

New England Division

1997

Issued April 2000

EC97TCF-DIV(1)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

This report was prepared in the Service Sector Statistics Division under the direction of **Thomas E. Zabelsky**, Assistant Chief for Current Service and Transportation Programs. Planning, implementation, and compiling of this report were under the supervision of **John L. Fowler**, Chief, Commodity Flow Survey Branch, assisted by **Wanda Dougherty, Debra Corbett, Bruce Dembroski, Shirley Gray, Michael Jones, Stephanie Kelley, Mabel Ocasio, Bonnie Opalko, Joyce Price, Barbara Selinske, Eli Serrano,** and **Michael Sprung**. Sample design and statistical methodology were developed under the general direction of **Howard Hogan** and **Carl A. Konschnik**, former Assistant Chiefs, and **Ruth E. Detlefsen**, current Assistant Chief, Research and Methodology. Sample design and estimation were under the supervision of **Patrick Cantwell**, former Chief, and **Jock Black**, current Chief, Program Research and Development Branch, assisted by **William C. Davie Jr., David L. Kinyon, Jacklyn R. Jonas,** and **M. Cristina Cruz**. Frame construction, sample control, imputation, and quality control procedures were developed under the supervision of **Carol King**, Chief, Statistical Methods Branch, assisted by **James Hunt**.

The processing system and computer programs were developed and implemented by the OAO programming group, led by **Jacques Wilmore** and assisted by **Harold N. Bobbitt** and **Robert J. Jeffrey**. **Steve G. McCraith**, Chief, Quinquennial Surveys Branch, Economic Statistical Methods and Programming Division and **Joseph F. Keehan** provided general support.

Coordination of data collection efforts was under the direction of **Judith N. Petty**, Chief, National Processing Center, assisted by **Matthew Aulbach, Linda Broadus, Grant Goodwin, Carlene Bottorff, Teresa Branstetter,** and **Jack Miller**.

The staff of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, performed planning, design, composition, editorial review, and printing planning and procurement for the publications, Internet products, and report forms. **Margaret A. Smith** provided publication coordination and editing.

We also acknowledge the contributions of the following Department of Transportation (DOT) representatives in the overall planning and design of the survey: **Rolf Schmitt**, Associate Director for Transportation Studies, Bureau of Transportation Statistics, assisted by **Susan Lapham, Russ Capelle, Ronald J. Duych,** and **Felix Ammah-Tagoe**.

The Oak Ridge National Laboratory's Center for Transportation Analysis, under the former and current direction of **Mike Bronzini** and **David Greene**, respectively, provided all mileage data for this report, using its transportation network modeling system, under the supervision of **Frank Southworth** and assisted by **Shih-Miao Chin, Bruce Peterson, Jane Rollow,** and **Angela Gibson**.

Special acknowledgment is also due to the many businesses whose cooperation was essential to the publication of these data.

1997 Economic Census
Transportation
1997 Commodity Flow Survey



**U.S. Department of
Transportation**
Rodney E. Slater,
Secretary
Mortimer L. Downey,
Deputy Secretary

**BUREAU OF TRANSPORTATION
STATISTICS**
Dr. Ashish Sen,
Director
Rick Kowalewski,
Deputy Director
Rolf R. Schmitt,
Associate Director for
Transportation Studies



U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

**Economics
and Statistics
Administration**
Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



**BUREAU OF TRANSPORTATION
STATISTICS**

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

CONTENTS

Introduction to the Economic Census	1
1997 Commodity Flow Survey	3

TABLES

1a. Shipment Characteristics by Mode of Transportation for the Division: 1997	9
1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993	9
1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993	10
2. Shipment Characteristics by Total Modal Activity for the Division: 1997	10
3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997	11
4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997	14
5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997	17
6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997	18
7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997	21
8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997	36
9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997	42
10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997 ...	48

APPENDIXES

A. Comparability With the 1993 Commodity Flow Survey	A-1
B. Reliability of the Estimates	B-1
C. Sample Design, Data Collection, and Estimation	C-1
D. Standard Classification of Transported Goods Code Information	D-1
E. Sample Report Forms and Instructions	E-1

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are

published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

1997 Commodity Flow Survey

GENERAL

The 1997 Commodity Flow Survey (CFS) is undertaken through a partnership between the Bureau of the Census, U.S. Department of Commerce, and the Bureau of Transportation Statistics, U.S. Department of Transportation. This survey produces data on the movement of goods in the United States. It provides information on commodities shipped, their value, weight, and mode of transportation, as well as the origin and destination of shipments of manufacturing, mining, wholesale, and selected retail establishments. The CFS was last conducted in 1993. See the Comparability With the 1993 Commodity Flow Survey table (Appendix A) for a comparison between the 1997 and 1993 surveys. The data from the CFS are used by public policy analysts and for transportation planning and decision-making to assess the demand for transportation facilities and services, energy use, and safety risk and environmental concerns.

This report presents data for the four Census Regions and nine Census Divisions. Additional reports include data for the United States, states, and selected metropolitan areas, as well as selected data on exports and hazardous material shipments.

INDUSTRY COVERAGE

The 1997 CFS covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey coverage excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail.

The industries covered, as defined in the 1987 Standard Industrial Classification Manual (SIC), are listed in the following table:

SIC code	Title
10, ex. 108	Metal mining (excluding metal mining services)
12, ex. 124	Coal mining (excluding coal mining services)
13	Oil and gas extraction ¹
14, ex. 148	Mining and quarrying of nonmetallic minerals, except fuels (excluding nonmetallic minerals services)
20	Food and kindred products
21	Tobacco products
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27, ex. 279	Printing, publishing, and allied industries (excluding service industries for the printing trade)
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastics products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, except machinery and transportation equipment
35	Industrial and commercial machinery and computer equipment
36	Electronic and other electrical equipment and components, except computer equipment
37	Transportation equipment
38	Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39	Miscellaneous manufacturing industries
50	Wholesale trade—durable goods
51	Wholesale trade—nondurable goods
596	Catalog and mail-order houses

¹We included establishments classified in SIC 13, Oil and Gas Extraction, in the initial coverage of the 1997 CFS. However, because of unresolved industry-wide reporting issues, we have removed shipments from these establishments from our 1997 CFS tabulations. The data collected from these establishments will be used as input to a special report at a later date.

Similarly, because establishments in SIC 13 are responsible for the overwhelming number of shipments classified in SCTG 16, Crude Petroleum, we have removed all shipments with SCTG 16 from the 1997 CFS publication results.

SHIPMENT COVERAGE

The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. The data do not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Shipments traversing the U.S. from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to a U.S. location. Imported products are included in the CFS at the point that they left the importer's domestic location for shipment to another location. Shipments that are shipped through a foreign territory with both the origin and destination in the U.S. are included in the CFS data. The mileages calculated for these shipments exclude the international segments (e.g., shipments from New York to Michigan through Canada do not include any mileages for Canada). Export shipments are included, with the domestic destination defined as the port of exit from the U.S.

The "Industry Coverage" section of the text lists the SIC groups covered by the CFS. Other industry areas that are not covered, but may have significant shipping activity, include agriculture, government, and retail (other than warehouses and SIC 5961, Catalog and Mail-Order Houses). For agriculture specifically, this means that the CFS did not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward.

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported

multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

The ORNL multimodal network database is composed of individual modal-specific networks representing each of the major transportation modes—highway, rail, waterway, air, and pipeline. The links of these specific modal networks are the representation of line-haul transportation facilities. The nodes represent intersections and interchanges, and the access points to the transportation network. To simulate local access, test links are created from each five-digit ZIP Code centroid to nearby nodes on the network. For the truck network, local access is assumed to exist everywhere. For the other modes this is not true. Before any test links are created for these modes, a search procedure is used to determine if and where such networks are most likely to provide access to the ZIP Code. For shipments involving more than one mode, such as truck-rail or rail-water shipments, intermodal transfer links are added to the network database for the purpose of connecting the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at ORNL to identify likely transfer points for different classes of freight. A measure of link impedance was calculated for each access, line-haul, and intermodal transfer link traversed by a shipment. These impedances were mode specific and are based on various link characteristics. For example, the set of link characteristics for the highway network included speed impacting factors, such as the presence of divided or undivided roadway, the degree of access control, rural or urban setting, type of pavement, number of lanes, degree of urban congestion, and length of the link. Link impedance measures are also assigned to the local access links. Intermodal transfer link impedances are estimated in terms of the time it takes to move goods through such a transfer. In the case of rail and air freight, intercarrier transfer penalties are also considered in order to obtain proper route selections. A minimum path algorithm is used to find the minimum impedance path between a shipment's origin ZIP Code centroid and destination ZIP Code centroid. The cumulative length of the local access plus line-haul links on this path provides the estimated shipment distance. When rail was involved these shipment distances may be averaged over more than one path between an origin-destination pair.

Mileage Data for Pipeline Shipments

In the tables, we do not show ton-miles or average miles per shipment for pipeline shipments. For most of these shipments, the respondents reported the shipment

destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network, and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment.

DISCLOSURE RULES

In accordance with Federal law governing Census Bureau reports, no data are published that would disclose the operations of an individual firm or establishment.

EXPLANATION OF TERMS

Average miles per shipment. For the 1993 CFS, we excluded shipments of STCC 27, Printed Matter, from our calculation of average miles per shipment. We made this decision after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term “shipment.”

For the 1997 CFS, we made numerous efforts throughout our data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, we have included printed products in the average miles per shipment calculations for the 1997 CFS.

Commodity. Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment’s operation. Respondents reported the description and the five-digit SCTG code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.

Distance shipped. In some tables, shipment data are presented for various “distance shipped” intervals. Shipments were categorized into these “distance shipped” intervals based on the great circle distance between their origin and destination ZIP Code centroids. All other distance-related data in this and other tables (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories. (See the “Mileage Calculations” section for more details.)

Great circle distance. The shortest distance between two points on the earth’s surface.

Mode of transportation. The type of transportation used for moving the shipment to its domestic destination. For exports, the domestic destination was the port of exit.

Mode Definitions

In the instructions to the respondent, we defined the possible modes as follows:

1. **Parcel delivery/courier/U.S. Postal Service.** Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
2. **Private truck.** Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
3. **For-hire truck.** Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
4. **Railroad.** Any common carrier or private railroad.
5. **Shallow draft vessels.** Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
6. **Deep draft vessel.** Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.
7. **Pipeline.** Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper’s establishment. Aqueducts for the movement of water are not included.
8. **Air.** Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.
9. **Other mode.** Any mode not listed above.
10. **Unknown.** The shipment was not carried by a parcel delivery/courier/U.S. Postal Service, and the respondent could not determine what mode of transportation was used.

In the tables, we have used additional terms for mode, which we define as follows:

1. **Air (includes truck and air).** Shipments that used air or a combination of truck and air.
2. **Single modes.** Shipments using only one of the above-listed modes, except parcel or other and unknown.
3. **Multiple modes.** Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used:
 - Private truck
 - For-hire truck
 - Rail
 - Shallow draft vessel
 - Deep draft vessel
 - Pipeline

We did not allow for multiple modes in combination with “parcel, U.S. Postal Service or courier,” “unknown,” or “other.” By their nature, these shipments may already include various kinds of multiple-mode activity. For example, if the respondent reported a shipment’s mode of transportation as parcel and air, we treated the shipment as parcel only.

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.
5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as “Other” or “Unknown.”
6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.
7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as “Other multiple modes.”
8. **Great Lakes.** In the tables in this publication, “Great Lakes” appears as a single mode. ORNL’s transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the “Mileage Calculations” section for more details).

Other Definitions and Terms

Shipment. A shipment (or delivery) is an individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.

Standard Classification of Transported Goods

(SCTG). The commodities shown in this report are classified using the SCTG coding system. The SCTG coding system was developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States

exclude any mileages through Canada (see the “Mileage Calculations” section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

Tons shipped. The total weight of the entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.

Total modal activity. The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)

Value of shipments. The dollar value of the entire shipment. This was defined as the net selling value, f.o.b. plant, exclusive of freight charges and excise taxes. The value data are displayed in millions of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables for this publication:

D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey.
lb	Pounds.
n.e.c.	Not elsewhere classified.
NA	Not applicable.
n.o.s.	Not otherwise specified.

OTHER TRANSPORTATION DATA

Users of transportation data may be especially interested in the following reports:

Economic Census: Transportation Sector covers establishments that provide passenger and freight transportation to the general public, government, or other businesses.

Published data include kind of business, geographic location, total operating revenue, annual and first quarter payroll, and number of employees for pay period including March 12.

Vehicle Inventory and Use Survey covers state and U.S. level statistics on the physical and operational characteristics of the Nation's truck, van, minivan, and sport utility vehicle population. Some of the types of data collected include number of vehicles, major use, body type, annual miles, model year, vehicle size, fuel type, operator classification, engine size, range of operation, weeks operated, products carried, and hazardous materials carried. This survey shows comparative statistics reflecting percent changes in number of vehicles between 1997 and 1992 for most characteristics.

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected

include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

All results of the 1997 Economic Census are available on the Census Bureau Internet site <http://www.census.gov> and on compact discs (CD-ROM).

For more information on any Census Bureau product, including a description of electronic and printed reports being issued, see the website or call Customer Services at 301-457-4100.

Table 1a. Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	308 275	100.0	256 341	100.0	44 473	100.0	515
Single modes	227 863	73.9	250 608	97.8	39 873	89.7	179
Truck ¹	202 615	65.7	239 078	93.3	31 407	70.6	129
For-hire truck	113 431	36.8	68 470	26.7	18 759	42.2	506
Private truck	87 809	28.5	164 896	64.3	12 284	27.6	44
Rail	3 252	1.1	7 601	3.0	7 594	17.1	1 127
Water	2 910	.9	S	S	S	S	S
Shallow draft	1	—	S	S	S	S	12
Great Lakes	—	—	—	—	—	—	—
Deep draft	2 908	.9	S	S	S	S	S
Air (includes truck and air)	18 527	6.0	277	.1	442	1.0	1 353
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	70 931	23.0	1 964	.8	2 412	5.4	866
Parcel, U.S. Postal Service or courier	69 736	22.6	1 387	.5	1 159	2.6	866
Truck and rail	980	.3	283	.1	603	1.4	1 872
Truck and water	214	—	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	152
Other and unknown modes	9 481	3.1	3 768	1.5	2 188	4.9	185

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	308 275	247 845	24.4	256 341	234 983	9.1	44 473	30 636	45.2	515	533	-3.4
Single modes	227 863	191 301	19.1	250 608	229 534	9.2	39 873	27 943	42.7	179	197	-9.1
Truck ¹	202 615	179 279	13.0	239 078	225 118	6.2	31 407	24 281	29.3	129	135	-4.6
For-hire truck	113 431	107 375	5.6	68 470	65 499	4.5	18 759	16 677	12.5	506	590	-14.2
Private truck	87 809	71 658	22.5	164 896	159 228	3.6	12 284	7 550	62.7	44	45	-2.8
Rail	3 252	2 154	51.0	7 601	4 052	87.6	7 594	3 416	122.3	1 127	982	14.8
Water	2 910	S	S	S	S	S	S	S	S	S	S	S
Shallow draft	1	S	S	S	S	S	S	S	S	12	3	261.6
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	2 908	S	S	S	S	S	S	S	S	S	2 864	S
Air (includes truck and air)	18 527	9 576	93.5	277	105	164.4	442	148	198.9	1 353	1 404	-3.7
Pipeline ²	S	S	S	S	S	S	S	S	S	S	S	S
Multiple modes	70 931	46 254	53.3	1 964	1 639	19.8	2 412	1 234	95.4	866	846	2.4
Parcel, U.S. Postal Service or courier	69 736	45 914	51.9	1 387	1 181	17.5	1 159	827	40.1	866	846	2.4
Truck and rail	980	277	254.2	283	440	-35.8	603	391	54.3	1 872	1 382	35.5
Truck and water	214	62	243.7	S	18	S	S	S	S	S	1 306	S
Rail and water	—	—	—	—	—	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S	S	S	152	2 224	-93.2
Other and unknown modes	9 481	10 290	-7.9	3 768	3 810	-1.1	2 188	1 459	50.0	185	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	73.9	77.2	97.8	97.7	89.7	91.2
Truck ¹	65.7	72.3	93.3	95.8	70.6	79.3
For-hire truck	36.8	43.3	26.7	27.9	42.2	54.4
Private truck	28.5	28.9	64.3	67.8	27.6	24.6
Rail	1.1	.9	3.0	1.7	17.1	11.2
Water	.9	S	S	S	S	S
Shallow draft	—	S	S	S	S	S
Great Lakes	—	—	—	—	—	—
Deep draft	.9	S	S	S	S	S
Air (includes truck and air)	6.0	3.9	.1	—	1.0	.5
Pipeline ²	S	S	S	S	S	S
Multiple modes	23.0	18.7	.8	.7	5.4	4.0
Parcel, U.S. Postal Service or courier	22.6	18.5	.5	.5	2.6	2.7
Truck and rail	.3	.1	.1	.2	1.4	1.3
Truck and water	—	—	S	—	S	S
Rail and water	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S
Other and unknown modes	3.1	4.2	1.5	1.6	4.9	4.8

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 2. Shipment Characteristics by Total Modal Activity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	44 473	100.0	505
Truck	31 446	70.7	127
Rail	8 182	18.4	1 274
Shallow draft	S	S	79
Great Lakes	—	—	—
Deep draft	S	S	2 493
Air	S	S	1 270
Parcel, U.S. Postal Service or courier	1 159	2.6	866
Pipeline	S	S	S
Other and unknown modes	2 188	4.9	185

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹Data represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving by truck only plus ton-miles for truck segments only of multiple mode shipments.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	308 275	100.0	256 341	100.0	44 473	100.0
Less than 50 miles	97 125	31.5	165 519	64.6	3 249	7.3
50 to 99 miles	33 142	10.8	32 630	12.7	3 011	6.8
100 to 249 miles	45 380	14.7	28 501	11.1	6 060	13.6
250 to 499 miles	25 555	8.3	9 654	3.8	4 710	10.6
500 to 749 miles	20 274	6.6	4 437	1.7	3 416	7.7
750 to 999 miles	25 412	8.2	8 024	3.1	8 773	19.7
1,000 to 1,499 miles	23 307	7.6	3 810	1.5	5 368	12.1
1,500 to 1,999 miles	11 247	3.6	1 492	.6	3 094	7.0
2,000 miles or more	26 834	8.7	2 274	.9	6 792	15.3
Single modes	227 863	100.0	250 608	100.0	39 873	100.0
Less than 50 miles	80 986	35.5	163 862	65.4	3 204	8.0
50 to 99 miles	27 168	11.9	32 083	12.8	2 960	7.4
100 to 249 miles	33 799	14.8	27 619	11.0	5 870	14.7
250 to 499 miles	18 900	8.3	9 408	3.8	4 603	11.5
500 to 749 miles	14 193	6.2	4 113	1.6	3 170	7.9
750 to 999 miles	17 741	7.8	7 374	2.9	7 772	19.5
1,000 to 1,499 miles	13 697	6.0	3 143	1.3	4 446	11.2
1,500 to 1,999 miles	7 156	3.1	1 247	.5	2 642	6.6
2,000 miles or more	14 223	6.2	1 758	.7	5 205	13.1
Truck¹	202 615	100.0	239 078	100.0	31 407	100.0
Less than 50 miles	77 868	38.4	162 474	68.0	3 191	10.2
50 to 99 miles	25 971	12.8	30 507	12.8	2 810	8.9
100 to 249 miles	31 429	15.5	25 409	10.6	5 345	17.0
250 to 499 miles	16 906	8.3	8 759	3.7	4 219	13.4
500 to 749 miles	12 245	6.0	3 430	1.4	2 550	8.1
750 to 999 miles	14 169	7.0	3 571	1.5	3 549	11.3
1,000 to 1,499 miles	10 460	5.2	2 327	1.0	3 156	10.0
1,500 to 1,999 miles	5 042	2.5	1 207	.5	2 556	8.1
2,000 miles or more	8 524	4.2	1 393	.6	4 031	12.8
For-hire truck	113 431	100.0	68 470	100.0	18 759	100.0
Less than 50 miles	17 630	15.5	35 216	51.4	681	3.6
50 to 99 miles	13 015	11.5	8 407	12.3	779	4.2
100 to 249 miles	23 204	20.5	9 769	14.3	2 038	10.9
250 to 499 miles	15 022	13.2	4 989	7.3	2 164	11.5
500 to 749 miles	10 662	9.4	2 977	4.3	2 212	11.8
750 to 999 miles	12 410	10.9	3 073	4.5	3 042	16.2
1,000 to 1,499 miles	9 464	8.3	2 093	3.1	2 832	15.1
1,500 to 1,999 miles	4 179	3.7	721	1.1	1 459	7.8
2,000 miles or more	7 844	6.9	1 226	1.8	3 552	18.9
Private truck	87 809	100.0	164 896	100.0	12 284	100.0
Less than 50 miles	59 581	67.9	122 252	74.1	2 396	19.5
50 to 99 miles	12 816	14.6	21 851	13.3	2 006	16.3
100 to 249 miles	8 007	9.1	15 465	9.4	3 271	26.6
250 to 499 miles	1 676	1.9	S	S	S	S
500 to 749 miles	1 520	1.7	364	.2	273	2.2
750 to 999 miles	1 730	2.0	482	.3	492	4.0
1,000 to 1,499 miles	961	1.1	223	.1	309	2.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	663	.8	159	.1	453	3.7
Rail	3 252	100.0	7 601	100.0	7 594	100.0
Less than 50 miles	S	S	S	S	5	—
50 to 99 miles	47	1.5	144	1.9	S	S
100 to 249 miles	214	6.6	S	S	S	S
250 to 499 miles	391	12.0	631	8.3	373	4.9
500 to 749 miles	275	8.5	451	5.9	415	5.5
750 to 999 miles	1 224	37.6	S	S	S	S
1,000 to 1,499 miles	700	21.5	789	10.4	1 252	16.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	324	10.0	254	3.3	878	11.6
Water	2 910	100.0	S	S	S	S
Less than 50 miles	2 861	98.3	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Shallow draft	1	100.0	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	2 908	100.0	S	S	S	S
Less than 50 miles	2 860	98.3	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Air (includes truck and air)	18 527	100.0	277	100.0	442	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	948	5.1	23	8.3	5	1.2
100 to 249 miles	1 990	10.7	35	12.7	10	2.2
250 to 499 miles	1 603	8.7	S	S	S	S
500 to 749 miles	1 645	8.9	19	6.9	19	4.3
750 to 999 miles	2 349	12.7	33	12.0	43	9.6
1,000 to 1,499 miles	2 537	13.7	27	9.7	39	8.7
1,500 to 1,999 miles	2 081	11.2	10	3.7	20	4.6
2,000 miles or more	5 375	29.0	S	S	S	S
Pipeline²	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	—	—	—	—	S	S
500 to 749 miles	—	—	—	—	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	—	—	—	—	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	70 931	100.0	1 964	100.0	2 412	100.0
Less than 50 miles	11 347	16.0	299	15.2	12	.5
50 to 99 miles	5 269	7.4	166	8.5	17	.7
100 to 249 miles	10 437	14.7	305	15.5	68	2.8
250 to 499 miles	6 081	8.6	134	6.8	58	2.4
500 to 749 miles	5 801	8.2	118	6.0	86	3.6
750 to 999 miles	7 367	10.4	S	S	S	S
1,000 to 1,499 miles	9 048	12.8	169	8.6	244	10.1
1,500 to 1,999 miles	3 492	4.9	106	5.4	193	8.0
2,000 miles or more	12 090	17.0	323	16.5	1 038	43.0
Parcel, U.S. Postal Service or courier	69 736	100.0	1 387	100.0	1 159	100.0
Less than 50 miles	11 310	16.2	243	17.5	8	.7
50 to 99 miles	5 258	7.5	152	10.9	14	1.2
100 to 249 miles	10 298	14.8	244	17.6	50	4.3
250 to 499 miles	6 081	8.7	134	9.7	58	5.0
500 to 749 miles	5 779	8.3	118	8.5	85	7.4
750 to 999 miles	7 206	10.3	124	9.0	129	11.1
1,000 to 1,499 miles	9 013	12.9	146	10.5	206	17.8
1,500 to 1,999 miles	3 447	4.9	67	4.8	131	11.3
2,000 miles or more	11 346	16.3	160	11.5	477	41.1
Truck and rail	980	100.0	283	100.0	603	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	13	1.3	S	S	S	S
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	25	9.0	29	4.8
1,000 to 1,499 miles	32	3.2	S	S	S	S
1,500 to 1,999 miles	45	4.6	S	S	S	S
2,000 miles or more	722	73.7	152	53.7	478	79.1
Truck and water	214	100.0	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	125	58.6	54	18.2	16	2.4
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	21	10.0	12	4.1	84	12.9

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other and unknown modes	9 481	100.0	3 768	100.0	2 188	100.0
Less than 50 miles	4 792	50.5	1 358	36.0	32	1.5
50 to 99 miles	704	7.4	381	10.1	35	1.6
100 to 249 miles	1 143	12.1	577	15.3	122	5.6
250 to 499 miles	574	6.1	111	2.9	48	2.2
500 to 749 miles	281	3.0	205	5.4	161	7.3
750 to 999 miles	304	3.2	307	8.1	304	13.9
1,000 to 1,499 miles	562	5.9	498	13.2	677	30.9
1,500 to 1,999 miles	599	6.3	138	3.7	259	11.8
2,000 miles or more	522	5.5	193	5.1	550	25.1

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	308 275	100.0	256 341	100.0	44 473	100.0	515
Less than 50 lb	70 922	23.0	1 182	.5	566	1.3	604
50 to 99 lb	20 108	6.5	703	.3	242	.5	349
100 to 499 lb	58 234	18.9	4 048	1.6	1 061	2.4	271
500 to 749 lb	15 422	5.0	1 881	.7	423	1.0	224
750 to 999 lb	8 870	2.9	1 588	.6	386	.9	235
1,000 to 9,999 lb	63 333	20.5	21 844	8.5	4 987	11.2	225
10,000 to 49,999 lb	53 828	17.5	104 107	40.6	16 965	38.1	170
50,000 to 99,999 lb	7 148	2.3	77 417	30.2	5 268	11.8	65
100,000 lb or more	10 410	3.4	43 572	17.0	14 575	32.8	333
Single modes	227 863	100.0	250 608	100.0	39 873	100.0	179
Less than 50 lb	23 195	10.2	549	.2	88	.2	177
50 to 99 lb	10 844	4.8	463	.2	70	.2	151
100 to 499 lb	44 108	19.4	3 525	1.4	701	1.8	189
500 to 749 lb	13 160	5.8	1 769	.7	361	.9	205
750 to 999 lb	8 081	3.5	1 495	.6	267	.7	177
1,000 to 9,999 lb	59 605	26.2	21 036	8.4	4 498	11.3	212
10,000 to 49,999 lb	51 792	22.7	102 257	40.8	15 621	39.2	158
50,000 to 99,999 lb	6 966	3.1	76 854	30.7	4 854	12.2	60
100,000 lb or more	10 112	4.4	42 661	17.0	13 413	33.6	323
Truck¹	202 615	100.0	239 078	100.0	31 407	100.0	129
Less than 50 lb	16 733	8.3	524	.2	54	.2	93
50 to 99 lb	8 575	4.2	454	.2	57	.2	123
100 to 499 lb	38 519	19.0	3 480	1.5	648	2.1	175
500 to 749 lb	11 668	5.8	1 752	.7	341	1.1	195
750 to 999 lb	6 827	3.4	1 484	.6	259	.8	173
1,000 to 9,999 lb	58 163	28.7	20 906	8.7	4 233	13.5	203
10,000 to 49,999 lb	51 187	25.3	102 036	42.7	15 228	48.5	154
50,000 to 99,999 lb	6 846	3.4	76 648	32.1	4 723	15.0	58
100,000 lb or more	4 097	2.0	31 792	13.3	5 864	18.7	182
For-hire truck	113 431	100.0	68 470	100.0	18 759	100.0	506
Less than 50 lb	7 128	6.3	78	.1	39	.2	452
50 to 99 lb	4 639	4.1	88	.1	40	.2	467
100 to 499 lb	22 166	19.5	764	1.1	486	2.6	622
500 to 749 lb	6 197	5.5	363	.5	244	1.3	671
750 to 999 lb	3 472	3.1	297	.4	183	1.0	613
1,000 to 9,999 lb	32 047	28.3	5 157	7.5	3 080	16.4	634
10,000 to 49,999 lb	33 449	29.5	35 672	52.1	11 241	59.9	334
50,000 to 99,999 lb	1 937	1.7	22 113	32.3	1 290	6.9	59
100,000 lb or more	2 396	2.1	3 937	5.7	2 155	11.5	472
Private truck	87 809	100.0	164 896	100.0	12 284	100.0	44
Less than 50 lb	9 599	10.9	446	.3	15	.1	31
50 to 99 lb	3 929	4.5	365	.2	16	.1	44
100 to 499 lb	16 257	18.5	2 699	1.6	159	1.3	56
500 to 749 lb	5 391	6.1	1 376	.8	95	.8	69
750 to 999 lb	3 308	3.8	1 176	.7	73	.6	62
1,000 to 9,999 lb	25 523	29.1	15 608	9.5	1 132	9.2	73
10,000 to 49,999 lb	17 322	19.7	65 263	39.6	3 760	30.6	60
50,000 to 99,999 lb	4 806	5.5	54 129	32.8	3 418	27.8	59
100,000 lb or more	1 674	1.9	23 833	14.5	3 615	29.4	145
Rail	3 252	100.0	7 601	100.0	7 594	100.0	1 127
Less than 50 lb	S	S	—	—	S	S	1 493
50 to 99 lb	S	S	S	S	S	S	878
100 to 499 lb	S	S	S	S	S	S	2 174
500 to 749 lb	S	S	S	S	S	S	1 086
750 to 999 lb	S	S	S	S	S	S	1 295
1,000 to 9,999 lb	S	S	S	S	S	S	1 410
10,000 to 49,999 lb	559	17.2	207	2.7	377	5.0	1 851
50,000 to 99,999 lb	119	3.6	188	2.5	118	1.5	639
100,000 lb or more	2 556	78.6	7 204	94.8	7 098	93.5	973
Water	2 910	100.0	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	18
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	58
500 to 749 lb	S	S	S	S	S	S	41
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	57
10,000 to 49,999 lb	S	S	S	S	S	S	218
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	2 891	99.3	S	S	S	S	85
Shallow draft	1	100.0	S	S	S	S	12
Less than 50 lb	S	S	S	S	S	S	9
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	67
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	28
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	2 908	100.0	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	108
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	58
500 to 749 lb	S	S	S	S	S	S	38
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	86
10,000 to 49,999 lb	S	S	S	S	S	S	218
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	2 891	99.4	S	S	S	S	85
Air (includes truck and air)	18 527	100.0	277	100.0	442	100.0	1 353
Less than 50 lb	6 459	34.9	25	8.9	34	7.7	1 346
50 to 99 lb	2 269	12.2	9	3.3	13	3.0	1 465
100 to 499 lb	5 588	30.2	45	16.2	53	12.1	1 329
500 to 749 lb	1 488	8.0	16	5.8	20	4.6	1 264
750 to 999 lb	1 252	6.8	11	4.0	8	1.8	699
1,000 to 9,999 lb	1 430	7.7	S	S	S	S	1 895
10,000 to 49,999 lb	30	.2	13	4.6	16	3.7	1 302
50,000 to 99,999 lb	S	S	17	6.1	S	S	727
100,000 lb or more	S	S	S	S	S	S	1 638
Pipeline²	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	S	S	S
100 to 499 lb	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	—	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S
Multiple modes	70 931	100.0	1 964	100.0	2 412	100.0	866
Less than 50 lb	45 459	64.1	570	29.0	471	19.5	870
50 to 99 lb	8 709	12.3	214	10.9	171	7.1	803
100 to 499 lb	13 124	18.5	435	22.1	350	14.5	811
500 to 749 lb	1 695	2.4	85	4.3	57	2.4	649
750 to 999 lb	706	1.0	82	4.2	S	S	1 318
1,000 to 9,999 lb	S	S	17	.9	S	S	1 816
10,000 to 49,999 lb	693	1.0	261	13.3	528	21.9	1 961
50,000 to 99,999 lb	99	.1	61	3.1	S	S	828
100,000 lb or more	103	.1	S	S	S	S	2 125
Parcel, U.S. Postal Service or courier	69 736	100.0	1 387	100.0	1 159	100.0	866
Less than 50 lb	45 459	65.2	570	41.1	471	40.7	870
50 to 99 lb	8 708	12.5	214	15.4	170	14.7	803
100 to 499 lb	13 097	18.8	433	31.2	348	30.0	812
500 to 749 lb	1 694	2.4	85	6.1	56	4.8	641
750 to 999 lb	706	1.0	82	5.9	S	S	1 322
1,000 to 9,999 lb	72	.1	S	S	S	S	249
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	980	100.0	283	100.0	603	100.0	1 872
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	2 935
100 to 499 lb	S	S	S	S	S	S	1 191
500 to 749 lb	S	S	S	S	S	S	597
750 to 999 lb	S	S	S	S	S	S	110
1,000 to 9,999 lb	S	S	6	2.0	8	1.4	1 849
10,000 to 49,999 lb	S	S	204	72.2	452	74.9	2 193
50,000 to 99,999 lb	39	3.9	41	14.4	S	S	1 109
100,000 lb or more	49	5.0	32	11.3	88	14.6	2 886
Truck and water	214	100.0	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	7 831
50 to 99 lb	S	S	S	S	S	S	80
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	8 191
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	4 358
10,000 to 49,999 lb	69	32.3	57	19.3	76	11.8	1 274
50,000 to 99,999 lb	60	28.1	20	6.9	6	.9	280
100,000 lb or more	S	S	S	S	S	S	485

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	152
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	152
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Other and unknown modes	9 481	100.0	3 768	100.0	2 188	100.0	185
Less than 50 lb	2 268	23.9	64	1.7	7	.3	177
50 to 99 lb	554	5.8	26	.7	1	—	55
100 to 499 lb	1 003	10.6	88	2.3	10	.5	97
500 to 749 lb	S	S	27	.7	4	.2	S
750 to 999 lb	83	.9	11	.3	S	S	660
1,000 to 9,999 lb	3 384	35.7	791	21.0	456	20.9	538
10,000 to 49,999 lb	1 344	14.2	1 589	42.2	816	37.3	584
50,000 to 99,999 lb	83	.9	502	13.3	354	16.2	701
100,000 lb or more	195	2.1	671	17.8	S	S	578

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	308 275	100.0	256 341	100.0	44 473	100.0	515
01	Live animals and live fish	S	S	S	S	S	S	S
02	Cereal grains	S	S	15	—	9	—	414
03	Other agricultural products	2 286	.7	3 873	1.5	561	1.3	286
04	Animal feed and products of animal origin, n.e.c.	S	S	S	S	S	S	S
05	Meat, fish, seafood, and their preparations	5 756	1.9	1 767	.7	547	1.2	222
06	Milled grain products and preparations, and bakery products	4 573	1.5	2 754	1.1	603	1.4	120
07	Other prepared foodstuffs and fats and oils	10 187	3.3	9 726	3.8	2 052	4.6	208
08	Alcoholic beverages	4 233	1.4	3 137	1.2	212	.5	27
09	Tobacco products	2 186	.7	144	—	24	—	147
10	Monumental or building stone	139	—	465	.2	74	.2	289
11	Natural sands	138	—	17 274	6.7	684	1.5	S
12	Gravel and crushed stone	401	.1	45 544	17.8	1 108	2.5	19
13	Nonmetallic minerals n.e.c.	451	.1	4 174	1.6	597	1.3	177
14	Metallic ores and concentrates	S	S	50	—	S	S	308
15	Coal	S	S	S	S	S	S	40
17	Gasoline and aviation turbine fuel	4 202	1.4	14 626	5.7	470	1.1	30
18	Fuel oils	2 469	.8	13 222	5.2	872	2.0	27
19	Coal and petroleum products, n.e.c.	687	.2	12 292	4.8	168	.4	33
20	Basic chemicals	2 459	.8	1 846	.7	660	1.5	182
21	Pharmaceutical products	19 008	6.2	342	.1	128	.3	440
22	Fertilizers	S	S	S	S	S	S	160
23	Chemical products and preparations, n.e.c.	6 808	2.2	2 026	.8	984	2.2	248
24	Plastics and rubber	12 628	4.1	17 444	6.8	3 736	8.4	387
25	Logs and other wood in the rough	S	S	S	S	S	S	102
26	Wood products	5 188	1.7	15 573	6.1	2 456	5.5	274
27	Pulp, newsprint, paper, and paperboard	7 785	2.5	7 054	2.8	5 553	12.5	214
28	Paper or paperboard articles	6 689	2.2	2 764	1.1	1 108	2.5	345
29	Printed products	14 602	4.7	3 590	1.4	663	1.5	410
30	Textiles, leather, and articles of textiles or leather	15 209	4.9	1 088	.4	912	2.1	1 040
31	Nonmetallic mineral products	2 759	.9	20 754	8.1	1 649	3.7	648
32	Base metal in primary or semifinished forms and in finished basic shapes	10 864	3.5	9 903	3.9	6 458	14.5	280
33	Articles of base metal	9 482	3.1	2 337	.9	1 079	2.4	345
34	Machinery	19 078	6.2	880	.3	479	1.1	375
35	Electronic and other electrical equipment and components and office equipment	67 133	21.8	1 373	.5	978	2.2	678
36	Motorized and other vehicles (including parts)	7 551	2.4	1 019	.4	288	.6	134
37	Transportation equipment, n.e.c.	8 083	2.6	72	—	30	—	721
38	Precision instruments and apparatus	16 005	5.2	233	—	166	.4	817
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	3 142	1.0	483	.2	234	.5	640
40	Miscellaneous manufactured products	26 672	8.7	4 455	1.7	S	S	951
41	Waste and scrap	2 374	.8	8 592	3.4	2 852	6.4	205
43	Mixed freight	3 436	1.1	1 569	.6	126	.3	S
--	Commodity unknown	1 979	.6	912	.4	S	S	916

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	308 275	100.0	256 341	100.0	44 473	100.0	515
010	Live animals and live fish	S	S	S	S	S	S	S
021	Wheat	—	—	—	—	—	—	—
022	Corn, except sweet	S	S	S	S	S	S	22
029	Other cereal grains	S	S	14	—	9	—	452
031	Fresh or chilled potatoes (Irish potatoes), except sweet	195	—	228	—	S	S	S
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	832	.3	S	S	S	S	82
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	47
034	Soya beans	—	—	—	—	—	—	—
035	Oil seeds and nuts, except olives and soya beans	S	S	S	S	S	S	79
036	Bulbs, live plants, and seeds for sowing, n.e.c.	152	—	91	—	14	—	871
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	722	.2	S	S	272	.6	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	211	—	150	—	142	.3	776
042	Animal feed preparations	S	S	S	S	S	S	S
051	Meat including poultry, except preparations	2 793	.9	1 018	.4	90	.2	221
052	Fish, except live, and seafood, except preparations	2 950	1.0	746	.3	455	1.0	224
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	214
061	Wheat flour, groats, and meal	262	—	S	S	S	S	54
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	S	S	S	S	S	S	553
063	Food preparations of cereals, flour, starch, or milk	735	.2	441	.2	185	.4	110
064	Bakery products	3 331	1.1	1 732	.7	276	.6	82
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	2 444	.8	2 462	1.0	298	.7	60
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	1 814	.6	1 442	.6	685	1.5	213
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	S	S	90	—	S	S	120
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	S	S	S	S	S	S	129
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	80	—	S	S	S	S	484
076	Confectionery, cocoa, and cocoa preparations	968	.3	242	—	164	.4	442
077	Edible preparations, n.e.c. and vinegar	1 476	.5	630	.2	339	.8	811
078	Nonalcoholic beverages, n.e.c. and ice	2 478	.8	4 362	1.7	358	.8	94
081	Malt Beer	2 671	.9	2 752	1.1	183	.4	24
082	Wine and other fermented beverages	711	.2	218	—	12	—	30
083	Spirituos beverages and ethyl alcohol	852	.3	167	—	S	S	S
090	Tobacco products	2 186	.7	144	—	24	—	147
100	Monumental or building stone, except dolomite	139	—	465	.2	74	.2	289
110	Natural sands, except metal-bearing	138	—	17 274	6.7	684	1.5	S
120	Gravel and crushed stone, except dolomite and slate	401	.1	45 544	17.8	1 108	2.5	19
131	Salt	S	S	S	S	2	—	23
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	—	—	—	—	—	—	—
133	Dolomite	S	S	S	S	S	S	356
139	Other nonmetallic minerals	417	.1	3 679	1.4	427	1.0	199
141	Iron ores and concentrates	S	S	S	S	S	S	192
149	Other metallic ores and concentrates	S	S	S	S	S	S	314
151	Nonagglomerated bituminous coal	S	S	S	S	S	S	45
159	Other coal	S	S	S	S	S	S	14
171	Gasoline	3 918	1.3	13 452	5.2	459	1.0	30
172	Aviation turbine fuel (types A and B)	S	S	S	S	11	—	16
180	Fuel oils	2 469	.8	13 222	5.2	872	2.0	27
191	Lubricating oils and greases	170	—	137	—	12	—	62
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	86	—	311	.1	16	—	32
193	Gaseous hydrocarbons	S	S	S	S	3	—	S
199	Other products of petroleum refining, and coal products	340	.1	11 499	4.5	138	.3	13
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	53	—	241	—	52	.1	S
202	Inorganic chemicals, n.e.c.	655	.2	956	.4	158	.4	201
203	Cyclic hydrocarbons	27	—	S	S	3	—	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	169	—	75	—	69	.2	412
205	Organic chemicals, n.e.c.	1 554	.5	550	.2	379	.9	S
210	Pharmaceutical products	19 008	6.2	342	.1	128	.3	440
220	Fertilizers and fertilizer materials	S	S	S	S	S	S	160
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	1 470	.5	532	.2	156	.4	S
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	1 959	.6	682	.3	558	1.3	243
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	396	.1	182	—	95	.2	301
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	1 837	.6	95	—	32	—	451
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	142	—	S	S	5	—	164
239	Other chemical products and preparations	1 005	.3	497	.2	137	.3	181
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	1 918	.6	844	.3	352	.8	452
242	Manmade fibers and plastics basic shapes and articles	8 968	2.9	2 175	.8	1 366	3.1	445

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	1 742	.6	S	S	S	S	194
250	Logs and other wood in the rough	S	S	S	S	S	S	102
261	Wood chips or particles	147	—	S	S	308	.7	30
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	2 535	.8	3 209	1.3	1 297	2.9	376
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	667	.2	986	.4	451	1.0	S
264	Builders' joinery and carpentry of wood, except shingles and shakes	1 145	.4	192	—	35	—	112
269	Other wood products	694	.2	1 729	.7	365	.8	604
271	Pulp of fibrous cellulosic materials	S	S	981	.4	S	S	909
272	Newsprint in large rolls or sheets	19	—	21	—	S	S	309
273	Uncoated paper and paperboard in large rolls or sheets	2 850	.9	2 505	1.0	1 597	3.6	119
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	4 617	1.5	3 548	1.4	3 161	7.1	357
280	Paper or paperboard articles	6 689	2.2	2 764	1.1	1 108	2.5	345
291	Printed books, brochures, leaflets, and similar printed products	7 320	2.4	526	.2	259	.6	828
292	Newspapers, journals, and periodicals	3 361	1.1	2 168	.8	61	.1	S
293	Advertising material, commercial or trade catalogues, and similar printed products	1 797	.6	626	.2	188	.4	831
299	Other printed products	2 124	.7	270	.1	155	.3	418
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	2 023	.7	262	.1	211	.5	926
302	Textile clothing and accessories, and headgear, except safety	5 624	1.8	161	—	122	.3	997
303	Textiles and textile articles, n.e.c.	4 065	1.3	512	.2	419	.9	1 017
304	Footwear	2 431	.8	97	—	110	.2	1 336
305	Leather and articles, luggage of related materials, and dressed furskins and articles	1 066	.3	55	—	50	.1	1 065
311	Hydraulic cements	S	S	S	S	S	S	109
312	Ceramic products	661	.2	575	.2	112	.3	836
313	Glass and glass products	510	.2	290	.1	192	.4	982
319	Other nonmetallic mineral products	1 588	.5	19 885	7.8	1 345	3.0	109
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	995	.3	797	.3	353	.8	379
322	Flat-rolled products of iron or steel	1 840	.6	S	S	S	S	246
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	1 909	.6	2 285	.9	808	1.8	269
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	6 120	2.0	2 302	.9	1 884	4.2	294
331	Pipes, tubes, and fittings	1 298	.4	451	.2	S	S	238
332	Structures and parts, except prefabricated buildings	608	.2	242	—	90	.2	344
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	4 742	1.5	605	.2	248	.6	341
339	Other articles of metal	2 835	.9	1 039	.4	S	S	479
341	Internal-combustion piston engines	579	.2	41	—	14	—	137
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	5 994	1.9	80	—	28	—	483
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	1 843	.6	137	—	115	.3	416
344	Air-conditioning, refrigerating, or freezing equipment	268	—	38	—	S	S	450
345	Materials-handling, excavating, boring, and related machinery and equipment	572	.2	104	—	26	—	S
349	Other machinery	9 821	3.2	479	.2	281	.6	401
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	1 604	.5	68	—	52	.1	494
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	421	.1	30	—	12	—	394
353	Line telephone or telegraph apparatus	7 886	2.6	36	—	29	—	798
354	Electronic entertainment products, except parts	1 451	.5	48	—	49	.1	783
355	Computer and office equipment	18 602	6.0	121	—	85	.2	850
356	Prepared unrecorded or prerecorded media	3 083	1.0	30	—	S	S	1 131
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	2 320	.8	16	—	15	—	1 009
358	Electronic components and parts	15 747	5.1	100	—	55	.1	707
359	Other electronic and electrical equipment	16 019	5.2	924	.4	655	1.5	497
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	429	.1	91	—	S	S	36
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	164	—	S	S	3	—	S
363	Other vehicles	581	.2	59	—	19	—	379
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	6 377	2.1	831	.3	262	.6	119
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	S	S	S	S	S	S	484
372	Aircraft and spacecraft	4 846	1.6	22	—	16	—	716
373	Ships, boats, and floating structures	3 167	1.0	44	—	12	—	997
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	1 098	.4	7	—	9	—	1 174
382	Photographic and photocopying machines	817	.3	23	—	6	—	549
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	816	.3	53	—	42	—	955
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	8 090	2.6	96	—	56	.1	611
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	5 184	1.7	53	—	54	.1	924

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	3 142	1.0	483	.2	234	.5	640
401	Arms and ammunition	851	.3	S	S	22	—	1 087
402	Toys, games, and sporting equipment	3 818	1.2	254	.1	281	.6	1 212
409	Miscellaneous manufactured products	22 004	7.1	4 154	1.6	S	S	914
411	Metallic waste and scrap	2 150	.7	4 279	1.7	1 915	4.3	185
412	Nonmetallic waste and scrap, except from food processing	S	S	S	S	S	S	226
439	Mixed freight	3 436	1.1	1 569	.6	126	.3	S
—	Commodity unknown	1 979	.6	912	.4	S	S	916

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 160, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	308 275	100.0	256 341	100.0	44 473	100.0	515
Single modes	227 863	73.9	250 608	97.8	39 873	89.7	179
Truck ¹	202 615	65.7	239 078	93.3	31 407	70.6	129
For-hire truck	113 431	36.8	68 470	26.7	18 759	42.2	506
Private truck	87 809	28.5	164 896	64.3	12 284	27.6	44
Rail	3 252	1.1	7 601	3.0	7 594	17.1	1 127
Water	2 910	.9	S	S	S	S	S
Shallow draft	1	—	S	S	S	S	12
Great Lakes	—	—	—	—	—	—	—
Deep draft	2 908	.9	S	S	S	S	S
Air (includes truck and air)	18 527	6.0	277	.1	442	1.0	1 353
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	70 931	23.0	1 964	.8	2 412	5.4	866
Parcel, U.S. Postal Service or courier	69 736	22.6	1 387	.5	1 159	2.6	866
Truck and rail	980	.3	283	.1	603	1.4	1 872
Truck and water	214	—	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	152
Other and unknown modes	9 481	3.1	3 768	1.5	2 188	4.9	185
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	S	S	S	S	S	S	S
Single modes	S	S	S	S	S	S	S
Truck ¹	S	S	S	S	S	S	51
For-hire truck	S	S	S	S	S	S	130
Private truck	S	S	S	S	S	S	51
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 610
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	89
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	89
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	—	—	—	—	—	—	—
SCTG 02, CEREAL GRAINS							
Total	S	S	15	100.0	9	100.0	414
Single modes	S	S	14	93.2	9	99.9	551
Truck ¹	S	S	S	S	S	S	551
For-hire truck	—	—	—	—	—	—	—
Private truck	S	S	S	S	S	S	551
Rail	1	11.6	9	62.2	5	61.4	594
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	81
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	81
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	4

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	2 286	100.0	3 873	100.0	561	100.0	286
Single modes	2 225	97.4	3 869	99.9	559	99.7	S
Truck ¹	2 225	97.4	3 869	99.9	559	99.7	S
For-hire truck	614	26.8	1 745	45.1	434	77.4	281
Private truck	1 612	70.5	2 124	54.8	S	S	37
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 639
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	878
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	878
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	S	S	S	S	S	S	S
Single modes	S	S	S	S	S	S	S
Truck ¹	S	S	S	S	S	S	S
For-hire truck	37	5.9	132	6.4	22	7.9	S
Private truck	S	S	S	S	S	S	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	173	27.3	108	5.2	S	S	1 198
Parcel, U.S. Postal Service or courier	S	S	—	—	—	—	1 215
Truck and rail	86	13.6	73	3.6	S	S	1 192
Truck and water	86	13.6	34	1.7	10	3.5	280
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	6
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	5 756	100.0	1 767	100.0	547	100.0	222
Single modes	5 648	98.1	1 743	98.6	520	95.1	139
Truck ¹	5 577	96.9	1 733	98.0	509	93.0	126
For-hire truck	1 757	30.5	468	26.5	392	71.8	672
Private truck	3 350	58.2	1 143	64.7	102	18.7	60
Rail	S	S	S	S	S	S	3 307
Water	S	S	S	S	S	S	37
Shallow draft	S	S	S	S	S	S	1
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	54
Air (includes truck and air)	S	S	S	S	8	1.5	1 310
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 150
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 150
Truck and rail	S	S	S	S	S	S	3 328
Truck and water	S	S	S	S	S	S	282
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	59	1.0	16	.9	S	S	S

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	4 573	100.0	2 754	100.0	603	100.0	120
Single modes	4 501	98.4	2 727	99.0	563	93.3	83
Truck ¹	4 499	98.4	2 726	99.0	560	92.9	83
For-hire truck	1 398	30.6	897	32.6	398	66.1	254
Private truck	3 090	67.6	1 823	66.2	161	26.7	58
Rail	S	S	S	S	S	S	3 760
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	535
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	699
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	620
Truck and rail	S	S	S	S	S	S	3 262
Truck and water	S	S	S	S	S	S	7 892
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	119
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	10 187	100.0	9 726	100.0	2 052	100.0	208
Single modes	9 522	93.5	9 449	97.1	1 866	90.9	106
Truck ¹	9 501	93.3	9 434	97.0	1 842	89.8	104
For-hire truck	2 615	25.7	2 146	22.1	1 148	55.9	865
Private truck	6 609	64.9	7 253	74.6	665	32.4	72
Rail	17	.2	14	.1	23	1.1	1 263
Water	S	S	S	S	S	S	297
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	297
Air (includes truck and air)	S	S	S	S	S	S	1 963
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	728
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	725
Truck and rail	S	S	S	S	S	S	1 902
Truck and water	S	S	S	S	S	S	8 191
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	4 233	100.0	3 137	100.0	212	100.0	27
Single modes	4 197	99.1	3 133	99.9	209	98.6	26
Truck ¹	4 197	99.1	3 133	99.9	209	98.6	26
For-hire truck	411	9.7	561	17.9	129	60.9	98
Private truck	3 786	89.4	2 572	82.0	80	37.6	25
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	251
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	24
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	271
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	2 186	100.0	144	100.0	24	100.0	147
Single modes	2 100	96.1	139	96.5	21	88.0	S
Truck ¹	2 099	96.1	139	96.4	21	86.7	60
For-hire truck	115	5.3	7	5.1	11	47.2	1 122
Private truck	1 984	90.8	131	91.4	9	39.4	40
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	4 712
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 343
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 343
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	30
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	139	100.0	465	100.0	74	100.0	289
Single modes	135	97.1	451	96.9	72	97.6	296
Truck ¹	135	97.1	451	96.9	72	97.6	296
For-hire truck	97	69.6	243	52.3	65	87.7	433
Private truck	34	24.8	S	S	5	6.7	38
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	18
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 11, NATURAL SANDS							
Total	138	100.0	17 274	100.0	684	100.0	S
Single modes	133	97.0	17 075	98.8	586	85.6	S
Truck ¹	133	96.9	17 064	98.8	565	82.6	S
For-hire truck	41	30.0	2 690	15.6	269	39.4	S
Private truck	80	58.2	12 461	72.1	S	S	21
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 485
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	136
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	136
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	4	3.0	199	1.2	98	14.4	614

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	401	100.0	45 544	100.0	1 108	100.0	19
Single modes	400	99.7	45 434	99.8	1 106	99.8	19
Truck ¹	364	90.7	44 139	96.9	830	74.9	17
For-hire truck	72	18.0	5 954	13.1	247	22.2	S
Private truck	276	68.8	35 675	78.3	521	47.0	14
Rail	S	S	S	S	S	S	400
Water	S	S	S	S	S	S	62
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	62
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	357
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	441
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	205
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	5
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	451	100.0	4 174	100.0	597	100.0	177
Single modes	420	93.0	3 941	94.4	566	94.8	174
Truck ¹	410	90.8	3 726	89.3	440	73.7	172
For-hire truck	315	69.8	1 777	42.6	409	68.6	459
Private truck	95	21.0	S	S	30	5.1	43
Rail	10	2.2	215	5.1	126	21.1	591
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	378
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	378
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	179
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	S	S	50	100.0	S	S	308
Single modes	S	S	46	92.4	S	S	297
Truck ¹	S	S	46	92.2	S	S	297
For-hire truck	S	S	S	S	S	S	323
Private truck	S	S	S	S	S	S	294
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	403
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	345
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	345
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	183

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	\$	\$	\$	\$	\$	\$	40
Single modes	\$	\$	\$	\$	\$	\$	43
Truck ¹	\$	\$	\$	\$	\$	\$	43
For-hire truck	\$	\$	\$	\$	\$	\$	43
Private truck							
Rail	-	-	-	-	-	-	-
Water	-	-	-	-	-	-	-
Shallow draft	-	-	-	-	-	-	-
Great Lakes	-	-	-	-	-	-	-
Deep draft	-	-	-	-	-	-	-
Air (includes truck and air)	-	-	-	-	-	-	-
Pipeline ²	-	-	-	-	\$	\$	\$
Multiple modes	-	-	-	-	-	-	-
Parcel, U.S. Postal Service or courier	-	-	-	-	-	-	-
Truck and rail	-	-	-	-	-	-	-
Truck and water	-	-	-	-	-	-	-
Rail and water	-	-	-	-	-	-	-
Other multiple modes	-	-	-	-	-	-	-
Other and unknown modes	\$	\$	\$	\$	\$	\$	2
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	4 202	100.0	14 626	100.0	470	100.0	30
Single modes	4 199	99.9	14 613	99.9	469	99.8	30
Truck ¹	3 803	90.5	12 945	88.5	389	82.6	30
For-hire truck	489	11.6	1 846	12.6	37	7.8	\$
Private truck	3 226	76.8	10 787	73.8	339	72.1	32
Rail	-	-	-	-	-	-	-
Water	-	-	-	-	-	-	-
Shallow draft	-	-	-	-	-	-	-
Great Lakes	-	-	-	-	-	-	-
Deep draft	-	-	-	-	-	-	-
Air (includes truck and air)	-	-	-	-	-	-	-
Pipeline ²	\$	\$	\$	\$	\$	\$	\$
Multiple modes	-	-	-	-	-	-	-
Parcel, U.S. Postal Service or courier	-	-	-	-	-	-	-
Truck and rail	-	-	-	-	-	-	-
Truck and water	-	-	-	-	-	-	-
Rail and water	-	-	-	-	-	-	-
Other multiple modes	-	-	-	-	-	-	-
Other and unknown modes	\$	\$	\$	\$	\$	\$	27
SCTG 18, FUEL OILS							
Total	2 469	100.0	13 222	100.0	872	100.0	27
Single modes	2 469	100.0	13 222	100.0	872	100.0	27
Truck ¹	2 295	93.0	12 105	91.6	742	85.1	27
For-hire truck	403	16.3	2 108	15.9	52	6.0	21
Private truck	1 879	76.1	9 926	75.1	\$	\$	27
Rail	\$	\$	\$	\$	\$	\$	163
Water	-	-	-	-	-	-	-
Shallow draft	-	-	-	-	-	-	-
Great Lakes	-	-	-	-	-	-	-
Deep draft	-	-	-	-	-	-	-
Air (includes truck and air)	-	-	-	-	-	-	-
Pipeline ²	\$	\$	\$	\$	\$	\$	\$
Multiple modes	-	-	-	-	-	-	-
Parcel, U.S. Postal Service or courier	-	-	-	-	-	-	-
Truck and rail	-	-	-	-	-	-	-
Truck and water	-	-	-	-	-	-	-
Rail and water	-	-	-	-	-	-	-
Other multiple modes	-	-	-	-	-	-	-
Other and unknown modes	\$	\$	\$	\$	\$	\$	\$

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	687	100.0	12 292	100.0	168	100.0	33
Single modes	672	97.7	12 227	99.5	168	99.6	28
Truck ¹	672	97.7	12 227	99.5	168	99.6	27
For-hire truck	163	23.7	4 993	40.6	44	26.2	S
Private truck	509	74.0	7 234	58.9	124	73.4	25
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	995
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	—	.2	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	198
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 20, BASIC CHEMICALS							
Total	2 459	100.0	1 846	100.0	660	100.0	182
Single modes	2 195	89.3	1 815	98.3	642	97.3	S
Truck ¹	2 065	84.0	1 568	84.9	510	77.2	S
For-hire truck	1 365	55.5	677	36.7	424	64.3	482
Private truck	692	28.1	873	47.3	85	12.8	28
Rail	85	3.4	247	13.4	133	20.1	543
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 944
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	164	6.7	10	.5	S	S	846
Parcel, U.S. Postal Service or courier	146	5.9	4	.2	3	.5	847
Truck and rail	S	S	S	S	S	S	512
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	672
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	19 008	100.0	342	100.0	128	100.0	440
Single modes	11 448	60.2	251	73.5	78	61.0	397
Truck ¹	9 786	51.5	235	68.7	59	45.8	157
For-hire truck	7 216	38.0	166	48.6	53	41.3	S
Private truck	2 570	13.5	69	20.1	6	4.6	71
Rail	S	S	S	S	S	S	382
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	12	3.4	18	13.8	1 447
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	7 420	39.0	82	23.9	37	29.1	490
Parcel, U.S. Postal Service or courier	7 420	39.0	82	23.9	37	29.1	490
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	540

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	\$	\$	\$	\$	\$	\$	160
Single modes	\$	\$	\$	\$	\$	\$	106
Truck ¹	\$	\$	\$	\$	\$	\$	106
For-hire truck	\$	\$	8	.7	\$	\$	533
Private truck	\$	\$	\$	\$	\$	\$	87
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	\$	\$	\$
Multiple modes	\$	\$	\$	\$	\$	\$	575
Parcel, U.S. Postal Service or courier	\$	\$	\$	\$	\$	\$	575
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	\$	\$	\$	\$	\$	\$	6
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	6 808	100.0	2 026	100.0	984	100.0	248
Single modes	6 095	89.5	1 970	97.2	968	98.3	161
Truck ¹	5 725	84.1	1 832	90.4	710	72.2	153
For-hire truck	3 258	47.9	1 058	52.2	638	64.8	519
Private truck	2 457	36.1	769	38.0	72	7.3	40
Rail	304	4.5	133	6.5	\$	\$	1 981
Water	\$	\$	\$	\$	\$	\$	7
Shallow draft	\$	\$	\$	\$	\$	\$	7
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	\$	\$	5	.2	\$	\$	979
Pipeline ²	—	—	—	—	\$	\$	\$
Multiple modes	623	9.2	36	1.8	11	1.2	423
Parcel, U.S. Postal Service or courier	616	9.0	34	1.7	11	1.1	423
Truck and rail	\$	\$	\$	\$	\$	\$	305
Truck and water	\$	\$	\$	\$	\$	\$	105
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	90	1.3	20	1.0	5	.5	\$
SCTG 24, PLASTICS AND RUBBER							
Total	12 628	100.0	17 444	100.0	3 736	100.0	387
Single modes	10 323	81.7	17 116	98.1	3 535	94.6	200
Truck ¹	10 112	80.1	17 002	97.5	3 489	93.4	186
For-hire truck	6 249	49.5	1 932	11.1	1 429	38.3	619
Private truck	3 849	30.5	15 068	86.4	\$	\$	67
Rail	\$	\$	\$	\$	\$	\$	1 220
Water	\$	\$	\$	\$	\$	\$	67
Shallow draft	\$	\$	\$	\$	\$	\$	67
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	136	1.1	5	—	5	.1	1 228
Pipeline ²	—	—	—	—	\$	\$	\$
Multiple modes	1 779	14.1	154	.9	155	4.1	638
Parcel, U.S. Postal Service or courier	1 708	13.5	118	.7	76	2.0	638
Truck and rail	\$	\$	\$	\$	\$	\$	1 906
Truck and water	\$	\$	\$	\$	\$	\$	8 083
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	526	4.2	174	1.0	46	1.2	95

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	\$	\$	\$	\$	\$	\$	102
Single modes	\$	\$	\$	\$	\$	\$	102
Truck ¹	\$	\$	\$	\$	\$	\$	102
For-hire truck	\$	\$	\$	\$	\$	\$	\$
Private truck	216	35.8	\$	\$	\$	\$	187
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	\$	\$	\$
Multiple modes	\$	\$	\$	\$	\$	\$	232
Parcel, U.S. Postal Service or courier	\$	\$	\$	\$	\$	\$	232
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	\$	\$	\$	\$	\$	\$	43
SCTG 26, WOOD PRODUCTS							
Total	5 188	100.0	15 573	100.0	2 456	100.0	274
Single modes	5 015	96.7	15 468	99.3	2 357	96.0	118
Truck ¹	4 816	92.8	15 071	96.8	1 884	76.7	113
For-hire truck	1 711	33.0	\$	\$	1 252	51.0	275
Private truck	3 071	59.2	6 655	42.7	586	23.9	63
Rail	192	3.7	397	2.6	472	19.2	1 198
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	\$	\$	\$	\$	\$	\$	1 717
Pipeline ²	—	—	—	—	\$	\$	\$
Multiple modes	114	2.2	39	.3	85	3.5	972
Parcel, U.S. Postal Service or courier	87	1.7	9	—	8	.3	970
Truck and rail	21	.4	27	.2	77	3.1	2 938
Truck and water	\$	\$	\$	\$	\$	\$	168
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	59	1.1	65	.4	13	.5	438
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	7 785	100.0	7 054	100.0	5 553	100.0	214
Single modes	7 582	97.4	6 936	98.3	5 397	97.2	184
Truck ¹	6 191	79.5	5 208	73.8	2 993	53.9	169
For-hire truck	4 802	61.7	3 854	54.6	2 823	50.8	593
Private truck	1 388	17.8	1 354	19.2	170	3.1	45
Rail	1 383	17.8	1 727	24.5	2 403	43.3	1 410
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	\$	\$	\$	\$	\$	\$	967
Pipeline ²	—	—	—	—	\$	\$	\$
Multiple modes	109	1.4	52	.7	\$	\$	514
Parcel, U.S. Postal Service or courier	65	.8	8	.1	6	.1	494
Truck and rail	44	.6	44	.6	\$	\$	2 639
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	95	1.2	67	.9	\$	\$	266

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	6 689	100.0	2 764	100.0	1 108	100.0	345
Single modes	6 094	91.1	2 637	95.4	1 039	93.8	166
Truck ¹	5 901	88.2	2 559	92.6	834	75.3	132
For-hire truck	3 326	49.7	1 379	49.9	725	65.4	639
Private truck	2 552	38.1	1 169	42.3	109	9.9	43
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 651
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	448	6.7	61	2.2	55	4.9	811
Parcel, U.S. Postal Service or courier	406	6.1	48	1.7	29	2.6	810
Truck and rail	S	S	S	S	S	S	2 675
Truck and water	S	S	S	S	S	S	400
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	146	2.2	66	2.4	14	1.3	S
SCTG 29, PRINTED PRODUCTS							
Total	14 602	100.0	3 590	100.0	663	100.0	410
Single modes	8 685	59.5	3 337	93.0	486	73.3	S
Truck ¹	8 484	58.1	3 331	92.8	478	72.2	S
For-hire truck	3 841	26.3	1 266	35.3	416	62.8	234
Private truck	4 636	31.7	2 065	57.5	62	9.3	11
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	108
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	108
Air (includes truck and air)	S	S	6	.2	7	1.1	1 273
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	4 722	32.3	181	5.0	154	23.2	783
Parcel, U.S. Postal Service or courier	4 720	32.3	181	5.0	153	23.1	783
Truck and rail	S	S	S	S	S	S	3 368
Truck and water	S	S	S	S	S	S	8 047
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	71	2.0	S	S	S
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	15 209	100.0	1 088	100.0	912	100.0	1 040
Single modes	9 991	65.7	909	83.5	692	75.8	981
Truck ¹	9 803	64.5	903	83.0	683	74.9	912
For-hire truck	7 651	50.3	624	57.3	533	58.4	1 062
Private truck	2 100	13.8	270	24.8	136	14.9	569
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	189	1.2	5	.5	9	.9	1 310
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	4 953	32.6	153	14.0	208	22.8	1 060
Parcel, U.S. Postal Service or courier	4 888	32.1	126	11.6	138	15.1	1 060
Truck and rail	S	S	S	S	S	S	2 723
Truck and water	20	.1	23	2.1	S	S	3 204
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	264	1.7	27	2.5	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	2 759	100.0	20 754	100.0	1 649	100.0	648
Single modes	2 065	74.8	20 134	97.0	1 130	68.5	100
Truck ¹	1 958	71.0	19 567	94.3	898	54.4	92
For-hire truck	677	24.6	3 457	16.7	436	26.4	371
Private truck	1 281	46.4	16 110	77.6	462	28.0	34
Rail	S	S	S	S	S	S	600
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	16	—	S	S	454
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	348	12.6	26	.1	24	1.4	1 167
Parcel, U.S. Postal Service or courier	330	12.0	18	—	17	1.0	1 167
Truck and rail	S	S	S	S	S	S	3 196
Truck and water	S	S	S	S	S	S	49
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	594	2.9	S	S	507
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	10 864	100.0	9 903	100.0	6 458	100.0	280
Single modes	9 765	89.9	8 988	90.8	S	S	163
Truck ¹	8 945	82.3	5 865	59.2	2 292	35.5	154
For-hire truck	5 273	48.5	2 796	28.2	1 868	28.9	573
Private truck	3 595	33.1	2 847	28.7	322	5.0	56
Rail	S	S	S	S	S	S	1 357
Water	S	S	S	S	S	S	100
Shallow draft	S	S	S	S	S	S	100
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	106	1.0	16	.2	10	.2	1 257
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	756	7.0	78	.8	S	S	629
Parcel, U.S. Postal Service or courier	718	6.6	73	.7	S	S	629
Truck and rail	S	S	S	S	S	S	2 849
Truck and water	S	S	S	S	S	S	2 877
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	343	3.2	837	8.5	669	10.4	272
SCTG 33, ARTICLES OF BASE METAL							
Total	9 482	100.0	2 337	100.0	1 079	100.0	345
Single modes	6 123	64.6	2 067	88.5	908	84.2	201
Truck ¹	6 030	63.6	2 059	88.1	889	82.4	180
For-hire truck	3 339	35.2	981	42.0	776	71.9	691
Private truck	2 666	28.1	1 021	43.7	95	8.8	55
Rail	S	S	S	S	S	S	343
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	94	1.0	8	.3	19	1.7	1 278
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 654	28.0	97	4.2	66	6.1	517
Parcel, U.S. Postal Service or courier	2 654	28.0	97	4.1	66	6.1	517
Truck and rail	S	S	S	S	S	S	450
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	705	7.4	172	7.4	105	9.8	59

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	19 078	100.0	880	100.0	479	100.0	375
Single modes	14 019	73.5	763	86.7	421	87.8	218
Truck ¹	12 264	64.3	750	85.2	408	85.1	159
For-hire truck	9 070	47.5	526	59.7	370	77.2	608
Private truck	3 194	16.7	224	25.5	38	7.9	46
Rail	S	S	S	S	S	S	745
Water	S	S	S	S	S	S	116
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	116
Air (includes truck and air)	1 615	8.5	12	1.3	12	2.5	1 339
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	4 358	22.8	65	7.4	40	8.3	513
Parcel, U.S. Postal Service or courier	4 358	22.8	65	7.4	40	8.3	513
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	701	3.7	51	5.8	19	3.9	S
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	67 133	100.0	1 373	100.0	978	100.0	678
Single modes	42 268	63.0	1 150	83.8	788	80.5	351
Truck ¹	32 300	48.1	1 089	79.3	713	72.9	199
For-hire truck	21 429	31.9	574	41.8	500	51.1	774
Private truck	10 697	15.9	484	35.2	201	20.6	49
Rail	S	S	S	S	S	S	2 326
Water	S	S	S	S	S	S	25
Shallow draft	S	S	S	S	S	S	25
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	9 927	14.8	59	4.3	65	6.7	1 426
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	22 495	33.5	143	10.4	125	12.8	957
Parcel, U.S. Postal Service or courier	22 289	33.2	142	10.3	123	12.5	957
Truck and rail	S	S	S	S	S	S	2 374
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	152
Other and unknown modes	2 369	3.5	79	5.8	S	S	144
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	7 551	100.0	1 019	100.0	288	100.0	134
Single modes	6 072	80.4	881	86.5	256	89.0	S
Truck ¹	6 021	79.7	878	86.2	253	88.0	S
For-hire truck	3 762	49.8	362	35.6	206	71.7	664
Private truck	2 238	29.6	511	50.2	46	16.0	S
Rail	S	S	S	S	S	S	1 230
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	49	.7	2	.2	3	.9	1 044
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	925	12.3	46	4.5	28	9.7	488
Parcel, U.S. Postal Service or courier	925	12.3	46	4.5	28	9.7	488
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	553	7.3	92	9.1	4	1.3	23

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	8 083	100.0	72	100.0	30	100.0	721
Single modes	6 965	86.2	69	96.1	28	93.4	572
Truck ¹	3 526	43.6	36	49.9	25	85.7	431
For-hire truck	2 236	27.7	30	40.9	23	76.4	842
Private truck	1 290	16.0	6	8.9	3	9.3	144
Rail	S	S	S	S	S	S	422
Water	2 857	35.4	30	41.8	—	.3	3
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	2 857	35.4	30	41.8	—	.3	3
Air (includes truck and air)	581	7.2	2	2.4	2	5.3	960
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 079	13.4	2	3.4	2	6.2	990
Parcel, U.S. Postal Service or courier	1 079	13.4	2	3.4	2	6.2	990
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	38	.5	S	S	S	S	909
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	16 005	100.0	233	100.0	166	100.0	817
Single modes	8 713	54.4	182	78.3	127	76.7	652
Truck ¹	6 619	41.4	176	75.6	118	71.0	417
For-hire truck	5 170	32.3	138	59.2	111	67.1	725
Private truck	1 449	9.1	38	16.4	6	3.9	120
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	86
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	86
Air (includes truck and air)	2 092	13.1	6	2.7	9	5.7	1 359
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	6 939	43.4	45	19.5	33	19.9	850
Parcel, U.S. Postal Service or courier	6 939	43.4	45	19.5	33	19.9	850
Truck and rail	S	S	S	S	S	S	1 660
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	352	2.2	5	2.2	6	3.3	520
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	3 142	100.0	483	100.0	234	100.0	640
Single modes	2 934	93.4	455	94.2	210	90.1	364
Truck ¹	2 867	91.2	452	93.4	209	89.6	351
For-hire truck	1 643	52.3	276	57.1	186	79.4	683
Private truck	1 224	39.0	175	36.3	24	10.2	91
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 009
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	162	5.2	22	4.6	22	9.4	1 180
Parcel, U.S. Postal Service or courier	149	4.7	11	2.3	13	5.5	1 182
Truck and rail	S	S	S	S	S	S	3 071
Truck and water	S	S	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	46	1.5	6	1.2	1	.6	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	26 672	100.0	4 455	100.0	S	S	951
Single modes	16 670	62.5	4 178	93.8	S	S	472
Truck ¹	15 174	56.9	4 040	90.7	S	S	404
For-hire truck	10 283	38.6	974	21.9	840	32.6	925
Private truck	4 884	18.3	S	S	S	S	99
Rail	S	S	S	S	S	S	869
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 333	5.0	12	.3	15	.6	1 304
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	9 241	34.6	208	4.7	228	8.8	1 079
Parcel, U.S. Postal Service or courier	8 904	33.4	201	4.5	210	8.2	1 079
Truck and rail	S	S	S	S	S	S	2 591
Truck and water	S	S	S	S	S	S	7 935
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	762	2.9	69	1.5	57	2.2	370
SCTG 41, WASTE AND SCRAP							
Total	2 374	100.0	8 592	100.0	2 852	100.0	205
Single modes	2 201	92.7	8 165	95.0	2 209	77.4	197
Truck ¹	2 135	90.0	7 679	89.4	1 836	64.4	193
For-hire truck	1 475	62.2	2 370	27.6	973	34.1	353
Private truck	660	27.8	S	S	S	S	138
Rail	39	1.7	273	3.2	187	6.6	669
Water	S	S	S	S	S	S	868
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	868
Air (includes truck and air)	S	S	S	S	S	S	1 004
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	318
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	316
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	2 782
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	312
SCTG 43, MIXED FREIGHT							
Total	3 436	100.0	1 569	100.0	126	100.0	S
Single modes	3 269	95.1	1 544	98.4	123	97.7	S
Truck ¹	3 264	95.0	1 544	98.4	123	97.4	S
For-hire truck	112	3.3	S	S	6	4.6	575
Private truck	3 152	91.7	1 518	96.8	117	92.9	55
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	5	.1	—	—	—	.2	1 861
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	119	3.5	9	.6	1	.7	S
Parcel, U.S. Postal Service or courier	117	3.4	9	.5	1	.6	S
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	118
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	48	1.4	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	1 979	100.0	912	100.0	S	S	916
Single modes	1 306	66.0	656	72.0	184	37.0	S
Truck ¹	1 286	65.0	646	70.9	171	34.5	S
For-hire truck	612	30.9	176	19.3	S	S	727
Private truck	S	S	443	48.6	38	7.7	S
Rail	S	S	S	S	S	S	1 272
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	—	—	—	—	1 488
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	511	25.8	8	.8	9	1.8	1 415
Parcel, U.S. Postal Service or courier	493	24.9	7	.8	8	1.7	1 415
Truck and rail	S	S	S	S	S	S	1 068
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	1 339

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	308 275	256 341	44 473
Less than 50 miles	97 125	165 519	3 249
50 to 99 miles	33 142	32 630	3 011
100 to 249 miles	45 380	28 501	6 060
250 to 499 miles	25 555	9 654	4 710
500 to 749 miles	20 274	4 437	3 416
750 to 999 miles	25 412	8 024	8 773
1,000 to 1,499 miles	23 307	3 810	5 368
1,500 to 1,999 miles	11 247	1 492	3 094
2,000 miles or more	26 834	2 274	6 792
SCTG 01, Live animals and live fish	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	S	15	9
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	—	—	—
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 03, Other agricultural products	2 286	3 873	561
Less than 50 miles	1 480	1 719	49
50 to 99 miles	215	S	S
100 to 249 miles	413	990	230
250 to 499 miles	S	S	S
500 to 749 miles	6	3	2
750 to 999 miles	S	S	4
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	2	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	136	180	38
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	9	19
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	5 756	1 767	547
Less than 50 miles	2 702	906	27
50 to 99 miles	722	244	23
100 to 249 miles	697	178	35
250 to 499 miles	724	184	79
500 to 749 miles	164	41	31
750 to 999 miles	341	91	95
1,000 to 1,499 miles	224	65	91
1,500 to 1,999 miles	51	15	29
2,000 miles or more	131	45	137
SCTG 06, Milled grain products and preparations, and bakery products	4 573	2 754	603
Less than 50 miles	2 025	1 275	43
50 to 99 miles	845	530	51
100 to 249 miles	1 021	525	97
250 to 499 miles	280	180	73
500 to 749 miles	113	79	61
750 to 999 miles	93	43	42
1,000 to 1,499 miles	112	74	99
1,500 to 1,999 miles	S	S	S
2,000 miles or more	60	26	89
SCTG 07, Other prepared foodstuffs and fats and oils	10 187	9 726	2 052
Less than 50 miles	3 922	4 843	126
50 to 99 miles	1 622	1 621	155
100 to 249 miles	2 304	1 770	378
250 to 499 miles	716	568	247
500 to 749 miles	302	255	190
750 to 999 miles	418	220	210
1,000 to 1,499 miles	561	297	389
1,500 to 1,999 miles	S	57	93
2,000 miles or more	213	94	265

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	4 233	3 137	212
Less than 50 miles	3 633	2 563	57
50 to 99 miles	278	288	28
100 to 249 miles	133	173	36
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 09, Tobacco products	2 186	144	24
Less than 50 miles	1 502	77	2
50 to 99 miles	398	38	4
100 to 249 miles	S	20	4
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	26	3	4
1,500 to 1,999 miles	16	S	S
2,000 miles or more	61	2	7
SCTG 10, Monumental or building stone	139	465	74
Less than 50 miles	50	262	5
50 to 99 miles	23	71	8
100 to 249 miles	45	90	16
250 to 499 miles	12	10	5
500 to 749 miles	2	S	S
750 to 999 miles	4	9	9
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 11, Natural sands	138	17 274	684
Less than 50 miles	98	14 768	238
50 to 99 miles	15	S	S
100 to 249 miles	15	809	150
250 to 499 miles	5	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	18	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	401	45 544	1 108
Less than 50 miles	332	43 998	655
50 to 99 miles	15	S	S
100 to 249 miles	S	250	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	451	4 174	597
Less than 50 miles	100	S	34
50 to 99 miles	66	526	47
100 to 249 miles	154	1 000	212
250 to 499 miles	44	237	113
500 to 749 miles	12	24	18
750 to 999 miles	32	55	58
1,000 to 1,499 miles	10	39	62
1,500 to 1,999 miles	12	11	23
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	S	50	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 15, Coal	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	—	—	—
100 to 249 miles	—	—	—
250 to 499 miles	—	—	—
500 to 749 miles	—	—	—
750 to 999 miles	—	—	—
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	4 202	14 626	470
Less than 50 miles	3 474	11 965	245
50 to 99 miles	666	2 563	209
100 to 249 miles	62	97	16
250 to 499 miles	—	—	—
500 to 749 miles	—	—	—
750 to 999 miles	—	—	—
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	2 469	13 222	872
Less than 50 miles	1 585	7 896	139
50 to 99 miles	597	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	—	—	—
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	687	12 292	168
Less than 50 miles	553	11 972	125
50 to 99 miles	91	233	21
100 to 249 miles	31	64	12
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	1	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	2 459	1 846	660
Less than 50 miles	762	606	21
50 to 99 miles	316	367	33
100 to 249 miles	463	384	85
250 to 499 miles	157	191	96
500 to 749 miles	172	81	60
750 to 999 miles	194	69	72
1,000 to 1,499 miles	143	S	S
1,500 to 1,999 miles	98	28	57
2,000 miles or more	154	34	101
SCTG 21, Pharmaceutical products	19 008	342	128
Less than 50 miles	3 581	75	3
50 to 99 miles	3 739	S	S
100 to 249 miles	S	S	22
250 to 499 miles	988	15	6
500 to 749 miles	903	15	12
750 to 999 miles	851	6	6
1,000 to 1,499 miles	S	16	23
1,500 to 1,999 miles	S	8	14
2,000 miles or more	S	12	33
SCTG 22, Fertilizers	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	6 808	2 026	984
Less than 50 miles	2 403	612	18
50 to 99 miles	871	342	27
100 to 249 miles	838	367	75
250 to 499 miles	620	153	64
500 to 749 miles	481	129	105
750 to 999 miles	883	253	257
1,000 to 1,499 miles	280	44	61
1,500 to 1,999 miles	49	9	18
2,000 miles or more	381	118	359
SCTG 24, Plastics and rubber	12 628	17 444	3 736
Less than 50 miles	3 559	S	S
50 to 99 miles	1 468	4 313	360
100 to 249 miles	2 261	S	S
250 to 499 miles	958	274	119
500 to 749 miles	1 155	282	211
750 to 999 miles	1 168	320	334
1,000 to 1,499 miles	722	147	207
1,500 to 1,999 miles	388	70	138
2,000 miles or more	949	210	617

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	\$	\$	\$
Less than 50 miles	\$	\$	219
50 to 99 miles	\$	\$	\$
100 to 249 miles	\$	\$	\$
250 to 499 miles	\$	\$	\$
500 to 749 miles	—	—	—
750 to 999 miles	\$	\$	\$
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 26, Wood products	5 188	15 573	2 456
Less than 50 miles	2 000	10 392	241
50 to 99 miles	933	2 171	199
100 to 249 miles	857	1 229	247
250 to 499 miles	451	671	302
500 to 749 miles	211	404	315
750 to 999 miles	271	338	355
1,000 to 1,499 miles	211	180	267
1,500 to 1,999 miles	47	44	84
2,000 miles or more	206	145	446
SCTG 27, Pulp, newsprint, paper, and paperboard	7 785	7 054	5 553
Less than 50 miles	1 409	1 322	35
50 to 99 miles	500	385	38
100 to 249 miles	830	851	190
250 to 499 miles	1 003	919	467
500 to 749 miles	721	713	537
750 to 999 miles	1 413	1 236	1 342
1,000 to 1,499 miles	1 301	1 204	1 724
1,500 to 1,999 miles	208	134	276
2,000 miles or more	402	289	944
SCTG 28, Paper or paperboard articles	6 689	2 764	1 108
Less than 50 miles	2 001	971	29
50 to 99 miles	1 033	440	41
100 to 249 miles	1 412	547	115
250 to 499 miles	586	261	113
500 to 749 miles	543	168	125
750 to 999 miles	301	116	119
1,000 to 1,499 miles	342	105	149
1,500 to 1,999 miles	75	22	42
2,000 miles or more	\$	\$	\$
SCTG 29, Printed products	14 602	3 590	663
Less than 50 miles	6 533	2 320	39
50 to 99 miles	858	312	27
100 to 249 miles	2 922	514	107
250 to 499 miles	1 000	127	51
500 to 749 miles	614	87	64
750 to 999 miles	744	81	84
1,000 to 1,499 miles	737	73	101
1,500 to 1,999 miles	254	29	55
2,000 miles or more	941	46	136
SCTG 30, Textiles, leather, and articles of textiles or leather	15 209	1 088	912
Less than 50 miles	1 486	137	4
50 to 99 miles	1 255	120	11
100 to 249 miles	2 607	234	53
250 to 499 miles	1 779	88	40
500 to 749 miles	1 396	109	80
750 to 999 miles	2 010	112	110
1,000 to 1,499 miles	2 336	144	204
1,500 to 1,999 miles	784	48	94
2,000 miles or more	1 555	98	317
SCTG 31, Nonmetallic mineral products	2 759	20 754	1 649
Less than 50 miles	1 194	15 954	303
50 to 99 miles	492	2 459	214
100 to 249 miles	382	\$	\$
250 to 499 miles	130	172	75
500 to 749 miles	116	\$	\$
750 to 999 miles	134	130	127
1,000 to 1,499 miles	115	\$	\$
1,500 to 1,999 miles	85	18	38
2,000 miles or more	112	\$	\$
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	10 864	9 903	6 458
Less than 50 miles	2 962	2 367	53
50 to 99 miles	1 130	827	79
100 to 249 miles	1 226	893	182
250 to 499 miles	1 393	948	419
500 to 749 miles	1 073	704	562
750 to 999 miles	1 505	\$	\$
1,000 to 1,499 miles	540	216	317
1,500 to 1,999 miles	158	\$	\$
2,000 miles or more	878	344	983

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	9 482	2 337	1 079
Less than 50 miles	3 574	865	26
50 to 99 miles	825	440	42
100 to 249 miles	1 290	310	60
250 to 499 miles	545	105	44
500 to 749 miles	1 007	205	147
750 to 999 miles	997	151	152
1,000 to 1,499 miles	577	76	105
1,500 to 1,999 miles	221	42	83
2,000 miles or more	445	S	S
SCTG 34, Machinery	19 078	880	479
Less than 50 miles	4 413	278	8
50 to 99 miles	2 400	76	7
100 to 249 miles	2 580	128	28
250 to 499 miles	1 816	106	46
500 to 749 miles	1 343	85	60
750 to 999 miles	2 459	102	104
1,000 to 1,499 miles	1 622	42	62
1,500 to 1,999 miles	514	23	45
2,000 miles or more	1 930	41	120
SCTG 35, Electronic and other electrical equipment and components and office equipment	67 133	1 373	978
Less than 50 miles	17 851	386	11
50 to 99 miles	4 229	104	10
100 to 249 miles	8 788	218	48
250 to 499 miles	6 137	134	56
500 to 749 miles	4 679	114	87
750 to 999 miles	6 072	112	117
1,000 to 1,499 miles	6 155	92	130
1,500 to 1,999 miles	3 865	105	203
2,000 miles or more	9 357	109	317
SCTG 36, Motorized and other vehicles (including parts)	7 551	1 019	288
Less than 50 miles	2 778	564	11
50 to 99 miles	S	170	16
100 to 249 miles	644	61	12
250 to 499 miles	275	23	10
500 to 749 miles	701	78	57
750 to 999 miles	563	58	59
1,000 to 1,499 miles	519	36	48
1,500 to 1,999 miles	106	11	21
2,000 miles or more	203	19	54
SCTG 37, Transportation equipment, n.e.c.	8 083	72	30
Less than 50 miles	4 945	39	—
50 to 99 miles	856	S	S
100 to 249 miles	473	8	2
250 to 499 miles	87	4	2
500 to 749 miles	354	2	1
750 to 999 miles	116	4	4
1,000 to 1,499 miles	424	5	7
1,500 to 1,999 miles	52	S	S
2,000 miles or more	775	3	10
SCTG 38, Precision instruments and apparatus	16 005	233	166
Less than 50 miles	2 971	49	1
50 to 99 miles	1 160	23	2
100 to 249 miles	1 983	28	6
250 to 499 miles	1 619	13	5
500 to 749 miles	1 642	65	50
750 to 999 miles	1 326	12	12
1,000 to 1,499 miles	1 901	15	21
1,500 to 1,999 miles	1 346	14	28
2,000 miles or more	2 058	14	40
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	3 142	483	234
Less than 50 miles	1 023	139	4
50 to 99 miles	426	60	6
100 to 249 miles	514	121	26
250 to 499 miles	255	42	19
500 to 749 miles	120	25	19
750 to 999 miles	357	38	40
1,000 to 1,499 miles	231	28	39
1,500 to 1,999 miles	79	9	18
2,000 miles or more	136	20	63
SCTG 40, Miscellaneous manufactured products	26 672	4 455	S
Less than 50 miles	6 341	S	S
50 to 99 miles	1 799	407	39
100 to 249 miles	4 017	664	126
250 to 499 miles	3 177	186	78
500 to 749 miles	1 989	139	102
750 to 999 miles	2 532	181	190
1,000 to 1,499 miles	2 099	131	190
1,500 to 1,999 miles	1 260	S	S
2,000 miles or more	3 459	159	460

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	2 374	8 592	2 852
Less than 50 miles	349	2 596	86
50 to 99 miles	160	922	86
100 to 249 miles	586	S	S
250 to 499 miles	312	596	280
500 to 749 miles	S	S	S
750 to 999 miles	403	519	S
1,000 to 1,499 miles	95	109	154
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	3 436	1 569	126
Less than 50 miles	2 028	894	32
50 to 99 miles	782	396	37
100 to 249 miles	503	259	47
250 to 499 miles	89	17	6
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	4	S	S
Commodity unknown	1 979	912	S
Less than 50 miles	680	318	S
50 to 99 miles	205	101	9
100 to 249 miles	278	S	S
250 to 499 miles	112	33	14
500 to 749 miles	106	S	S
750 to 999 miles	154	S	S
1,000 to 1,499 miles	191	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	151	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	308 275	256 341	44 473
Less than 50 lb	70 922	1 182	566
50 to 99 lb	20 108	703	242
100 to 499 lb	58 234	4 048	1 061
500 to 749 lb	15 422	1 881	423
750 to 999 lb	8 870	1 588	386
1,000 to 9,999 lb	63 333	21 844	4 987
10,000 to 49,999 lb	53 828	104 107	16 965
50,000 to 99,999 lb	7 148	77 417	5 268
100,000 lb or more	10 410	43 572	14 575
SCTG 01, Live animals and live fish	S	S	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	—	—	—
750 to 999 lb	—	—	—
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	S	15	9
Less than 50 lb	—	—	—
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	—	—	—
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	1	9	5
SCTG 03, Other agricultural products	2 286	3 873	561
Less than 50 lb	100	7	S
50 to 99 lb	50	9	—
100 to 499 lb	162	65	2
500 to 749 lb	55	45	2
750 to 999 lb	72	41	1
1,000 to 9,999 lb	730	518	23
10,000 to 49,999 lb	500	S	S
50,000 to 99,999 lb	253	S	S
100,000 lb or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	S	S	S
Less than 50 lb	S	—	—
50 to 99 lb	1	—	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	122	144	S
100,000 lb or more	60	43	S
SCTG 05, Meat, fish, seafood, and their preparations	5 756	1 767	547
Less than 50 lb	109	11	S
50 to 99 lb	172	21	2
100 to 499 lb	992	196	23
500 to 749 lb	416	99	12
750 to 999 lb	290	79	11
1,000 to 9,999 lb	2 681	859	250
10,000 to 49,999 lb	930	421	241
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	4 573	2 754	603
Less than 50 lb	S	5	S
50 to 99 lb	45	17	1
100 to 499 lb	473	178	12
500 to 749 lb	198	92	10
750 to 999 lb	181	96	10
1,000 to 9,999 lb	1 969	1 156	220
10,000 to 49,999 lb	1 642	1 198	341
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	8	S
SCTG 07, Other prepared foodstuffs and fats and oils	10 187	9 726	2 052
Less than 50 lb	312	32	9
50 to 99 lb	222	32	5
100 to 499 lb	922	390	55
500 to 749 lb	497	281	41
750 to 999 lb	315	209	17
1,000 to 9,999 lb	3 020	1 980	328
10,000 to 49,999 lb	4 663	6 391	1 558
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	4 233	3 137	212
Less than 50 lb	S	10	—
50 to 99 lb	93	20	1
100 to 499 lb	909	391	10
500 to 749 lb	301	203	5
750 to 999 lb	296	195	4
1,000 to 9,999 lb	1 854	1 503	34
10,000 to 49,999 lb	692	807	158
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 09, Tobacco products	2 186	144	24
Less than 50 lb	193	4	1
50 to 99 lb	254	8	1
100 to 499 lb	806	36	4
500 to 749 lb	275	16	1
750 to 999 lb	104	7	S
1,000 to 9,999 lb	408	43	11
10,000 to 49,999 lb	135	S	5
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	139	465	74
Less than 50 lb	—	S	S
50 to 99 lb	—	S	S
100 to 499 lb	3	1	—
500 to 749 lb	3	2	—
750 to 999 lb	2	1	1
1,000 to 9,999 lb	28	33	6
10,000 to 49,999 lb	69	248	S
50,000 to 99,999 lb	13	67	8
100,000 lb or more	S	S	S
SCTG 11, Natural sands	138	17 274	684
Less than 50 lb	—	—	—
50 to 99 lb	S	S	S
100 to 499 lb	3	1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	8	335	S
10,000 to 49,999 lb	49	5 058	228
50,000 to 99,999 lb	59	8 872	322
100,000 lb or more	S	S	122
SCTG 12, Gravel and crushed stone	401	45 544	1 108
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	7	537	7
10,000 to 49,999 lb	193	20 173	420
50,000 to 99,999 lb	129	17 497	265
100,000 lb or more	72	7 333	417
SCTG 13, Nonmetallic minerals n.e.c.	451	4 174	597
Less than 50 lb	S	S	S
50 to 99 lb	—	S	S
100 to 499 lb	S	7	S
500 to 749 lb	8	5	1
750 to 999 lb	S	S	S
1,000 to 9,999 lb	75	117	14
10,000 to 49,999 lb	303	2 806	399
50,000 to 99,999 lb	13	S	29
100,000 lb or more	14	387	148
SCTG 14, Metallic ores and concentrates	S	50	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 15, Coal	S	S	S
Less than 50 lb	—	—	—
50 to 99 lb	—	—	—
100 to 499 lb	—	—	—
500 to 749 lb	—	—	—
750 to 999 lb	—	—	—
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	—	—	—
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	4 202	14 626	470
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	189	231	9
10,000 to 49,999 lb	717	2 609	77
50,000 to 99,999 lb	2 491	8 694	266
100,000 lb or more	796	3 085	S
SCTG 18, Fuel oils	2 469	13 222	872
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	5	23	—
500 to 749 lb	S	S	S
750 to 999 lb	23	78	1
1,000 to 9,999 lb	312	919	20
10,000 to 49,999 lb	836	4 465	S
50,000 to 99,999 lb	1 098	6 594	490
100,000 lb or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	687	12 292	168
Less than 50 lb	9	2	S
50 to 99 lb	7	4	—
100 to 499 lb	38	23	2
500 to 749 lb	9	11	1
750 to 999 lb	19	24	1
1,000 to 9,999 lb	175	450	16
10,000 to 49,999 lb	267	7 447	95
50,000 to 99,999 lb	160	3 651	52
100,000 lb or more	S	S	S
SCTG 20, Basic chemicals	2 459	1 846	660
Less than 50 lb	264	S	2
50 to 99 lb	44	S	1
100 to 499 lb	174	39	5
500 to 749 lb	82	21	5
750 to 999 lb	33	13	2
1,000 to 9,999 lb	808	377	78
10,000 to 49,999 lb	959	1 001	419
50,000 to 99,999 lb	10	122	12
100,000 lb or more	85	254	136
SCTG 21, Pharmaceutical products	19 008	342	128
Less than 50 lb	8 687	79	34
50 to 99 lb	S	S	S
100 to 499 lb	5 823	104	31
500 to 749 lb	850	21	8
750 to 999 lb	S	S	S
1,000 to 9,999 lb	1 044	42	27
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	S	S	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	3	2	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	34	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	6 808	2 026	984
Less than 50 lb	632	27	5
50 to 99 lb	211	20	3
100 to 499 lb	730	103	29
500 to 749 lb	211	51	S
750 to 999 lb	210	46	19
1,000 to 9,999 lb	1 379	426	144
10,000 to 49,999 lb	3 375	1 313	754
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 24, Plastics and rubber	12 628	17 444	3 736
Less than 50 lb	1 244	57	20
50 to 99 lb	545	52	21
100 to 499 lb	1 805	278	86
500 to 749 lb	606	110	38
750 to 999 lb	496	87	29
1,000 to 9,999 lb	4 646	1 274	543
10,000 to 49,999 lb	3 027	1 441	1 051
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	S	S	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	72	5
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 26, Wood products	5 188	15 573	2 456
Less than 50 lb	132	11	3
50 to 99 lb	122	15	3
100 to 499 lb	431	88	13
500 to 749 lb	190	51	11
750 to 999 lb	164	50	7
1,000 to 9,999 lb	1 652	1 099	121
10,000 to 49,999 lb	1 932	S	1 285
50,000 to 99,999 lb	360	5 554	432
100,000 lb or more	204	771	580
SCTG 27, Pulp, newsprint, paper, and paperboard	7 785	7 054	5 553
Less than 50 lb	52	6	1
50 to 99 lb	42	11	1
100 to 499 lb	302	96	14
500 to 749 lb	115	40	5
750 to 999 lb	112	51	S
1,000 to 9,999 lb	1 182	683	193
10,000 to 49,999 lb	4 492	4 031	2 948
50,000 to 99,999 lb	142	169	81
100,000 lb or more	1 345	1 968	2 298
SCTG 28, Paper or paperboard articles	6 689	2 764	1 108
Less than 50 lb	390	29	10
50 to 99 lb	225	38	6
100 to 499 lb	800	197	36
500 to 749 lb	220	78	13
750 to 999 lb	162	54	9
1,000 to 9,999 lb	1 723	877	S
10,000 to 49,999 lb	3 167	1 490	626
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	14 602	3 590	663
Less than 50 lb	4 381	276	99
50 to 99 lb	855	91	24
100 to 499 lb	2 544	406	69
500 to 749 lb	896	95	23
750 to 999 lb	242	53	6
1,000 to 9,999 lb	3 578	1 289	143
10,000 to 49,999 lb	1 966	1 262	281
50,000 to 99,999 lb	59	47	S
100,000 lb or more	79	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	15 209	1 088	912
Less than 50 lb	4 271	88	94
50 to 99 lb	779	27	26
100 to 499 lb	2 015	100	85
500 to 749 lb	849	48	35
750 to 999 lb	443	37	28
1,000 to 9,999 lb	3 906	398	295
10,000 to 49,999 lb	2 922	351	337
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	2 759	20 754	1 649
Less than 50 lb	508	17	16
50 to 99 lb	65	7	2
100 to 499 lb	140	37	8
500 to 749 lb	107	25	5
750 to 999 lb	48	15	3
1,000 to 9,999 lb	407	1 075	139
10,000 to 49,999 lb	993	13 780	870
50,000 to 99,999 lb	359	4 113	303
100,000 lb or more	131	1 684	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	10 864	9 903	6 458
Less than 50 lb	398	15	4
50 to 99 lb	292	16	3
100 to 499 lb	1 047	127	22
500 to 749 lb	411	65	10
750 to 999 lb	467	107	S
1,000 to 9,999 lb	2 391	1 215	376
10,000 to 49,999 lb	3 041	3 309	1 164
50,000 to 99,999 lb	182	673	S
100,000 lb or more	2 634	S	S

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	9 482	2 337	1 079
Less than 50 lb	2 095	62	25
50 to 99 lb	659	42	13
100 to 499 lb	1 858	179	77
500 to 749 lb	435	60	33
750 to 999 lb	367	52	25
1,000 to 9,999 lb	2 551	736	280
10,000 to 49,999 lb	1 493	900	276
50,000 to 99,999 lb	13	26	S
100,000 lb or more	S	S	S
SCTG 34, Machinery	19 078	880	479
Less than 50 lb	4 208	40	15
50 to 99 lb	1 465	22	10
100 to 499 lb	4 153	110	43
500 to 749 lb	880	34	20
750 to 999 lb	865	26	11
1,000 to 9,999 lb	3 907	295	158
10,000 to 49,999 lb	3 418	308	209
50,000 to 99,999 lb	S	S	S
100,000 lb or more	49	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	67 133	1 373	978
Less than 50 lb	22 380	107	65
50 to 99 lb	7 019	59	34
100 to 499 lb	18 419	253	149
500 to 749 lb	5 295	116	47
750 to 999 lb	1 900	48	27
1,000 to 9,999 lb	9 893	444	389
10,000 to 49,999 lb	2 196	329	254
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 36, Motorized and other vehicles (including parts)	7 551	1 019	288
Less than 50 lb	1 359	74	9
50 to 99 lb	416	34	10
100 to 499 lb	1 093	95	33
500 to 749 lb	430	39	14
750 to 999 lb	355	27	S
1,000 to 9,999 lb	2 331	336	107
10,000 to 49,999 lb	S	S	91
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	8 083	72	30
Less than 50 lb	2 641	5	4
50 to 99 lb	S	1	1
100 to 499 lb	1 240	9	7
500 to 749 lb	59	3	2
750 to 999 lb	S	2	2
1,000 to 9,999 lb	227	13	8
10,000 to 49,999 lb	125	8	5
50,000 to 99,999 lb	S	S	S
100,000 lb or more	2 857	30	—
SCTG 38, Precision instruments and apparatus	16 005	233	166
Less than 50 lb	7 123	34	24
50 to 99 lb	1 452	10	9
100 to 499 lb	3 754	46	26
500 to 749 lb	674	10	5
750 to 999 lb	373	7	3
1,000 to 9,999 lb	2 041	47	37
10,000 to 49,999 lb	588	78	62
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	3 142	483	234
Less than 50 lb	188	9	9
50 to 99 lb	116	8	3
100 to 499 lb	738	70	27
500 to 749 lb	216	30	11
750 to 999 lb	122	17	6
1,000 to 9,999 lb	1 255	169	78
10,000 to 49,999 lb	497	175	98
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 40, Miscellaneous manufactured products	26 672	4 455	S
Less than 50 lb	8 430	121	107
50 to 99 lb	1 932	62	47
100 to 499 lb	5 891	252	168
500 to 749 lb	928	80	39
750 to 999 lb	588	48	26
1,000 to 9,999 lb	4 742	779	357
10,000 to 49,999 lb	3 547	S	307
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	2 374	8 592	2 852
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	14
10,000 to 49,999 lb	1 446	S	1 375
50,000 to 99,999 lb	213	776	191
100,000 lb or more	516	1 409	1 271
SCTG 43, Mixed freight	3 436	1 569	126
Less than 50 lb	406	26	1
50 to 99 lb	160	12	1
100 to 499 lb	310	95	S
500 to 749 lb	123	60	S
750 to 999 lb	152	S	7
1,000 to 9,999 lb	1 295	638	52
10,000 to 49,999 lb	820	510	40
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	1 979	912	S
Less than 50 lb	249	5	4
50 to 99 lb	S	5	S
100 to 499 lb	573	31	7
500 to 749 lb	53	S	1
750 to 999 lb	S	S	1
1,000 to 9,999 lb	547	S	32
10,000 to 49,999 lb	285	200	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	308 275	256 341	44 473	515	97 125	165 519	3 249	33 142	32 630	3 011
Less than 50 lb	70 922	1 182	566	604	18 140	584	11	6 082	90	9
50 to 99 lb	20 108	703	242	349	6 099	390	8	1 700	74	7
100 to 499 lb	58 234	4 048	1 061	271	19 146	2 485	56	6 559	462	44
500 to 749 lb	15 422	1 881	423	224	5 977	1 191	28	1 220	216	21
750 to 999 lb	8 870	1 588	386	235	3 160	958	22	1 218	221	21
1,000 to 9,999 lb	63 333	21 844	4 987	225	21 837	13 056	302	7 903	3 010	280
10,000 to 49,999 lb	53 828	104 107	16 965	170	14 014	70 078	1 289	6 579	10 071	977
50,000 to 99,999 lb	7 148	77 417	5 268	65	4 378	57 885	1 040	1 406	11 911	1 085
100,000 lb or more	10 410	43 572	14 575	333	4 375	18 892	492	474	6 576	568
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	1 100	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	67	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	65	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	105	—	—	—	S	S	S
100,000 lb or more	S	S	S	1 437	—	—	—	—	—	—
SCTG 02, Cereal grains	S	15	9	414	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	75	S	S	S	S	S	S
100 to 499 lb	S	S	S	29	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	662	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	593	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	2	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	1	9	5	594	—	—	—	—	—	—
SCTG 03, Other agricultural products	2 286	3 873	561	286	1 480	1 719	49	215	S	S
Less than 50 lb	100	7	S	601	S	4	—	22	1	—
50 to 99 lb	50	9	—	S	S	7	—	S	S	S
100 to 499 lb	162	65	2	35	113	54	1	27	5	—
500 to 749 lb	55	45	2	S	39	S	S	S	S	S
750 to 999 lb	72	41	1	S	64	37	1	S	S	S
1,000 to 9,999 lb	730	518	23	S	616	429	9	63	48	5
10,000 to 49,999 lb	500	S	S	210	160	278	5	S	S	11
50,000 to 99,999 lb	253	S	S	144	76	S	S	S	S	S
100,000 lb or more	S	S	S	82	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	—	—	878	1	—	S	S	S	S
50 to 99 lb	1	—	S	S	—	—	S	S	S	S
100 to 499 lb	S	S	S	S	—	—	S	S	S	S
500 to 749 lb	S	S	S	17	S	S	S	—	—	—
750 to 999 lb	S	S	S	60	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	122	144	S	352	17	65	2	7	32	4
100,000 lb or more	60	43	S	1 380	S	S	S	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	5 756	1 767	547	222	2 702	906	27	722	244	23
Less than 50 lb	109	11	S	472	65	6	S	S	S	S
50 to 99 lb	172	21	2	S	122	15	—	S	3	—
100 to 499 lb	992	196	23	123	591	126	3	185	39	4
500 to 749 lb	416	99	12	126	255	69	2	59	13	1
750 to 999 lb	290	79	11	139	125	37	1	65	24	S
1,000 to 9,999 lb	2 681	859	250	259	1 219	456	12	324	139	14
10,000 to 49,999 lb	930	421	241	442	164	116	S	S	S	S
50,000 to 99,999 lb	S	S	S	39	S	S	S	—	—	—
100,000 lb or more	S	S	S	47	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	4 573	2 754	603	120	2 025	1 275	43	845	530	51
Less than 50 lb	S	5	S	306	9	3	S	S	S	S
50 to 99 lb	45	17	1	53	37	S	—	S	S	S
100 to 499 lb	473	178	12	65	318	127	3	S	27	3
500 to 749 lb	198	92	10	106	121	49	2	40	24	2
750 to 999 lb	181	96	10	105	67	31	1	75	S	S
1,000 to 9,999 lb	1 969	1 156	220	173	711	474	16	425	258	26
10,000 to 49,999 lb	1 642	1 198	341	256	733	S	21	225	179	16
50,000 to 99,999 lb	S	S	S	64	S	S	S	—	—	—
100,000 lb or more	S	8	S	1 178	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	10 187	9 726	2 052	208	3 922	4 843	126	1 622	1 621	155
Less than 50 lb	312	32	9	354	S	16	—	36	4	—
50 to 99 lb	222	32	5	139	S	21	—	S	5	—
100 to 499 lb	922	390	55	143	486	276	7	106	34	3
500 to 749 lb	497	281	41	141	220	182	5	98	34	3
750 to 999 lb	315	209	17	81	210	149	4	54	24	2
1,000 to 9,999 lb	3 020	1 980	328	150	1 194	1 106	33	497	252	23
10,000 to 49,999 lb	4 663	6 391	1 558	247	1 429	2 862	73	739	1 159	113
50,000 to 99,999 lb	S	S	S	70	S	S	S	35	110	S
100,000 lb or more	S	S	S	954	S	S	S	—	—	—
SCTG 08, Alcoholic beverages	4 233	3 137	212	27	3 633	2 563	57	278	288	28
Less than 50 lb	S	10	—	33	78	10	—	S	S	S
50 to 99 lb	93	20	1	28	90	19	—	3	1	—
100 to 499 lb	909	391	10	26	863	376	9	39	14	1
500 to 749 lb	301	203	5	23	289	198	4	12	5	—
750 to 999 lb	296	195	4	22	281	191	4	S	4	—
1,000 to 9,999 lb	1 854	1 503	34	22	1 790	1 461	30	61	40	3
10,000 to 49,999 lb	692	807	158	153	234	300	10	145	224	23
50,000 to 99,999 lb	S	S	S	8	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	2 186	144	24	147	1 502	77	2	398	38	4
Less than 50 lb	193	4	1	180	147	4	—	10	—	—
50 to 99 lb	254	8	1	S	205	6	—	S	S	S
100 to 499 lb	806	36	4	S	577	26	1	169	7	1
500 to 749 lb	275	16	1	S	236	13	—	33	S	S
750 to 999 lb	104	7	S	S	84	5	—	S	S	S
1,000 to 9,999 lb	408	43	11	204	201	11	—	91	13	1
10,000 to 49,999 lb	135	S	5	S	42	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	3	S	S	S	—	—	—
SCTG 10, Monumental or building stone	139	465	74	289	50	262	5	23	71	8
Less than 50 lb	—	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	S	S	161	S	S	S	—	—	S
100 to 499 lb	3	1	—	299	—	—	—	—	—	—
500 to 749 lb	3	2	—	255	S	S	S	—	—	—
750 to 999 lb	2	1	1	370	S	S	S	S	S	S
1,000 to 9,999 lb	28	33	6	260	7	14	—	S	S	S
10,000 to 49,999 lb	69	248	S	397	17	S	3	18	49	S
50,000 to 99,999 lb	13	67	8	119	5	22	1	S	S	S
100,000 lb or more	S	S	S	19	S	S	S	—	—	—
SCTG 11, Natural sands	138	17 274	684	S	98	14 768	238	15	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	3	S	S	S	—	—	—
100 to 499 lb	3	1	S	192	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	45	S	S	S	—	—	—
1,000 to 9,999 lb	8	335	S	S	4	280	S	S	S	S
10,000 to 49,999 lb	49	5 058	228	S	38	4 183	56	S	S	S
50,000 to 99,999 lb	59	8 872	322	S	45	7 657	126	7	S	S
100,000 lb or more	S	S	122	78	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	401	45 544	1 108	19	332	43 998	655	15	S	S
Less than 50 lb	S	S	S	947	—	—	—	—	—	—
50 to 99 lb	S	S	S	3	S	S	S	—	—	—
100 to 499 lb	S	1	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	14	S	S	S	—	—	—
750 to 999 lb	S	S	S	3	S	S	S	—	—	—
1,000 to 9,999 lb	7	537	7	S	6	522	3	S	S	S
10,000 to 49,999 lb	193	20 173	420	20	163	19 652	265	S	S	S
50,000 to 99,999 lb	129	17 497	265	15	123	17 351	242	S	S	S
100,000 lb or more	72	7 333	417	92	39	6 470	145	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	451	4 174	597	177	100	S	34	66	526	47
Less than 50 lb	S	S	S	151	S	S	S	S	S	S
50 to 99 lb	—	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	7	S	328	3	3	S	S	S	S
500 to 749 lb	8	5	1	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	347	S	S	S	—	—	—
1,000 to 9,999 lb	75	117	14	172	17	96	1	S	3	—
10,000 to 49,999 lb	303	2 806	399	S	65	S	26	59	486	43
50,000 to 99,999 lb	13	S	29	S	6	S	3	S	S	S
100,000 lb or more	14	387	148	469	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	S	50	S	308	S	S	S	S	S	S
Less than 50 lb	S	S	S	356	S	S	S	S	S	S
50 to 99 lb	S	S	S	354	S	S	S	S	S	S
100 to 499 lb	S	S	S	263	S	S	S	S	S	S
500 to 749 lb	S	S	S	79	S	S	S	S	—	—
750 to 999 lb	S	S	S	1 074	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	213	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	409	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	25	S	S	S	—	—	—
SCTG 15, Coal	S	S	S	40	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	14	S	S	S	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	45	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	4 202	14 626	470	30	3 474	11 965	245	666	2 563	209
Less than 50 lb	S	S	S	1	S	S	S	—	—	—
50 to 99 lb	S	S	S	3	S	S	S	—	—	—
100 to 499 lb	S	S	S	7	S	S	S	—	—	—
500 to 749 lb	S	S	S	42	S	S	S	S	S	S
750 to 999 lb	S	S	S	30	S	S	S	—	—	—
1,000 to 9,999 lb	189	231	9	34	134	185	3	S	26	3
10,000 to 49,999 lb	717	2 609	77	30	650	2 332	47	54	220	20
50,000 to 99,999 lb	2 491	8 694	266	29	2 073	7 240	157	S	S	S
100,000 lb or more	796	3 085	S	23	S	S	S	S	S	S
SCTG 18, Fuel oils	2 469	13 222	872	27	1 585	7 896	139	597	S	S
Less than 50 lb	S	S	S	137	—	—	—	S	S	S
50 to 99 lb	S	S	S	23	S	S	S	S	S	S
100 to 499 lb	5	23	14	14	5	23	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	23	78	1	S	S	S	1	S	1	—
1,000 to 9,999 lb	312	919	20	17	257	852	10	38	51	5
10,000 to 49,999 lb	836	4 465	S	50	606	3 189	38	S	S	S
50,000 to 99,999 lb	1 098	6 594	490	71	667	3 644	87	376	S	S
100,000 lb or more	S	S	S	69	S	S	S	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	687	12 292	168	33	553	11 972	125	91	233	21
Less than 50 lb	9	2	S	S	8	2	—	S	S	S
50 to 99 lb	7	4	—	S	6	4	—	S	S	S
100 to 499 lb	38	23	2	67	31	17	1	5	3	17
500 to 749 lb	9	11	1	S	5	9	—	3	2	—
750 to 999 lb	19	24	1	38	14	S	—	3	2	—
1,000 to 9,999 lb	175	450	16	S	116	378	5	42	49	4
10,000 to 49,999 lb	267	7 447	95	14	231	7 333	76	S	S	S
50,000 to 99,999 lb	160	3 651	52	14	138	3 528	41	21	120	11
100,000 lb or more	S	S	S	3	S	S	S	—	—	—
SCTG 20, Basic chemicals	2 459	1 846	660	182	762	606	21	316	367	33
Less than 50 lb	264	S	2	S	S	S	S	S	—	—
50 to 99 lb	44	S	1	S	19	S	S	7	1	—
100 to 499 lb	174	39	5	112	86	S	1	19	4	—
500 to 749 lb	82	21	5	252	25	9	—	9	6	—
750 to 999 lb	33	13	2	167	18	8	—	S	3	—
1,000 to 9,999 lb	808	377	78	192	348	202	6	144	74	6
10,000 to 49,999 lb	959	1 001	419	377	113	289	12	115	225	20
50,000 to 99,999 lb	10	122	12	101	3	S	S	5	55	6
100,000 lb or more	85	254	136	541	S	S	S	—	—	—
SCTG 21, Pharmaceutical products	19 008	342	128	440	3 581	75	3	3 739	S	S
Less than 50 lb	8 687	79	34	463	1 587	S	S	1 188	9	S
50 to 99 lb	S	S	S	264	264	5	—	S	S	S
100 to 499 lb	5 823	104	31	324	822	19	1	S	S	S
500 to 749 lb	850	21	8	367	154	7	—	185	4	—
750 to 999 lb	S	S	S	216	S	S	S	8	S	S
1,000 to 9,999 lb	1 044	42	27	634	439	15	1	80	6	1
10,000 to 49,999 lb	S	S	S	476	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	212	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	S	S	S	160	S	S	S	S	S	S
Less than 50 lb	S	S	S	165	—	—	—	S	S	S
50 to 99 lb	S	S	S	771	S	S	S	—	—	—
100 to 499 lb	3	2	S	137	S	1	S	S	S	S
500 to 749 lb	S	S	S	52	S	S	S	S	S	S
750 to 999 lb	S	S	S	65	S	S	S	S	S	S
1,000 to 9,999 lb	34	S	S	242	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	51	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	29	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	6 808	2 026	984	248	2 403	612	18	871	342	27
Less than 50 lb	632	27	5	240	320	18	—	93	4	—
50 to 99 lb	211	20	3	147	116	12	—	28	3	—
100 to 499 lb	730	103	29	260	387	51	1	66	13	1
500 to 749 lb	211	51	S	334	96	23	1	23	7	1
750 to 999 lb	210	46	19	405	38	14	1	59	10	1
1,000 to 9,999 lb	1 379	426	144	338	377	173	6	150	66	6
10,000 to 49,999 lb	3 375	1 313	754	541	1 069	314	9	453	239	18
50,000 to 99,999 lb	S	S	S	263	S	S	S	—	—	—
100,000 lb or more	S	S	S	511	—	—	—	—	—	—
SCTG 24, Plastics and rubber	12 628	17 444	3 736	387	3 559	S	S	1 468	4 313	360
Less than 50 lb	1 244	57	20	390	465	27	1	136	7	1
50 to 99 lb	545	52	21	436	211	27	1	47	8	1
100 to 499 lb	1 805	278	86	329	650	138	4	246	43	4
500 to 749 lb	606	110	38	342	222	59	1	71	11	1
750 to 999 lb	496	87	29	328	123	35	1	90	14	1
1,000 to 9,999 lb	4 646	1 274	543	456	1 409	474	15	624	174	17
10,000 to 49,999 lb	3 027	1 441	1 051	708	324	154	5	249	150	15
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	102	S	S	219	S	S	S
Less than 50 lb	S	S	S	157	S	S	S	S	S	S
50 to 99 lb	S	S	S	17	S	S	S	S	S	S
100 to 499 lb	S	S	S	11	S	S	S	S	S	S
500 to 749 lb	S	S	S	17	S	S	S	S	S	S
750 to 999 lb	S	S	S	31	S	S	S	S	S	S
1,000 to 9,999 lb	S	72	5	54	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	55	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	113	S	S	152	S	S	S
100,000 lb or more	S	S	S	321	S	S	S	S	S	S
SCTG 26, Wood products	5 188	15 573	2 456	274	2 000	10 392	241	933	2 171	199
Less than 50 lb	132	11	3	526	60	5	—	25	2	—
50 to 99 lb	122	15	3	S	69	9	—	27	3	—
100 to 499 lb	431	88	13	151	218	54	1	124	20	2
500 to 749 lb	190	51	11	218	93	32	1	24	6	1
750 to 999 lb	164	50	7	132	89	33	1	26	10	1
1,000 to 9,999 lb	1 652	1 099	121	120	845	703	16	334	218	20
10,000 to 49,999 lb	1 932	S	1 285	141	509	S	S	280	602	60
50,000 to 99,999 lb	360	5 554	432	85	104	S	85	79	1 152	103
100,000 lb or more	204	771	580	871	S	S	S	15	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	7 785	7 054	5 553	214	1 409	1 322	35	500	385	38
Less than 50 lb	52	6	1	145	34	5	—	6	1	—
50 to 99 lb	42	11	1	S	29	9	—	3	S	S
100 to 499 lb	302	96	14	134	189	71	2	31	14	1
500 to 749 lb	115	40	5	134	67	30	1	6	4	S
750 to 999 lb	112	51	S	197	72	35	1	14	7	1
1,000 to 9,999 lb	1 182	683	193	229	525	400	12	122	85	7
10,000 to 49,999 lb	4 492	4 031	2 948	703	432	439	13	299	212	21
50,000 to 99,999 lb	142	169	81	468	S	S	S	S	S	S
100,000 lb or more	1 345	1 968	2 298	1 229	S	S	S	S	59	7
SCTG 28, Paper or paperboard articles	6 689	2 764	1 108	345	2 001	971	29	1 033	440	41
Less than 50 lb	390	29	10	496	156	17	—	27	2	—
50 to 99 lb	225	38	6	163	144	30	1	12	S	—
100 to 499 lb	800	197	36	174	445	137	4	75	22	2
500 to 749 lb	220	78	13	168	112	51	1	23	9	1
750 to 999 lb	162	54	9	171	96	31	1	27	12	1
1,000 to 9,999 lb	1 723	877	S	390	673	394	13	270	169	16
10,000 to 49,999 lb	3 167	1 490	626	377	375	310	9	599	223	21
50,000 to 99,999 lb	S	S	S	31	S	S	S	—	—	—
100,000 lb or more	S	S	S	981	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	14 602	3 590	663	410	6 533	2 320	39	858	312	27
Less than 50 lb	4 381	276	99	439	1 426	184	2	181	8	1
50 to 99 lb	855	91	24	271	374	66	1	63	4	—
100 to 499 lb	2 544	406	69	165	1 131	322	4	129	13	1
500 to 749 lb	896	95	23	240	S	68	1	44	5	—
750 to 999 lb	242	53	6	116	144	42	1	13	2	—
1,000 to 9,999 lb	3 578	1 289	143	131	1 975	942	16	238	S	10
10,000 to 49,999 lb	1 966	1 262	281	178	789	646	14	184	140	13
50,000 to 99,999 lb	59	47	S	109	S	26	S	S	S	S
100,000 lb or more	79	S	S	199	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	15 209	1 088	912	1 040	1 486	137	4	1 255	120	11
Less than 50 lb	4 271	88	94	1 051	228	6	—	161	4	—
50 to 99 lb	779	27	26	968	74	3	—	45	3	—
100 to 499 lb	2 015	100	85	904	205	17	—	274	12	1
500 to 749 lb	849	48	35	732	123	11	—	59	4	—
750 to 999 lb	443	37	28	738	144	8	—	14	1	—
1,000 to 9,999 lb	3 906	398	295	778	518	60	2	S	S	4
10,000 to 49,999 lb	2 922	351	337	916	190	30	—	179	40	4
50,000 to 99,999 lb	S	S	S	835	S	S	S	—	—	—
100,000 lb or more	S	S	S	479	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	2 759	20 754	1 649	648	1 194	15 954	303	492	2 459	214
Less than 50 lb	508	17	16	916	107	4	—	34	1	—
50 to 99 lb	65	7	2	346	S	—	—	4	S	—
100 to 499 lb	140	37	8	247	53	23	—	13	5	—
500 to 749 lb	107	25	5	205	27	17	—	S	S	S
750 to 999 lb	48	15	3	S	14	9	S	S	S	S
1,000 to 9,999 lb	407	1 075	139	137	198	865	19	46	69	6
10,000 to 49,999 lb	993	13 780	870	S	517	11 301	189	149	1 093	100
50,000 to 99,999 lb	359	4 113	303	S	201	S	S	S	974	83
100,000 lb or more	131	1 684	S	183	49	753	15	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	10 864	9 903	6 458	280	2 962	2 367	53	1 130	827	79
Less than 50 lb	398	15	4	288	162	9	—	S	2	—
50 to 99 lb	292	16	3	176	138	10	—	S	3	—
100 to 499 lb	1 047	127	22	181	442	89	2	130	13	1
500 to 749 lb	411	65	10	157	242	47	1	40	6	1
750 to 999 lb	467	107	S	885	S	47	1	S	8	1
1,000 to 9,999 lb	2 391	1 215	376	281	941	653	16	303	170	16
10,000 to 49,999 lb	3 041	3 309	1 164	354	764	1 167	27	407	514	49
50,000 to 99,999 lb	182	673	S	347	61	317	5	38	43	5
100,000 lb or more	2 634	S	S	814	S	28	S	22	S	S
SCTG 33, Articles of base metal	9 482	2 337	1 079	345	3 574	865	26	825	440	42
Less than 50 lb	2 095	62	25	334	915	33	1	201	5	—
50 to 99 lb	659	42	13	299	320	26	—	48	3	—
100 to 499 lb	1 858	179	77	415	608	77	2	110	17	2
500 to 749 lb	435	60	33	552	S	23	1	18	5	—
750 to 999 lb	367	52	25	471	157	23	1	15	5	—
1,000 to 9,999 lb	2 551	736	280	363	873	305	7	257	121	11
10,000 to 49,999 lb	1 493	900	276	332	540	297	14	173	239	22
50,000 to 99,999 lb	13	26	S	546	S	S	S	S	S	S
100,000 lb or more	S	S	S	859	S	S	S	S	S	S
SCTG 34, Machinery	19 078	880	479	375	4 413	278	8	2 400	76	7
Less than 50 lb	4 208	40	15	358	1 192	17	—	722	5	—
50 to 99 lb	1 465	22	10	474	244	8	—	263	3	—
100 to 499 lb	4 153	110	43	389	1 148	56	1	706	10	1
500 to 749 lb	880	34	20	585	228	12	—	53	3	—
750 to 999 lb	865	26	11	412	S	12	—	S	2	—
1,000 to 9,999 lb	3 907	295	158	564	696	85	3	443	37	3
10,000 to 49,999 lb	3 418	308	209	681	S	54	2	106	14	1
50,000 to 99,999 lb	S	S	S	890	—	—	—	—	—	—
100,000 lb or more	49	S	S	70	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	67 133	1 373	978	678	17 851	386	11	4 229	104	10
Less than 50 lb	22 380	107	65	693	5 968	48	1	1 425	9	1
50 to 99 lb	7 019	59	34	570	1 956	27	1	295	5	—
100 to 499 lb	18 419	253	149	613	5 589	104	2	913	16	2
500 to 749 lb	5 295	116	47	410	1 728	63	1	150	7	1
750 to 999 lb	1 900	48	27	574	S	S	1	S	4	—
1,000 to 9,999 lb	9 893	444	389	841	1 981	100	4	956	23	2
10,000 to 49,999 lb	2 196	329	254	753	246	25	1	249	33	3
50,000 to 99,999 lb	S	S	S	860	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	7 551	1 019	288	134	2 778	564	11	S	170	16
Less than 50 lb	1 359	74	9	S	762	56	1	232	7	1
50 to 99 lb	416	34	10	291	189	19	—	45	5	1
100 to 499 lb	1 093	95	33	295	455	51	1	159	17	2
500 to 749 lb	430	39	14	342	180	20	—	S	S	S
750 to 999 lb	355	27	S	361	S	12	—	S	5	—
1,000 to 9,999 lb	2 331	336	107	290	888	141	3	433	67	6
10,000 to 49,999 lb	S	S	91	S	133	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	768	S	S	S	—	—	—
100,000 lb or more	S	S	S	836	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	8 083	72	30	721	4 945	39	—	856	S	S
Less than 50 lb	2 641	5	4	722	944	1	—	560	1	—
50 to 99 lb	S	1	1	717	S	S	S	7	S	S
100 to 499 lb	1 240	9	7	710	S	S	S	97	1	—
500 to 749 lb	59	3	2	671	S	S	S	S	S	S
750 to 999 lb	S	2	2	717	S	S	S	S	S	S
1,000 to 9,999 lb	227	13	8	806	S	S	S	S	S	S
10,000 to 49,999 lb	125	8	5	666	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	422	—	—	—	—	—	—
100,000 lb or more	2 857	30	—	3	2 857	30	—	—	—	—
SCTG 38, Precision instruments and apparatus	16 005	233	166	817	2 971	49	1	1 160	23	2
Less than 50 lb	7 123	34	24	828	972	S	S	363	2	—
50 to 99 lb	1 452	10	9	816	355	3	—	68	1	—
100 to 499 lb	3 754	46	26	595	874	17	—	581	7	1
500 to 749 lb	674	10	5	479	350	4	S	26	S	—
750 to 999 lb	373	7	3	462	S	S	S	30	1	—
1,000 to 9,999 lb	2 041	47	37	713	259	8	—	69	6	1
10,000 to 49,999 lb	588	78	62	861	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	3 142	483	234	640	1 023	139	4	426	60	6
Less than 50 lb	188	9	9	910	62	3	—	11	1	—
50 to 99 lb	116	8	3	355	49	3	—	12	1	—
100 to 499 lb	738	70	27	394	S	28	1	57	10	1
500 to 749 lb	216	30	11	353	67	11	—	25	4	—
750 to 999 lb	122	17	6	360	48	6	—	16	2	—
1,000 to 9,999 lb	1 255	169	78	394	293	48	1	261	30	3
10,000 to 49,999 lb	497	175	98	543	135	41	1	45	11	1
50,000 to 99,999 lb	S	S	S	387	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	26 672	4 455	S	951	6 341	S	S	1 799	407	39
Less than 50 lb	8 430	121	107	995	1 739	23	1	493	8	1
50 to 99 lb	1 932	62	47	772	244	16	—	95	4	—
100 to 499 lb	5 891	252	168	676	1 498	86	3	300	26	2
500 to 749 lb	928	80	39	467	198	27	1	58	13	1
750 to 999 lb	588	48	26	531	S	12	—	53	6	1
1,000 to 9,999 lb	4 742	779	357	475	1 236	332	8	440	95	9
10,000 to 49,999 lb	3 547	S	307	215	S	S	S	155	117	13
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	1 204	S	S	S	S	S	S
SCTG 41, Waste and scrap .	2 374	8 592	2 852	205	349	2 596	86	160	922	86
Less than 50 lb	S	S	S	185	S	S	S	S	S	S
50 to 99 lb	S	S	S	219	S	S	S	S	S	S
100 to 499 lb	S	S	S	231	S	S	S	S	S	S
500 to 749 lb	S	S	S	105	S	S	S	S	S	S
750 to 999 lb	S	S	S	53	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	14	S	S	S	S	S	5	—
10,000 to 49,999 lb	1 446	S	1 375	213	203	S	S	116	632	53
50,000 to 99,999 lb	213	776	191	213	S	302	S	S	176	13
100,000 lb or more	516	1 409	1 271	514	S	S	S	S	S	S
SCTG 43, Mixed freight.....	3 436	1 569	126	S	2 028	894	32	782	396	37
Less than 50 lb	406	26	1	S	335	24	1	17	1	—
50 to 99 lb	160	12	1	S	102	9	—	S	1	—
100 to 499 lb	310	95	S	S	166	41	1	56	S	S
500 to 749 lb	123	60	S	81	62	30	1	S	S	S
750 to 999 lb	152	S	7	89	65	33	1	55	S	S
1,000 to 9,999 lb	1 295	638	52	81	649	330	12	423	206	19
10,000 to 49,999 lb	820	510	40	78	484	294	10	189	119	11
50,000 to 99,999 lb	S	S	S	150	S	S	S	—	—	—
100,000 lb or more	S	S	S	44	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	1 979	912	S	916	680	318	S	205	101	9
Less than 50 lb	249	5	4	1 205	46	S	S	13	—	—
50 to 99 lb	S	5	S	491	S	S	S	S	S	S
100 to 499 lb	573	31	7	S	S	22	—	S	S	S
500 to 749 lb	53	S	1	S	S	S	S	S	S	S
750 to 999 lb	S	S	1	S	S	S	S	S	S	S
1,000 to 9,999 lb	547	S	32	S	S	S	S	S	S	S
10,000 to 49,999 lb	285	200	S	578	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	517	S	S	S	S	S	S

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	45 380	28 501	6 060	25 555	9 654	4 710	20 274	4 437	3 416	25 412	8 024	8 773
Less than 50 lb	9 787	137	29	5 877	73	32	4 616	55	42	5 408	65	68
50 to 99 lb	3 155	87	17	1 720	28	13	1 135	26	19	1 347	25	26
100 to 499 lb	8 419	432	87	3 636	132	57	3 022	120	89	4 681	126	130
500 to 749 lb	2 291	184	38	1 237	76	34	1 623	56	42	913	54	57
750 to 999 lb	1 208	182	35	593	49	21	507	41	31	850	44	44
1,000 to 9,999 lb	9 543	2 626	516	4 710	700	308	4 137	603	448	5 310	672	684
10,000 to 49,999 lb	9 639	11 452	2 444	6 441	4 340	1 869	4 571	2 493	1 855	4 971	2 513	2 496
50,000 to 99,999 lb	640	4 459	796	330	S	S	57	139	110	104	126	126
100,000 lb or more	697	8 942	S	1 011	1 718	943	S	904	779	1 828	S	S
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	S	S	S
SCTG 02, Cereal grains	—	—	—	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 03, Other agricultural products	413	990	230	S	S	S	6	3	2	S	S	4
Less than 50 lb	S	1	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	1	—	S	S	S	S	S	S	—	—	—
100 to 499 lb	21	6	1	S	S	S	S	S	S	S	S	S
500 to 749 lb	6	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	43	38	7	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
50,000 to 99,999 lb	161	572	148	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	136	180	38	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	—	S	—	—	—	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	32	93	20	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	69	33	9	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	6	—	—	—	—	—	—	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	697	178	35	724	184	79	164	41	31	341	91	95
Less than 50 lb	8	1	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	10	1	—	8	1	—	S	S	S	S	S	S
100 to 499 lb	84	18	3	S	6	S	15	2	2	S	S	S
500 to 749 lb	34	8	1	S	S	S	S	S	S	S	S	S
750 to 999 lb	63	12	2	28	3	2	S	S	S	S	S	S
1,000 to 9,999 lb	302	75	14	335	61	S	S	S	S	S	S	S
10,000 to 49,999 lb	191	61	13	S	S	S	60	18	13	114	47	50
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	1 021	525	97	280	180	73	113	79	61	93	43	42
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	—	—	S	S	S
500 to 749 lb	31	16	3	S	S	S	S	S	S	S	S	S
750 to 999 lb	28	22	3	9	1	—	S	S	S	S	S	S
1,000 to 9,999 lb	614	320	62	109	48	20	38	23	18	S	S	S
10,000 to 49,999 lb	273	147	25	145	124	50	68	S	S	80	40	39
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	2 304	1 770	378	716	568	247	302	255	190	418	220	210
Less than 50 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	13	1	1
50 to 99 lb	\$	3	1	\$	\$	\$	\$	\$	\$	\$	\$	\$
100 to 499 lb	105	\$	\$	\$	3	1	2	1	1	\$	\$	\$
500 to 749 lb	72	\$	\$	8	2	1	\$	2	1	3	1	1
750 to 999 lb	40	\$	\$	3	\$	\$	\$	\$	\$	\$	1	1
1,000 to 9,999 lb	772	477	103	111	41	17	\$	23	16	\$	20	19
10,000 to 49,999 lb	1 217	1 082	232	489	515	225	184	227	170	261	193	185
50,000 to 99,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 08, Alcoholic beverages	133	173	36	\$	\$	\$	\$	\$	\$	\$	\$	\$
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
100 to 499 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
500 to 749 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
750 to 999 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	124	170	36	\$	\$	\$	\$	\$	\$	\$	\$	\$
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	\$	20	4	\$	\$	\$	\$	\$	\$	\$	\$	\$
Less than 50 lb	\$	\$	\$	\$	—	—	\$	—	—	\$	\$	\$
50 to 99 lb	\$	\$	\$	\$	\$	\$	\$	—	—	\$	\$	\$
100 to 499 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
500 to 749 lb	—	—	—	\$	\$	\$	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	\$	15	3	\$	\$	\$	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	\$	\$	\$	—	—	—	\$	\$	\$	\$	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	45	90	16	12	10	5	2	\$	\$	4	9	9
Less than 50 lb	\$	\$	\$	\$	\$	\$	—	—	—	—	—	—
50 to 99 lb	—	\$	\$	\$	\$	\$	—	—	—	—	—	—
100 to 499 lb	1	\$	\$	—	\$	\$	—	—	—	\$	\$	\$
500 to 749 lb	1	1	—	1	\$	\$	\$	\$	\$	\$	\$	\$
750 to 999 lb	1	—	—	1	—	\$	\$	\$	\$	\$	\$	\$
1,000 to 9,999 lb	\$	8	2	\$	\$	\$	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	24	46	9	\$	\$	\$	\$	\$	\$	4	8	8
50,000 to 99,999 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
100,000 lb or more	\$	\$	\$	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	15	809	150	5	\$	\$	\$	\$	\$	\$	18	\$
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
500 to 749 lb	\$	\$	\$	—	—	—	—	—	—	\$	\$	\$
750 to 999 lb	—	—	—	\$	\$	\$	\$	\$	\$	—	—	—
1,000 to 9,999 lb	\$	—	—	\$	\$	\$	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
50,000 to 99,999 lb	6	374	70	\$	42	16	\$	\$	\$	\$	\$	\$
100,000 lb or more	\$	\$	\$	—	—	—	\$	\$	\$	\$	\$	\$
SCTG 12, Gravel and crushed stone	\$	250	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Less than 50 lb	—	—	—	—	—	—	—	—	—	\$	\$	\$
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	\$	\$	\$	\$	\$	\$	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	\$	\$	\$	\$	\$	\$	—	\$	—	\$	—	—
50,000 to 99,999 lb	\$	\$	\$	\$	\$	\$	—	\$	—	\$	—	—
100,000 lb or more	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
SCTG 13, Nonmetallic minerals n.e.c.	154	1 000	212	44	237	113	12	24	18	32	55	58
Less than 50 lb	\$	\$	\$	—	—	—	\$	\$	\$	—	—	—
50 to 99 lb	\$	\$	\$	—	—	—	—	—	—	\$	\$	\$
100 to 499 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
500 to 749 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
750 to 999 lb	\$	\$	\$	—	—	—	\$	\$	\$	\$	\$	\$
1,000 to 9,999 lb	32	11	2	\$	\$	\$	\$	\$	\$	4	2	2
10,000 to 49,999 lb	110	704	140	23	138	57	\$	17	12	\$	40	42
50,000 to 99,999 lb	2	\$	\$	\$	\$	\$	—	—	—	—	—	—
100,000 lb or more	6	\$	59	2	67	43	\$	\$	\$	\$	\$	11

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Less than 50 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
50 to 99 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
100 to 499 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
500 to 749 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
750 to 999 lb	—	—	—	\$	\$	\$	—	—	—	\$	\$	\$
1,000 to 9,999 lb	\$	\$	\$	\$	\$	\$	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	\$	\$	\$	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 15, Coal	—	—	—	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	62	97	16	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	\$	19	3	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	13	57	9	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	\$	\$	\$	\$	\$	\$	—	—	—	\$	\$	\$
Less than 50 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	\$	11	2	\$	\$	\$	—	—	—	—	—	—
10,000 to 49,999 lb	23	103	17	\$	\$	\$	—	—	—	—	—	—
50,000 to 99,999 lb	\$	\$	\$	\$	\$	\$	—	—	—	\$	\$	\$
100,000 lb or more	\$	\$	\$	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	31	64	12	\$	\$	\$	\$	\$	\$	1	\$	\$
Less than 50 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
50 to 99 lb	\$	\$	\$	—	—	—	\$	\$	\$	\$	\$	\$
100 to 499 lb	2	1	—	\$	\$	\$	\$	\$	\$	\$	\$	\$
500 to 749 lb	—	—	—	\$	\$	\$	\$	\$	\$	—	—	—
750 to 999 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	13	19	3	\$	\$	\$	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	\$	\$	\$	\$	\$	\$	—	—	—	—	—	—
50,000 to 99,999 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 20, Basic chemicals	463	384	85	157	191	96	172	81	60	194	69	72
Less than 50 lb	11	—	—	9	—	—	5	—	—	8	—	—
50 to 99 lb	4	—	—	\$	\$	\$	\$	\$	\$	\$	\$	\$
100 to 499 lb	24	2	—	13	1	—	8	1	—	15	\$	\$
500 to 749 lb	11	3	—	\$	\$	\$	\$	\$	\$	\$	\$	\$
750 to 999 lb	\$	\$	\$	2	\$	\$	—	\$	\$	\$	\$	\$
1,000 to 9,999 lb	113	52	10	31	9	5	38	10	7	58	14	\$
10,000 to 49,999 lb	236	183	32	83	93	\$	111	53	38	90	\$	\$
50,000 to 99,999 lb	\$	\$	\$	\$	\$	\$	—	—	—	—	—	—
100,000 lb or more	\$	114	38	8	\$	40	\$	\$	\$	—	—	—
SCTG 21, Pharmaceutical products	\$	\$	22	988	15	6	903	15	12	851	6	6
Less than 50 lb	1 762	\$	\$	644	\$	2	324	3	3	367	3	3
50 to 99 lb	\$	\$	—	127	2	1	\$	—	—	\$	—	1
100 to 499 lb	\$	\$	\$	\$	\$	\$	85	1	1	\$	\$	\$
500 to 749 lb	185	4	1	\$	\$	\$	\$	\$	\$	7	\$	\$
750 to 999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1,000 to 9,999 lb	\$	3	1	\$	2	1	\$	\$	\$	\$	—	—
10,000 to 49,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	\$	\$	\$	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	838	367	75	620	153	64	481	129	105	883	253	257
Less than 50 lb	62	2	—	24	1	—	15	—	—	24	—	—
50 to 99 lb	34	4	—	S	1	—	5	—	—	5	—	—
100 to 499 lb	96	14	3	37	S	S	37	S	S	58	S	S
500 to 749 lb	29	5	S	15	S	S	S	S	S	S	S	S
750 to 999 lb	26	5	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	256	71	14	115	29	13	146	27	20	149	28	28
10,000 to 49,999 lb	277	241	49	402	94	37	226	86	73	627	213	216
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 24, Plastics and rubber	2 261	S	S	958	274	119	1 155	282	211	1 168	320	334
Less than 50 lb	183	10	2	60	3	1	95	2	2	78	2	2
50 to 99 lb	76	6	1	25	1	1	16	S	S	34	2	2
100 to 499 lb	267	37	7	152	14	6	92	12	9	116	13	14
500 to 749 lb	57	7	2	52	S	S	60	4	3	52	S	S
750 to 999 lb	87	17	3	23	4	2	90	8	S	28	4	4
1,000 to 9,999 lb	821	253	48	287	85	38	415	90	67	415	68	72
10,000 to 49,999 lb	720	388	84	355	149	64	382	160	119	419	206	215
50,000 to 99,999 lb	9	4	1	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	S	S	S	—	—	—	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 26, Wood products	857	1 229	247	451	671	302	211	404	315	271	338	355
Less than 50 lb	17	1	—	S	S	S	S	—	—	5	—	—
50 to 99 lb	15	2	—	3	—	—	S	—	—	2	—	—
100 to 499 lb	41	7	1	8	1	1	6	1	1	10	1	1
500 to 749 lb	23	S	S	8	2	1	1	—	—	S	S	S
750 to 999 lb	17	5	1	3	1	—	5	1	1	S	—	—
1,000 to 9,999 lb	274	117	22	76	20	8	22	9	7	37	15	15
10,000 to 49,999 lb	349	679	137	295	494	215	127	224	166	165	212	216
50,000 to 99,999 lb	91	328	68	32	76	34	18	60	47	S	S	S
100,000 lb or more	S	S	S	17	76	42	25	109	93	17	66	80
SCTG 27, Pulp, newsprint, paper, and paperboard	830	851	190	1 003	919	467	721	713	537	1 413	1 236	1 342
Less than 50 lb	2	—	—	1	—	—	2	—	—	2	—	—
50 to 99 lb	S	S	S	S	S	S	2	S	S	2	—	—
100 to 499 lb	18	4	1	10	1	—	4	1	1	8	1	1
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	1	1
750 to 999 lb	S	2	—	S	S	S	S	S	—	5	1	1
1,000 to 9,999 lb	116	57	12	84	37	16	87	29	21	83	31	32
10,000 to 49,999 lb	623	651	141	677	632	291	512	535	384	864	710	666
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	49	88	27	156	215	141	93	134	119	430	489	638
SCTG 28, Paper or paperboard articles	1 412	547	115	586	261	113	543	168	125	301	116	119
Less than 50 lb	64	3	1	27	1	—	22	1	—	20	1	1
50 to 99 lb	12	1	—	6	S	S	4	S	S	S	S	S
100 to 499 lb	147	16	3	35	6	3	19	2	2	18	4	4
500 to 749 lb	40	9	2	15	3	2	S	1	1	6	2	2
750 to 999 lb	18	6	1	7	2	1	S	S	S	1	1	1
1,000 to 9,999 lb	252	111	21	87	30	13	82	27	20	52	23	23
10,000 to 49,999 lb	879	401	87	409	218	94	404	136	101	185	83	86
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	2 922	514	107	1 000	127	51	614	87	64	744	81	84
Less than 50 lb	564	18	4	476	14	6	209	8	5	329	11	12
50 to 99 lb	153	6	1	S	3	1	29	2	1	44	3	3
100 to 499 lb	S	29	6	181	9	4	111	6	4	101	6	7
500 to 749 lb	S	7	1	21	3	1	S	S	S	S	S	S
750 to 999 lb	25	3	1	S	S	S	7	S	S	S	1	1
1,000 to 9,999 lb	888	131	25	125	26	10	65	15	11	133	20	20
10,000 to 49,999 lb	512	268	57	96	63	24	138	52	40	84	35	36
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	2 607	234	53	1 779	88	40	1 396	109	80	2 010	112	110
Less than 50 lb	791	12	3	723	14	6	350	8	6	498	11	12
50 to 99 lb	86	3	1	78	3	1	78	3	2	122	3	3
100 to 499 lb	279	18	4	176	7	3	205	8	6	245	10	10
500 to 749 lb	140	8	2	S	5	S	97	5	4	93	5	5
750 to 999 lb	77	11	2	53	2	1	23	3	2	35	2	3
1,000 to 9,999 lb	710	74	16	402	35	17	351	41	30	376	39	40
10,000 to 49,999 lb	515	74	17	229	20	9	288	40	29	641	41	37
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	382	S	S	130	172	75	116	S	S	134	130	127
Less than 50 lb	S	S	1	37	1	1	S	2	1	33	1	1
50 to 99 lb	7	1	—	6	S	S	2	S	S	5	S	S
100 to 499 lb	17	3	1	10	2	1	6	1	—	14	1	1
500 to 749 lb	5	1	—	2	S	S	S	—	—	S	S	S
750 to 999 lb	S	1	—	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	42	47	10	25	17	8	21	S	S	38	21	21
10,000 to 49,999 lb	170	S	S	40	122	52	23	S	S	21	55	54
50,000 to 99,999 lb	7	49	8	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	1 226	893	182	1 393	948	419	1 073	704	562	1 505	S	S
Less than 50 lb	41	1	—	21	1	—	14	—	—	18	—	—
50 to 99 lb	24	1	—	7	1	—	8	—	—	4	—	—
100 to 499 lb	133	11	2	71	5	2	52	3	2	47	2	2
500 to 749 lb	33	4	1	S	2	1	20	1	1	S	1	1
750 to 999 lb	S	S	S	19	S	2	64	4	4	S	5	4
1,000 to 9,999 lb	292	127	24	157	54	23	165	57	42	119	40	42
10,000 to 49,999 lb	626	587	122	401	332	146	316	361	274	215	178	180
50,000 to 99,999 lb	19	93	S	44	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	1 050	S	S
SCTG 33, Articles of base metal	1 290	310	60	545	105	44	1 007	205	147	997	151	152
Less than 50 lb	228	7	2	99	3	1	161	3	3	186	4	4
50 to 99 lb	58	3	1	27	1	1	63	3	2	69	2	2
100 to 499 lb	292	23	5	92	8	3	296	19	13	134	12	12
500 to 749 lb	55	8	2	32	4	2	39	6	4	25	3	3
750 to 999 lb	56	6	1	S	S	S	23	3	2	34	4	4
1,000 to 9,999 lb	331	102	21	203	36	17	180	35	28	441	78	77
10,000 to 49,999 lb	266	143	27	65	43	17	245	82	59	106	47	48
50,000 to 99,999 lb	4	6	1	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 34, Machinery	2 580	128	28	1 816	106	46	1 343	85	60	2 459	102	104
Less than 50 lb	794	7	1	209	3	1	243	2	1	286	2	2
50 to 99 lb	340	3	1	43	1	1	83	S	S	132	2	2
100 to 499 lb	323	11	2	145	5	2	228	7	6	581	7	7
500 to 749 lb	S	4	1	41	2	1	S	3	2	140	5	5
750 to 999 lb	S	3	1	48	2	1	27	2	1	S	4	4
1,000 to 9,999 lb	608	53	12	293	23	9	317	19	15	622	35	35
10,000 to 49,999 lb	274	44	11	952	66	29	320	S	S	300	47	49
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	8 788	218	48	6 137	134	56	4 679	114	87	6 072	112	117
Less than 50 lb	2 395	11	2	2 114	6	3	1 347	6	5	1 750	7	7
50 to 99 lb	682	5	1	791	4	2	243	2	1	566	4	4
100 to 499 lb	2 883	33	8	1 292	20	9	985	17	14	1 958	17	18
500 to 749 lb	S	S	S	435	5	2	S	S	S	323	4	4
750 to 999 lb	S	6	1	S	2	1	S	3	2	128	5	5
1,000 to 9,999 lb	938	62	14	1 003	34	15	957	45	32	1 183	52	54
10,000 to 49,999 lb	410	85	18	362	62	23	S	28	21	164	23	24
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	644	61	12	275	23	10	701	78	57	563	58	59
Less than 50 lb	\$	5	1	53	1	1	24	1	1	33	1	1
50 to 99 lb	37	\$	\$	\$	\$	\$	30	1	1	38	1	1
100 to 499 lb	83	5	1	47	3	1	94	6	4	\$	4	4
500 to 749 lb	42	2	—	13	1	—	41	2	2	26	3	3
750 to 999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1,000 to 9,999 lb	251	35	7	51	8	4	290	36	26	\$	31	32
10,000 to 49,999 lb	63	9	2	\$	\$	\$	153	26	19	63	15	15
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	\$	\$	\$	—	—	—
SCTG 37, Transportation equipment, n.e.c.	473	8	2	87	4	2	354	2	1	116	4	4
Less than 50 lb	315	1	—	28	—	—	186	—	—	61	—	—
50 to 99 lb	\$	—	—	\$	—	\$	\$	\$	\$	\$	\$	\$
100 to 499 lb	18	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
500 to 749 lb	12	\$	\$	\$	—	—	\$	\$	\$	\$	\$	\$
750 to 999 lb	\$	\$	\$	2	—	\$	\$	\$	\$	\$	\$	\$
1,000 to 9,999 lb	59	\$	\$	\$	\$	\$	\$	\$	\$	34	\$	\$
10,000 to 49,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	—	—	—
50,000 to 99,999 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	1 983	28	6	1 619	13	5	1 642	65	50	1 326	12	12
Less than 50 lb	816	3	1	661	2	1	681	2	2	755	3	3
50 to 99 lb	146	1	—	66	1	—	\$	1	1	94	1	1
100 to 499 lb	404	5	1	214	2	1	307	2	2	323	4	4
500 to 749 lb	62	2	—	\$	1	—	24	1	—	40	1	1
750 to 999 lb	20	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1,000 to 9,999 lb	411	6	1	553	6	2	\$	7	5	\$	\$	\$
10,000 to 49,999 lb	123	10	2	\$	\$	\$	243	52	40	\$	\$	\$
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	514	121	26	255	42	19	120	25	19	357	38	40
Less than 50 lb	11	1	—	9	1	—	9	—	—	\$	\$	\$
50 to 99 lb	\$	1	—	8	1	—	2	—	—	\$	\$	\$
100 to 499 lb	117	12	2	50	5	2	34	4	3	36	4	4
500 to 749 lb	46	7	1	29	3	2	12	1	1	\$	\$	\$
750 to 999 lb	25	5	1	10	1	1	\$	\$	\$	\$	—	—
1,000 to 9,999 lb	211	35	7	89	16	7	21	3	3	254	22	24
10,000 to 49,999 lb	77	58	13	52	14	6	\$	16	12	29	8	8
50,000 to 99,999 lb	\$	\$	\$	\$	\$	\$	—	—	—	\$	\$	\$
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products	4 017	664	126	3 177	186	78	1 989	139	102	2 532	181	190
Less than 50 lb	1 345	18	4	573	12	5	831	13	10	875	13	14
50 to 99 lb	280	11	2	380	4	2	326	7	6	118	4	4
100 to 499 lb	785	32	6	763	11	5	310	19	14	513	28	29
500 to 749 lb	71	8	2	\$	16	\$	37	3	2	66	4	4
750 to 999 lb	124	9	2	\$	\$	\$	40	4	3	64	5	5
1,000 to 9,999 lb	699	115	20	370	39	18	338	37	26	506	64	65
10,000 to 49,999 lb	569	65	13	\$	40	16	\$	20	14	353	36	38
50,000 to 99,999 lb	\$	5	\$	\$	\$	\$	—	—	—	\$	\$	\$
100,000 lb or more	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
SCTG 41, Waste and scrap	586	\$	\$	312	596	280	\$	\$	\$	403	519	\$
Less than 50 lb	\$	\$	\$	\$	\$	\$	—	—	—	\$	\$	\$
50 to 99 lb	—	—	—	\$	\$	\$	—	—	—	—	—	—
100 to 499 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	—	—	—
500 to 749 lb	\$	\$	\$	\$	\$	\$	\$	\$	—	—	—	—
750 to 999 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	478	\$	\$	191	363	155	\$	\$	\$	121	155	161
50,000 to 99,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
100,000 lb or more	14	307	66	75	182	102	\$	\$	\$	\$	\$	\$
SCTG 43, Mixed freight	503	259	47	89	17	6	\$	\$	\$	\$	\$	\$
Less than 50 lb	\$	1	—	\$	\$	\$	1	—	—	\$	\$	\$
50 to 99 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
100 to 499 lb	74	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
500 to 749 lb	\$	4	1	—	—	—	—	—	—	\$	\$	\$
750 to 999 lb	26	\$	\$	\$	\$	\$	—	—	—	\$	\$	\$
1,000 to 9,999 lb	179	92	16	35	8	3	—	—	—	\$	\$	\$
10,000 to 49,999 lb	141	94	18	\$	\$	\$	—	—	—	—	—	—
50,000 to 99,999 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	278	S	S	112	33	14	106	S	S	154	S	S
Less than 50 lb	29	1	—	S	S	S	13	—	—	S	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	2	—	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	33	S	S	3	S	S	S	S	S
10,000 to 49,999 lb	36	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	23 307	3 810	5 368	11 247	1 492	3 094	26 834	2 274	6 792
Less than 50 lb	7 574	76	109	3 758	29	56	9 680	72	211
50 to 99 lb	1 958	31	43	660	15	29	2 335	27	80
100 to 499 lb	4 485	137	193	2 429	54	108	5 855	100	296
500 to 749 lb	776	52	74	403	22	42	983	30	88
750 to 999 lb	535	33	47	195	12	24	S	S	S
1,000 to 9,999 lb	3 692	505	702	2 333	224	438	3 868	448	1 309
10,000 to 49,999 lb	3 411	1 762	2 378	1 328	481	938	2 873	916	2 720
50,000 to 99,999 lb	101	189	261	49	70	133	84	103	284
100,000 lb or more	775	1 025	1 561	92	S	S	S	532	1 663
SCTG 01, Live animals and live fish	-	-	-	-	-	-	S	S	S
Less than 50 lb	-	-	-	-	-	-	-	-	-
50 to 99 lb	-	-	-	-	-	-	-	-	-
100 to 499 lb	-	-	-	-	-	-	S	S	S
500 to 749 lb	-	-	-	-	-	-	-	-	-
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	-	-	-	-	-	-	-	-	-
10,000 to 49,999 lb	-	-	-	-	-	-	-	-	-
50,000 to 99,999 lb	-	-	-	-	-	-	-	-	-
100,000 lb or more	-	-	-	-	-	-	-	-	-
SCTG 02, Cereal grains	S	S	S	-	-	-	-	-	-
Less than 50 lb	-	-	-	-	-	-	-	-	-
50 to 99 lb	-	-	-	-	-	-	-	-	-
100 to 499 lb	-	-	-	-	-	-	-	-	-
500 to 749 lb	-	-	-	-	-	-	-	-	-
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	S	S	S	-	-	-	-	-	-
10,000 to 49,999 lb	-	-	-	-	-	-	-	-	-
50,000 to 99,999 lb	-	-	-	-	-	-	-	-	-
100,000 lb or more	-	-	-	-	-	-	-	-	-
SCTG 03, Other agricultural products	S	S	S	2	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	-	-	-	-	-	-
100 to 499 lb	S	S	S	-	-	-	S	S	S
500 to 749 lb	S	S	S	-	-	-	-	-	-
750 to 999 lb	S	S	S	S	S	S	-	-	-
1,000 to 9,999 lb	S	S	S	S	S	S	-	-	-
10,000 to 49,999 lb	S	S	S	-	-	-	S	S	S
50,000 to 99,999 lb	-	-	-	-	-	-	-	-	-
100,000 lb or more	-	-	-	-	-	-	-	-	-
SCTG 04, Animal feed and products of animal origin, n.e.c.	S	S	S	S	9	19	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	-	-	-	-	-	-
100 to 499 lb	S	S	S	-	-	-	S	S	S
500 to 749 lb	-	-	-	-	-	-	-	-	-
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	S	S	S	-	-	-	S	S	S
10,000 to 49,999 lb	-	-	-	S	S	S	16	5	18
50,000 to 99,999 lb	-	-	-	S	S	S	S	S	S
100,000 lb or more	-	-	-	-	-	-	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	224	65	91	51	15	29	131	45	137
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	139	S	S	30	8	17	61	16	48
10,000 to 49,999 lb	35	15	22	11	5	10	58	28	85
50,000 to 99,999 lb	-	-	-	-	-	-	-	-	-
100,000 lb or more	-	-	-	-	-	-	-	-	-
SCTG 06, Milled grain products and preparations, and bakery products	112	74	99	S	S	S	60	26	89
Less than 50 lb	S	S	S	-	-	-	S	S	S
50 to 99 lb	S	S	S	-	-	-	S	S	S
100 to 499 lb	S	S	S	-	-	-	S	S	S
500 to 749 lb	S	S	S	-	-	-	S	S	S
750 to 999 lb	S	S	S	-	-	-	S	S	S
1,000 to 9,999 lb	32	13	18	S	S	S	S	S	S
10,000 to 49,999 lb	78	58	78	18	16	33	22	12	36
50,000 to 99,999 lb	-	-	-	-	-	-	-	-	-
100,000 lb or more	S	S	S	-	-	-	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	561	297	389	S	57	93	213	94	265
Less than 50 lb	S	S	S	S	S	S	4	1	1
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	2	—	1	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	2	S	S
1,000 to 9,999 lb	S	37	50	14	5	10	S	19	55
10,000 to 49,999 lb	232	247	321	S	S	S	83	62	173
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 08, Alcoholic beverages	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	26	3	4	16	S	S	61	2	7
Less than 50 lb	S	S	S	S	S	S	8	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	16	1	2
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	10	39	62	12	11	23	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	3	S	S	S	S	S
10,000 to 49,999 lb	2	19	29	S	10	20	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	2	17	28	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	S	S	S	—	—	—	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	—	—	—	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 15, Coal	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 20, Basic chemicals	143	S	S	98	28	57	154	34	101
Less than 50 lb	6	—	—	15	—	—	S	—	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	35	9	12	S	S	S	S	3	9
10,000 to 49,999 lb	S	S	S	53	23	47	75	30	89
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 21, Pharmaceutical products	S	16	23	S	8	14	S	12	33
Less than 50 lb	S	4	6	S	1	2	S	4	10
50 to 99 lb	S	S	S	S	S	S	64	—	—
100 to 499 lb	99	S	S	S	S	S	325	4	11
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	25	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	S	S	S	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	280	44	61	49	9	18	381	118	359
Less than 50 lb	49	1	1	16	—	—	S	—	1
50 to 99 lb	3	—	—	2	—	—	S	—	—
100 to 499 lb	31	3	5	5	1	1	12	1	4
500 to 749 lb	23	3	4	S	S	S	4	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	123	22	30	S	3	6	47	7	20
10,000 to 49,999 lb	S	S	S	7	S	S	282	107	326
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 24, Plastics and rubber	722	147	207	388	70	138	949	210	617
Less than 50 lb	81	3	4	51	1	1	96	2	6
50 to 99 lb	S	1	2	S	2	3	S	S	S
100 to 499 lb	109	10	14	55	5	9	118	7	21
500 to 749 lb	38	4	5	10	1	3	43	3	8
750 to 999 lb	11	2	3	8	1	1	36	3	8
1,000 to 9,999 lb	286	51	72	100	15	30	292	S	S
10,000 to 49,999 lb	166	69	97	118	42	82	295	125	370
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 25, Logs and other wood in the rough	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 26, Wood products	211	180	267	47	44	84	206	145	446
Less than 50 lb	6	S	S	1	—	—	4	—	1
50 to 99 lb	2	S	S	S	—	—	2	—	1
100 to 499 lb	12	2	3	3	—	1	9	1	3
500 to 749 lb	3	1	1	—	—	—	S	S	S
750 to 999 lb	S	S	S	1	—	1	S	S	S
1,000 to 9,999 lb	17	7	10	S	S	S	S	5	14
10,000 to 49,999 lb	112	75	104	12	19	37	82	72	218
50,000 to 99,999 lb	13	15	23	S	S	S	S	S	S
100,000 lb or more	28	79	124	S	S	S	S	60	192
SCTG 27, Pulp, newsprint, paper, and paperboard	1 301	1 204	1 724	208	134	276	402	289	944
Less than 50 lb	2	—	—	S	S	S	S	—	—
50 to 99 lb	3	—	—	S	S	S	2	—	—
100 to 499 lb	13	2	2	6	1	1	23	2	5
500 to 749 lb	S	1	1	S	S	S	S	S	S
750 to 999 lb	5	S	S	S	S	S	1	—	1
1,000 to 9,999 lb	78	18	24	26	8	14	60	19	55
10,000 to 49,999 lb	677	609	817	164	111	223	244	132	392
50,000 to 99,999 lb	S	26	40	—	—	—	—	—	—
100,000 lb or more	473	543	833	S	S	S	S	S	S
SCTG 28, Paper or paperboard articles	342	105	149	75	22	42	S	S	S
Less than 50 lb	21	1	2	23	1	2	30	1	3
50 to 99 lb	3	S	1	S	—	1	S	1	2
100 to 499 lb	33	5	7	6	1	2	23	3	9
500 to 749 lb	15	S	S	S	S	S	S	S	S
750 to 999 lb	4	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	63	20	28	18	7	13	S	S	S
10,000 to 49,999 lb	202	74	106	20	12	24	95	33	98
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	737	73	101	254	29	55	941	46	136
Less than 50 lb	407	14	20	109	5	9	680	14	41
50 to 99 lb	52	3	4	S	1	2	S	S	S
100 to 499 lb	99	9	12	56	4	8	73	7	22
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	3	1	1	S	S	S	—	—	—
1,000 to 9,999 lb	48	9	12	12	3	6	S	11	33
10,000 to 49,999 lb	93	35	47	S	S	S	24	7	22
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	2 336	144	204	784	48	94	1 555	98	317
Less than 50 lb	711	15	22	264	6	12	545	11	32
50 to 99 lb	155	5	6	46	1	2	95	3	9
100 to 499 lb	272	13	18	98	4	9	259	11	33
500 to 749 lb	S	5	6	S	2	4	61	4	11
750 to 999 lb	39	5	6	8	1	1	50	4	12
1,000 to 9,999 lb	540	44	61	190	20	40	298	29	86
10,000 to 49,999 lb	508	56	81	S	13	25	243	36	134
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 31, Nonmetallic mineral products	115	S	S	85	18	38	112	S	S
Less than 50 lb	28	2	2	S	1	1	71	3	8
50 to 99 lb	5	—	—	S	S	S	6	—	1
100 to 499 lb	13	1	2	8	1	1	6	—	1
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	11	8	12	S	2	4	16	11	32
10,000 to 49,999 lb	38	41	58	S	S	S	12	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	540	216	317	158	S	S	878	344	983
Less than 50 lb	23	1	1	6	—	—	S	—	1
50 to 99 lb	12	—	—	S	S	S	S	—	1
100 to 499 lb	64	3	4	18	1	1	91	2	6
500 to 749 lb	S	2	3	S	S	S	4	—	1
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	164	66	89	S	14	27	172	32	97
10,000 to 49,999 lb	125	71	97	34	13	S	153	86	243
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 33, Articles of base metal	577	76	105	221	42	83	445	S	S
Less than 50 lb	123	3	5	50	1	3	133	3	8
50 to 99 lb	34	2	3	S	—	1	27	1	3
100 to 499 lb	184	14	19	42	2	5	100	6	17
500 to 749 lb	72	8	11	15	1	2	27	3	8
750 to 999 lb	10	1	1	S	S	S	20	S	S
1,000 to 9,999 lb	113	23	33	S	S	S	105	18	53
10,000 to 49,999 lb	41	26	33	28	16	32	29	8	24
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 34, Machinery	1 622	42	62	514	23	45	1 930	41	120
Less than 50 lb	313	2	2	91	1	1	357	2	5
50 to 99 lb	153	1	2	42	—	1	S	1	4
100 to 499 lb	395	7	10	85	2	4	S	4	10
500 to 749 lb	S	3	4	S	1	1	72	3	7
750 to 999 lb	23	S	S	S	S	S	16	1	2
1,000 to 9,999 lb	S	20	28	207	15	28	256	8	25
10,000 to 49,999 lb	S	S	S	S	4	7	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	6 155	92	130	3 865	105	203	9 357	109	317
Less than 50 lb	2 196	7	10	1 677	3	7	3 508	10	29
50 to 99 lb	1 069	6	8	199	2	4	1 216	4	12
100 to 499 lb	S	19	28	684	11	22	2 392	16	46
500 to 749 lb	108	4	6	161	3	6	436	4	12
750 to 999 lb	S	5	7	20	1	3	S	2	7
1,000 to 9,999 lb	716	35	49	881	51	99	1 279	41	121
10,000 to 49,999 lb	143	15	21	S	S	S	190	31	90
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	519	36	48	106	11	21	203	19	54
Less than 50 lb	S	1	2	12	—	1	38	1	2
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	92	6	8	S	2	3	S	S	S
500 to 749 lb	S	S	S	S	—	1	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	27	4	7	21	2	6
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	424	5	7	52	S	S	775	3	10
Less than 50 lb	218	—	1	37	—	S	291	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	1	1	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	25	1	1	S	S	1	S	1	2
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	1 901	15	21	1 346	14	28	2 058	14	40
Less than 50 lb	919	4	5	673	2	3	1 281	3	8
50 to 99 lb	211	1	2	51	—	1	326	1	4
100 to 499 lb	638	5	7	196	1	3	217	3	9
500 to 749 lb	S	S	S	S	S	S	S	—	1
750 to 999 lb	S	—	1	S	S	S	S	—	1
1,000 to 9,999 lb	73	3	5	S	S	S	160	5	13
10,000 to 49,999 lb	—	—	—	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	231	28	39	79	9	18	136	20	63
Less than 50 lb	48	S	S	4	—	—	S	S	S
50 to 99 lb	S	—	—	S	—	—	3	—	1
100 to 499 lb	37	4	5	19	2	3	18	2	5
500 to 749 lb	14	1	2	S	S	S	8	1	3
750 to 999 lb	S	1	2	S	S	S	S	S	S
1,000 to 9,999 lb	51	5	8	S	2	4	58	7	21
10,000 to 49,999 lb	64	14	19	S	4	8	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	2 099	131	190	1 260	S	S	3 459	159	460
Less than 50 lb	845	14	19	423	5	11	1 307	15	43
50 to 99 lb	150	7	9	159	4	7	181	6	16
100 to 499 lb	441	19	27	245	14	28	1 036	17	54
500 to 749 lb	58	5	6	39	2	4	S	4	11
750 to 999 lb	45	2	4	S	S	S	65	3	8
1,000 to 9,999 lb	406	38	55	326	24	50	421	35	106
10,000 to 49,999 lb	132	32	45	S	S	S	S	14	43
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	95	109	154	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	S	S	S
10,000 to 49,999 lb	42	56	76	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	S	S	S	S	S	S	4	S	S
Less than 50 lb	S	—	—	S	S	S	S	—	—
50 to 99 lb	—	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	191	S	S	S	S	S	151	S	S
Less than 50 lb	22	1	1	14	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	1	1	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	1	1	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in

1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

Item	1993	1997
1. Industry coverage	Manufacturers (minor exceptions) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses Auxiliaries (e.g., warehouses)
2. Commodity classification system	Standard Transportation Commodity Classification (STCC), developed by the American Association of Railroads (AAR).	Standard Classification of Transported Goods (SCTG).
3. Sample size	Approximately 200,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1992 Standard Statistical Establishment List (SSEL).	Approximately 100,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1995 Standard Statistical Establishment List (SSEL).
4. Survey methodology	Respondents took a sample of their individual outbound shipments for a 2-week period during each of the four calendar quarters of 1993. Respondents reported key characteristics for each sampled shipment.	Respondents took a sample of their individual outbound shipments for a 1-week period during each of the four calendar quarters of 1997. Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	For each shipment: Total value Total weight Major commodity (STCC) All modes of transportation Multiple origins (respondents specifically requested to report all shipment origins for the sampled establishment and report the appropriate origin for each shipment; assumed to always be the mailing address if no other origins listed). Destination Containerized (Y/N) Hazardous material (Y/N) Export (Y/N) If export, mode of export, foreign country, and city of destination.	For each shipment: Total value Total weight Major commodity (SCTG) All modes of transportation Single origin (assumed to be the mailing address unless the respondent provided a different physical location address). Destination Containerized (Y/N) Hazardous material (UN/NA codes) Export (Y/N) If export, mode of export, foreign country, and city of destination.

Appendix B. Reliability of the Estimates

An estimate based on a sample survey potentially contains two types of errors—sampling and nonsampling. Sampling error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The bias of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. Variance is the squared difference, averaged over all possible samples of the same size and design, between an estimator and its average value. Descriptions of sampling and nonsampling errors for the 1997 Commodity Flow Survey (CFS) are provided in the following sections.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of all the shipments made in 1997 from all establishments included on the CFS sampling frame is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling. (See Appendix C for a description of the sample design.)

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the

sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

An estimate of an unknown population value and its approximate standard error can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability, or confidence, of containing the unknown population value. If, for each possible sample, an estimate of an unknown population value and the estimate's approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the unknown population value.
2. For approximately 95 percent of the possible samples, the interval from two standard errors below to two standard errors above the estimate would include the unknown population value.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources: (1) nonresponse, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) other errors of collection, response, coverage, and processing. Although no direct measurement of the potential biases because of nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize its influence.

A potentially large source of bias in the estimates is due to nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all the selected establishments. Four levels of nonresponse can occur in the CFS: item, shipment, quarter (reporting week), and establishment. Item nonresponse

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been

returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

Some possible sources of bias that are attributed to respondent-conducted sampling include misunderstanding the definition of a shipment, constructing an incomplete frame of shipments from which to sample, ordering the shipment sampling frame by selected shipment characteristics, and selecting shipment records by a method other than the one specified in the questionnaire's instructions. We often contacted respondents who reported shipments having atypically large value or weight when compared to the rest of their reported shipments. Upon contact, if we are able to collect information on all of a given respondent's large shipments made either for a particular reporting week or for the entire quarter, then we identify these large shipments as certainty shipments. (See Appendix C for a description of how certainty shipments are used in the estimation process.)

Table B–1a. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	3.8	—	8.4	—	8.8	—	4.3
Single modes	3.2	.9	8.6	.3	10.0	1.8	5.1
Truck	3.2	1.2	8.8	1.1	8.9	3.3	6.9
For-hire truck	4.8	1.4	19.4	3.1	5.3	3.1	5.8
Private truck	4.6	1.0	10.0	3.3	21.2	3.5	8.1
Rail	13.2	.2	36.2	.8	38.1	3.3	5.8
Water	1.0	—	S	S	S	S	S
Shallow draft	43.8	—	S	S	S	S	49.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	1.0	—	S	S	S	S	S
Air (includes truck and air)	12.5	.6	35.9	—	49.6	.3	3.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	7.4	.9	10.4	.1	21.9	1.2	3.9
Parcel, U.S. Postal Service or courier	7.4	.9	5.8	—	8.2	.5	3.9
Truck and rail	37.1	.1	26.0	—	26.1	.4	10.7
Truck and water	26.2	—	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	9.5	.3	16.7	.3	26.8	1.4	22.1

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	3.8	3.6	6.5	8.4	11.0	15.2	8.8	4.1	14.0	4.3	8.6	9.2
Single modes	3.2	4.4	6.5	8.6	11.3	15.5	10.0	4.4	15.6	5.1	8.8	9.2
Truck	3.2	4.2	6.0	8.8	11.4	15.3	8.9	4.6	12.9	6.9	7.0	9.4
For-hire truck	4.8	6.1	8.2	19.4	9.0	22.4	5.3	4.4	7.7	5.8	6.1	7.2
Private truck	4.6	4.0	7.4	10.0	14.8	18.5	21.2	9.2	37.6	8.1	8.9	11.7
Rail	13.2	14.8	29.8	36.2	18.4	76.1	38.1	11.6	88.5	5.8	10.5	13.7
Water	1.0	S	S	S	S	S	S	S	S	S	S	S
Shallow draft	43.8	S	S	S	S	S	S	S	S	49.6	22.4	196.7
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	1.0	S	S	S	S	S	S	S	S	S	22.2	S
Air (includes truck and air)	12.5	14.7	37.3	35.9	14.7	102.4	49.6	13.5	153.7	3.5	2.0	3.9
Pipeline	S	S	S	S	S	S	S	S	S	S	S	S
Multiple modes	7.4	4.1	12.9	10.4	8.5	16.1	21.9	11.0	47.9	3.9	4.8	6.3
Parcel, U.S. Postal Service or courier	7.4	4.2	12.9	5.8	6.8	10.6	8.2	7.9	15.9	3.9	4.8	6.3
Truck and rail	37.1	30.9	171.1	26.0	24.4	22.9	26.1	26.6	57.5	10.7	17.7	28.0
Truck and water	26.2	33.4	145.9	S	42.7	S	S	S	S	S	38.6	S
Rail and water	—	—	—	—	—	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S	S	S	22.4	22.4	2.2
Other and unknown modes ...	9.5	13.4	15.1	16.7	20.1	25.9	26.8	29.3	59.6	22.1	S	S

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1c. **Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Division: Percent of Total 1997 and 1993**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes	.9	.9	.3	.4	1.8	1.3
Truck	1.2	.9	1.1	.6	3.3	1.8
For-hire truck	1.4	1.2	3.1	2.2	3.1	1.9
Private truck	1.0	1.2	3.3	2.2	3.5	1.6
Rail	.2	.1	.8	.3	3.3	1.1
Water	—	S	S	S	S	S
Shallow draft	—	S	S	S	S	S
Great Lakes	—	—	—	—	—	—
Deep draft	—	S	S	S	S	S
Air (includes truck and air)	.6	.4	—	—	.3	—
Pipeline	S	S	S	S	S	S
Multiple modes	.9	.8	.1	—	1.2	.4
Parcel, U.S. Postal Service or courier	.9	.8	—	—	.5	.2
Truck and rail	.1	—	—	—	.4	.3
Truck and water	—	—	S	—	S	S
Rail and water	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S
Other and unknown modes	.3	.6	.3	.3	1.4	1.2

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-2. **Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Division: 1997**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	8.8	—	4.3
Truck	8.9	3.3	6.9
Rail	35.5	3.3	6.5
Shallow draft	S	S	18.5
Great Lakes	—	—	—
Deep draft	S	S	23.7
Air	S	S	3.7
Parcel, U.S. Postal Service or courier	8.2	.5	3.9
Pipeline	S	S	S
Other and unknown modes	26.8	1.4	22.1

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	3.8	—	8.4	—	8.8	—
Less than 50 miles	4.7	.9	10.6	2.8	8.9	.8
50 to 99 miles	5.4	.6	16.8	1.4	16.7	.9
100 to 249 miles	6.3	.7	19.4	1.7	20.5	2.1
250 to 499 miles	6.9	.4	26.2	.7	32.5	1.8
500 to 749 miles	5.2	.3	7.5	.2	7.9	1.0
750 to 999 miles	4.5	.3	34.4	.7	33.4	3.2
1,000 to 1,499 miles	5.8	.3	6.4	.1	6.7	1.0
1,500 to 1,999 miles	11.1	.4	36.2	.3	40.1	1.9
2,000 miles or more	10.0	.6	11.0	.1	11.4	1.6
Single modes	3.2	—	8.6	—	10.0	—
Less than 50 miles	4.9	1.1	10.7	2.9	9.0	.9
50 to 99 miles	5.7	.7	17.2	1.5	17.1	1.0
100 to 249 miles	6.4	.8	20.2	1.7	21.3	2.3
250 to 499 miles	7.7	.5	26.9	.7	33.2	1.9
500 to 749 miles	7.2	.4	8.2	.2	8.5	1.1
750 to 999 miles	5.8	.4	37.7	.7	37.5	3.2
1,000 to 1,499 miles	7.9	.4	5.8	.1	6.3	1.0
1,500 to 1,999 miles	15.3	.4	43.5	.3	47.2	2.0
2,000 miles or more	9.7	.5	12.7	.1	13.2	1.7
Truck	3.2	—	8.8	—	8.9	—
Less than 50 miles	5.0	1.3	10.8	2.8	9.1	1.1
50 to 99 miles	6.5	.8	18.1	1.5	17.8	1.1
100 to 249 miles	7.1	.9	19.7	1.6	22.3	2.3
250 to 499 miles	7.8	.5	27.9	.8	35.0	2.2
500 to 749 miles	7.3	.4	7.3	.1	7.3	.7
750 to 999 miles	6.2	.4	9.0	.2	9.0	1.3
1,000 to 1,499 miles	6.8	.3	6.1	.1	6.7	.9
1,500 to 1,999 miles	11.0	.3	45.0	.3	48.9	2.1
2,000 miles or more	8.1	.3	12.2	—	12.0	1.5
For-hire truck	4.8	—	19.4	—	5.3	—
Less than 50 miles	11.7	1.2	31.2	4.5	26.3	.7
50 to 99 miles	11.8	1.2	28.8	1.0	28.2	.8
100 to 249 miles	9.2	1.1	10.2	1.7	10.4	.9
250 to 499 miles	9.0	1.0	10.3	1.3	9.5	1.0
500 to 749 miles	8.3	.7	6.5	.8	6.7	.8
750 to 999 miles	5.8	.5	8.7	.7	8.4	1.3
1,000 to 1,499 miles	7.6	.6	6.1	.5	6.7	1.1
1,500 to 1,999 miles	10.4	.4	19.9	.4	21.8	1.4
2,000 miles or more	7.7	.4	14.2	.4	14.1	2.0
Private truck	4.6	—	10.0	—	21.2	—
Less than 50 miles	5.2	1.5	12.2	3.6	10.0	4.2
50 to 99 miles	7.2	.8	18.5	1.9	18.6	2.5
100 to 249 miles	6.5	.6	31.1	1.9	35.3	3.7
250 to 499 miles	11.9	.2	S	S	S	S
500 to 749 miles	14.2	.2	22.2	—	22.6	.6
750 to 999 miles	22.0	.4	29.0	.1	28.9	1.4
1,000 to 1,499 miles	17.3	.2	16.6	—	16.1	.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	23.2	.2	41.4	—	39.2	.9
Rail	13.2	—	36.2	—	38.1	—
Less than 50 miles	S	S	S	S	40.1	.1
50 to 99 miles	36.3	.5	36.7	1.2	S	S
100 to 249 miles	29.8	1.8	S	S	S	S
250 to 499 miles	34.3	2.7	18.8	2.9	19.6	1.9
500 to 749 miles	32.9	1.7	23.6	2.2	24.0	2.3
750 to 999 miles	23.3	4.6	S	S	S	S
1,000 to 1,499 miles	17.0	2.8	14.0	3.0	14.8	4.2
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	29.7	2.5	46.0	1.6	47.8	3.6
Water	1.0	—	S	S	S	S
Less than 50 miles	—	.8	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Shallow draft	43.8	—	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	1.0	—	S	S	S	S
Less than 50 miles	—	.8	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Air (includes truck and air)	12.5	—	35.9	—	49.6	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	15.6	1.1	26.2	3.6	36.7	1.2
100 to 249 miles	22.5	2.3	27.5	3.2	24.1	1.0
250 to 499 miles	29.3	1.3	S	S	S	S
500 to 749 miles	39.8	2.9	38.4	2.9	39.0	2.6
750 to 999 miles	17.9	2.0	28.6	2.9	33.4	3.2
1,000 to 1,499 miles	19.3	2.5	19.2	3.8	19.6	4.2
1,500 to 1,999 miles	42.5	2.9	21.4	1.5	22.9	2.1
2,000 miles or more	18.5	2.9	S	S	S	S
Pipeline	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	—	—	—	—	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	7.4	—	10.4	—	21.9	—
Less than 50 miles	8.1	1.0	12.9	2.0	19.1	.2
50 to 99 miles	10.6	.6	12.4	1.1	14.3	.2
100 to 249 miles	9.4	1.0	10.9	1.5	11.2	.5
250 to 499 miles	9.8	.5	9.2	.5	8.7	.4
500 to 749 miles	5.7	.6	8.8	.5	8.7	.5
750 to 999 miles	9.4	.6	S	S	S	S
1,000 to 1,499 miles	12.7	.7	7.4	.8	8.2	1.2
1,500 to 1,999 miles	11.1	.3	25.4	.9	18.8	1.3
2,000 miles or more	13.3	1.1	12.4	1.9	11.7	4.1
Parcel, U.S. Postal Service or courier	7.4	—	5.8	—	8.2	—
Less than 50 miles	8.2	1.1	11.8	1.8	12.1	.1
50 to 99 miles	10.6	.6	12.0	1.0	11.9	.1
100 to 249 miles	9.6	1.0	11.5	1.3	11.6	.5
250 to 499 miles	9.8	.5	9.2	.5	8.7	.4
500 to 749 miles	5.7	.6	8.9	.5	8.8	.7
750 to 999 miles	9.0	.6	7.2	.7	7.2	.7
1,000 to 1,499 miles	12.7	.7	6.3	.9	6.1	1.2
1,500 to 1,999 miles	11.3	.3	13.6	.5	13.6	1.2
2,000 miles or more	13.8	1.0	17.2	1.6	17.5	2.6
Truck and rail	37.1	—	26.0	—	26.1	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	47.5	1.7	S	S	S	S
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	39.1	3.1	39.7	1.7
1,000 to 1,499 miles	47.2	2.8	S	S	S	S
1,500 to 1,999 miles	43.5	5.6	S	S	S	S
2,000 miles or more	42.3	8.2	25.4	7.1	24.0	7.3
Truck and water	26.2	—	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	34.3	8.1	29.7	9.2	29.0	9.9
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	44.6	8.8	47.7	9.3	47.0	11.1

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other and unknown modes	9.5	—	16.7	—	26.8	—
Less than 50 miles	15.3	4.5	15.1	5.0	21.0	.8
50 to 99 miles	16.2	1.6	22.8	1.4	23.8	.5
100 to 249 miles	17.0	1.7	23.3	2.4	23.9	1.4
250 to 499 miles	33.0	2.6	17.5	.9	17.9	1.5
500 to 749 miles	19.1	.8	40.6	1.0	42.1	1.2
750 to 999 miles	18.1	.8	36.0	1.8	35.6	3.7
1,000 to 1,499 miles	16.7	1.6	47.5	3.8	47.2	4.8
1,500 to 1,999 miles	43.9	2.3	39.4	1.4	38.8	4.2
2,000 miles or more	23.8	1.0	39.4	1.2	38.4	4.1

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	3.8	—	8.4	—	8.8	—	4.3
Less than 50 lb	7.5	.9	6.8	—	5.5	.2	4.9
50 to 99 lb	7.9	.4	6.3	—	7.2	—	7.9
100 to 499 lb	6.7	.8	4.2	.2	4.7	.2	6.3
500 to 749 lb	8.2	.4	5.8	—	4.5	.1	5.3
750 to 999 lb	8.8	.3	5.4	—	21.2	.4	13.1
1,000 to 9,999 lb	4.2	.7	4.2	.8	7.3	1.2	7.3
10,000 to 49,999 lb	4.5	1.1	10.8	3.2	6.8	3.2	6.9
50,000 to 99,999 lb	10.7	.2	15.8	2.3	28.4	1.8	19.6
100,000 lb or more	16.3	.5	19.8	2.5	21.5	3.8	18.3
Single modes	3.2	—	8.6	—	10.0	—	5.1
Less than 50 lb	8.7	.8	12.7	—	8.7	—	9.4
50 to 99 lb	11.8	.5	9.0	—	10.7	—	9.9
100 to 499 lb	7.1	.8	5.1	.2	5.7	.2	6.9
500 to 749 lb	9.0	.4	6.1	—	5.0	.1	6.2
750 to 999 lb	9.7	.4	5.6	—	8.3	—	6.9
1,000 to 9,999 lb	4.2	.8	4.3	.9	7.6	1.3	7.4
10,000 to 49,999 lb	4.3	1.3	11.0	3.2	7.2	3.5	7.2
50,000 to 99,999 lb	11.1	.3	15.9	2.4	31.2	2.0	18.2
100,000 lb or more	16.4	.6	20.3	2.5	23.8	4.1	19.3
Truck	3.2	—	8.8	—	8.9	—	6.9
Less than 50 lb	10.4	.7	13.0	—	9.4	—	12.8
50 to 99 lb	14.5	.5	9.0	—	9.9	—	10.3
100 to 499 lb	6.7	.8	5.1	.2	5.6	.2	7.0
500 to 749 lb	9.4	.5	6.0	—	5.0	.1	6.3
750 to 999 lb	7.4	.2	5.6	—	8.4	.1	6.9
1,000 to 9,999 lb	4.3	.9	4.4	.9	6.1	1.4	5.7
10,000 to 49,999 lb	4.3	1.4	11.0	3.3	7.2	3.7	7.0
50,000 to 99,999 lb	11.1	.4	15.9	2.5	32.1	2.4	18.7
100,000 lb or more	35.5	.6	23.3	2.4	31.7	3.7	20.9
For-hire truck	4.8	—	19.4	—	5.3	—	5.8
Less than 50 lb	15.5	.9	27.4	—	12.2	—	15.7
50 to 99 lb	26.2	.8	28.9	—	12.8	—	14.9
100 to 499 lb	10.9	1.3	8.3	.3	6.5	.2	6.4
500 to 749 lb	16.5	.7	6.7	—	5.9	—	5.1
750 to 999 lb	10.4	.3	6.8	—	10.0	—	5.5
1,000 to 9,999 lb	5.2	1.4	6.7	1.4	7.7	1.4	4.2
10,000 to 49,999 lb	6.3	1.8	18.5	2.7	6.4	2.8	10.1
50,000 to 99,999 lb	22.4	.3	39.8	3.7	21.9	1.2	17.2
100,000 lb or more	42.9	.8	22.3	1.7	33.6	3.2	25.5
Private truck	4.6	—	10.0	—	21.2	—	8.1
Less than 50 lb	10.5	.8	11.3	—	11.8	—	14.8
50 to 99 lb	7.0	.3	7.3	—	12.0	—	9.4
100 to 499 lb	8.1	.9	6.8	.2	11.7	.3	7.5
500 to 749 lb	12.4	.6	8.3	.1	15.3	.2	10.2
750 to 999 lb	8.4	.3	7.2	.1	12.1	.2	6.4
1,000 to 9,999 lb	6.0	1.2	5.7	1.2	9.0	2.4	8.8
10,000 to 49,999 lb	6.2	1.5	15.0	3.9	18.7	5.4	9.5
50,000 to 99,999 lb	14.2	.6	15.0	2.5	44.1	3.6	23.1
100,000 lb or more	38.6	.6	31.6	3.2	47.0	6.1	20.6
Rail	13.2	—	36.2	—	38.1	—	5.8
Less than 50 lb	S	S	46.2	—	S	S	21.7
50 to 99 lb	S	S	S	S	S	S	21.7
100 to 499 lb	S	S	S	S	S	S	21.4
500 to 749 lb	S	S	S	S	S	S	22.0
750 to 999 lb	S	S	S	S	S	S	23.4
1,000 to 9,999 lb	S	S	S	S	S	S	20.5
10,000 to 49,999 lb	36.6	5.0	27.0	1.2	32.3	2.2	13.0
50,000 to 99,999 lb	41.0	1.3	49.7	1.7	28.6	1.3	18.6
100,000 lb or more	16.5	5.6	38.4	2.4	41.0	2.7	7.3
Water	1.0	—	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	33.6
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	22.4
500 to 749 lb	S	S	S	S	S	S	22.0
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	22.1
10,000 to 49,999 lb	S	S	S	S	S	S	22.0
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	.9	.4	S	S	S	S	48.9
Shallow draft	43.8	—	S	S	S	S	49.6
Less than 50 lb	S	S	S	S	S	S	24.0
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	25.8
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	1.0	—	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	22.4
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	22.4
10,000 to 49,999 lb	S	S	S	S	S	S	22.0
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	.9	.4	S	S	S	S	48.9
Air (includes truck and air)	12.5	—	35.9	—	49.6	—	3.5
Less than 50 lb	17.9	3.7	15.4	2.3	15.8	3.4	3.8
50 to 99 lb	19.7	2.2	18.7	1.2	19.8	1.5	5.6
100 to 499 lb	22.8	3.6	29.8	3.4	16.0	5.1	7.4
500 to 749 lb	43.4	2.9	42.7	2.7	37.6	2.8	11.3
750 to 999 lb	48.6	3.3	21.5	1.5	21.1	.9	18.2
1,000 to 9,999 lb	24.0	1.4	S	S	S	S	11.9
10,000 to 49,999 lb	40.4	.1	33.2	2.1	37.5	1.9	21.0
50,000 to 99,999 lb	S	S	47.9	3.4	S	S	23.8
100,000 lb or more	S	S	S	S	S	S	21.2
Pipeline	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	S	S	S
100 to 499 lb	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	—	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S
Multiple modes	7.4	—	10.4	—	21.9	—	3.9
Less than 50 lb	9.0	1.7	6.3	2.3	6.4	2.6	4.0
50 to 99 lb	7.7	.6	5.5	.9	7.6	1.1	5.7
100 to 499 lb	10.4	1.4	10.2	2.1	8.2	2.3	8.3
500 to 749 lb	19.2	.6	19.5	.8	28.0	1.1	14.7
750 to 999 lb	19.2	.2	37.1	1.7	S	S	13.5
1,000 to 9,999 lb	S	S	27.9	.2	S	S	27.5
10,000 to 49,999 lb	45.6	.3	26.9	2.8	24.6	4.0	16.8
50,000 to 99,999 lb	46.2	—	40.5	1.1	S	S	29.7
100,000 lb or more	36.6	—	S	S	S	S	18.2
Parcel, U.S. Postal Service or courier	7.4	—	5.8	—	8.2	—	3.9
Less than 50 lb	9.0	1.6	6.3	1.7	6.4	1.8	4.0
50 to 99 lb	7.6	.7	5.5	1.0	7.6	1.3	5.7
100 to 499 lb	10.5	1.5	10.3	1.9	8.2	2.0	8.2
500 to 749 lb	19.3	.6	19.5	1.0	28.3	1.1	14.6
750 to 999 lb	19.2	.2	37.2	1.8	S	S	13.3
1,000 to 9,999 lb	44.2	—	S	S	S	S	24.8
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	37.1	—	26.0	—	26.1	—	10.7
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	23.0
500 to 749 lb	S	S	S	S	S	S	23.6
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	36.7	5.9	34.7	5.3	18.1
10,000 to 49,999 lb	S	S	30.7	5.6	28.0	6.4	10.6
50,000 to 99,999 lb	46.1	3.6	42.1	4.0	S	S	28.7
100,000 lb or more	42.3	2.7	35.4	3.3	37.2	3.5	18.5
Truck and water	26.2	—	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	21.7
10,000 to 49,999 lb	48.1	10.3	46.0	11.2	49.2	11.1	37.3
50,000 to 99,999 lb	48.7	6.1	49.4	4.9	49.4	5.1	20.5
100,000 lb or more	S	S	S	S	S	S	31.7

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Other and unknown modes	9.5	—	16.7	—	26.8	—	22.1
Less than 50 lb	17.3	3.1	25.9	.9	41.7	.2	26.5
50 to 99 lb	17.3	1.0	20.0	.2	26.4	—	37.2
100 to 499 lb	15.4	1.7	15.4	.6	28.2	.4	27.4
500 to 749 lb	S	S	23.8	.3	37.4	.2	S
750 to 999 lb	29.9	.3	36.6	.3	S	S	18.8
1,000 to 9,999 lb	16.4	4.2	14.1	4.6	19.2	5.4	17.1
10,000 to 49,999 lb	19.9	2.8	22.7	4.2	34.8	4.1	14.2
50,000 to 99,999 lb	23.3	.3	33.4	2.1	48.2	2.8	20.8
100,000 lb or more	49.4	1.6	39.7	3.9	S	S	20.3

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	3.8	—	8.4	—	8.8	—	4.3
01	Live animals and live fish	S	S	S	S	S	S	S
02	Cereal grains	S	S	40.4	—	46.3	—	22.4
03	Other agricultural products	21.9	.2	31.1	.5	32.9	.5	20.0
04	Animal feed and products of animal origin, n.e.c.	S	S	S	S	S	S	S
05	Meat, fish, seafood, and their preparations	11.3	.2	15.1	.2	24.9	.4	16.9
06	Milled grain products and preparations, and bakery products	24.3	.4	28.9	.3	23.3	.4	23.3
07	Other prepared foodstuffs and fats and oils	10.9	.3	13.7	.7	12.4	.6	19.9
08	Alcoholic beverages	8.8	.1	9.6	.2	29.6	.2	5.6
09	Tobacco products	18.3	.2	26.5	—	26.4	—	49.4
10	Monumental or building stone	17.9	—	23.8	—	42.7	—	20.3
11	Natural sands	26.0	—	32.5	1.5	23.2	.5	S
12	Gravel and crushed stone	13.0	—	14.5	2.4	24.8	1.1	39.7
13	Nonmetallic minerals n.e.c.	22.1	—	35.9	.4	20.9	.2	43.1
14	Metallic ores and concentrates	S	S	47.3	—	S	S	21.5
15	Coal	S	S	S	S	S	S	22.0
17	Gasoline and aviation turbine fuel	11.3	.1	12.0	1.0	21.9	.3	7.6
18	Fuel oils	16.9	.1	21.9	1.0	43.3	.7	20.3
19	Coal and petroleum products, n.e.c.	15.1	—	16.9	.5	17.9	—	36.5
20	Basic chemicals	12.2	.1	17.7	.1	26.3	.3	42.5
21	Pharmaceutical products	30.2	1.5	30.8	—	23.9	.1	19.1
22	Fertilizers	S	S	S	S	S	S	21.4
23	Chemical products and preparations, n.e.c.	13.1	.3	17.2	.2	26.6	.5	21.7
24	Plastics and rubber	7.0	.3	42.6	2.0	33.2	2.2	11.3
25	Logs and other wood in the rough	S	S	S	S	S	S	17.9
26	Wood products	9.1	.2	35.3	1.7	19.4	1.1	11.0
27	Pulp, newsprint, paper, and paperboard	10.3	.3	9.4	.4	14.3	1.9	17.6
28	Paper or paperboard articles	10.9	.3	9.5	.1	31.0	.5	15.3
29	Printed products	11.1	.3	10.2	.2	10.2	.1	18.1
30	Textiles, leather, and articles of textiles or leather	7.7	.5	8.1	—	11.5	.3	3.5
31	Nonmetallic mineral products	11.3	—	17.4	1.5	28.7	1.2	11.0
32	Base metal in primary or semifinished forms and in finished basic shapes	11.9	.4	30.2	.8	45.9	3.5	10.2
33	Articles of base metal	12.5	.4	16.9	.2	29.3	1.0	13.7
34	Machinery	9.5	.7	9.3	—	15.9	.2	10.9
35	Electronic and other electrical equipment and components and office equipment	11.5	2.0	10.9	—	10.9	.4	8.9
36	Motorized and other vehicles (including parts)	16.3	.5	23.3	.1	18.2	.1	44.2
37	Transportation equipment, n.e.c.	16.8	.4	11.3	—	16.7	—	18.2
38	Precision instruments and apparatus	12.6	.6	15.0	—	18.1	—	8.1
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	15.9	.2	11.9	—	15.6	—	12.9
40	Miscellaneous manufactured products	8.7	.5	34.6	.5	S	S	5.1
41	Waste and scrap	26.0	.2	36.9	1.3	29.0	1.9	25.1
43	Mixed freight	17.0	.2	25.3	.2	24.0	—	S
—	Commodity unknown	24.4	.1	49.8	.2	S	S	14.4

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	3.8	—	8.4	—	8.8	—	4.3
010	Live animals and live fish	S	S	S	S	S	S	S
021	Wheat	—	—	—	—	—	—	—
022	Corn, except sweet	S	S	S	S	S	S	22.0
029	Other cereal grains	S	S	43.6	—	46.3	—	22.0
031	Fresh or chilled potatoes (Irish potatoes), except sweet	49.8	—	44.3	—	S	S	S
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	40.0	.1	S	S	S	S	21.1
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	28.2
034	Soya beans	—	—	—	—	—	—	—
035	Oil seeds and nuts, except olives and soya beans	S	S	S	S	S	S	21.7
036	Bulbs, live plants, and seeds for sowing, n.e.c.	44.1	—	43.8	—	41.0	—	20.4
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	47.3	.1	S	S	48.8	.3	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	40.1	—	41.7	—	48.1	.2	21.0
042	Animal feed preparations	S	S	S	S	S	S	S
051	Meat including poultry, except preparations	18.5	.2	20.5	.1	19.9	—	21.0
052	Fish, except live, and seafood, except preparations	15.9	.1	21.8	—	30.2	.4	40.6
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	21.8
061	Wheat flour, groats, and meal	48.7	—	S	S	S	S	21.5
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	S	S	S	S	S	S	22.4
063	Food preparations of cereals, flour, starch, or milk	24.2	—	29.6	—	26.1	.1	34.1
064	Bakery products	26.1	.3	31.5	.2	32.5	.3	39.9
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	18.4	.1	20.6	.3	24.6	.1	42.4
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	20.6	.1	20.2	.1	25.5	.4	25.8
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	S	S	49.6	—	S	S	23.4
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	S	S	S	S	S	S	43.7
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	43.1	—	S	S	S	S	27.2
076	Confectionery, cocoa, and cocoa preparations	35.3	.1	34.5	—	38.3	.1	20.9
077	Edible preparations, n.e.c. and vinegar	34.3	.2	24.2	—	31.3	.3	14.7
078	Nonalcoholic beverages, n.e.c. and ice	29.6	.2	27.8	.5	26.3	.3	14.6
081	Malt Beer	12.6	.1	11.6	.2	33.3	.2	15.7
082	Wine and other fermented beverages	21.0	—	21.7	—	46.6	—	4.9
083	Spirituos beverages and ethyl alcohol	24.6	—	26.2	—	S	S	S
090	Tobacco products	18.3	.2	26.5	—	26.4	—	49.4
100	Monumental or building stone, except dolomite	17.9	—	23.8	—	42.7	—	20.3
110	Natural sands, except metal-bearing	26.0	—	32.5	1.5	23.2	.5	S
120	Gravel and crushed stone, except dolomite and slate	13.0	—	14.5	2.4	24.8	1.1	39.7
131	Salt	S	S	S	S	47.1	—	45.5
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	—	—	—	—	—	—	—
133	Dolomite	S	S	S	S	S	S	20.6
139	Other nonmetallic minerals	22.9	—	40.6	.4	23.7	.1	40.8
141	Iron ores and concentrates	S	S	S	S	S	S	22.2
149	Other metallic ores and concentrates	S	S	S	S	S	S	21.8
151	Nonagglomerated bituminous coal	S	S	S	S	S	S	22.4
159	Other coal	S	S	S	S	S	S	22.4
171	Gasoline	10.8	.1	11.6	.9	21.9	.3	7.9
172	Aviation turbine fuel (types A and B)	S	S	S	S	43.5	—	23.5
180	Fuel oils	16.9	.1	21.9	1.0	43.3	.7	20.3
191	Lubricating oils and greases	30.1	—	32.5	—	41.0	—	16.1
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	36.4	—	40.2	—	44.6	—	39.7
193	Gaseous hydrocarbons	S	S	S	S	49.3	—	S
199	Other products of petroleum refining, and coal products	18.1	—	18.4	.6	21.7	—	21.2
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	30.5	—	37.6	—	48.1	—	S
202	Inorganic chemicals, n.e.c.	24.6	—	25.8	.1	28.0	.1	40.5
203	Cyclic hydrocarbons	37.8	—	S	S	42.3	—	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	30.8	—	36.8	—	49.5	—	22.1
205	Organic chemicals, n.e.c.	13.9	—	26.4	—	42.5	.3	S
210	Pharmaceutical products	30.2	1.5	30.8	—	23.9	.1	19.1
220	Fertilizers and fertilizer materials	S	S	S	S	S	S	21.4
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	25.5	.1	35.3	.1	42.4	.2	S
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	33.8	.2	38.7	.1	44.1	.5	43.7
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	22.6	—	32.0	—	42.0	—	23.9
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	19.4	.1	19.8	—	33.7	—	20.3
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	48.8	—	S	S	45.6	—	46.3
239	Other chemical products and preparations	18.2	—	39.6	—	25.5	.1	25.0
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	21.9	.1	25.3	.1	26.7	.3	13.5
242	Manmade fibers and plastics basic shapes and articles	9.4	.3	12.1	.1	14.4	.6	10.9

See footnotes at end of table.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	19.0	.1	S	S	S	S	43.5
250	Logs and other wood in the rough	S	S	S	S	S	S	17.9
261	Wood chips or particles	44.1	—	S	S	41.1	.3	37.6
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	12.7	.1	13.4	.2	20.7	.6	15.3
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	21.5	—	19.3	.1	21.8	.2	S
264	Builders' joinery and carpentry of wood, except shingles and shakes	26.0	—	18.0	—	28.9	—	19.4
269	Other wood products	16.6	—	30.7	.1	30.6	.3	16.0
271	Pulp of fibrous cellulosic materials	S	S	45.0	.3	S	S	20.0
272	Newsprint in large rolls or sheets	33.9	—	41.4	—	S	S	23.5
273	Uncoated paper and paperboard in large rolls or sheets	14.8	.2	14.2	.2	20.0	.8	20.6
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	11.6	.2	13.5	.2	13.3	1.1	18.2
280	Paper or paperboard articles	10.9	.3	9.5	.1	31.0	.5	15.3
291	Printed books, brochures, leaflets, and similar printed products	18.5	.3	14.1	—	16.5	—	9.1
292	Newspapers, journals, and periodicals	14.3	.2	17.1	.2	20.1	—	S
293	Advertising material, commercial or trade catalogues, and similar printed products	25.2	.1	20.3	—	22.4	—	10.5
299	Other printed products	17.1	.1	20.9	—	23.5	—	27.7
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	14.4	.1	14.9	—	24.6	.1	10.3
302	Textile clothing and accessories, and headgear, except safety	12.9	.3	17.3	—	14.4	—	4.5
303	Textiles and textile articles, n.e.c.	8.7	.1	13.0	—	15.6	.2	6.0
304	Footwear	19.3	.2	20.7	—	22.7	—	4.9
305	Leather and articles, luggage of related materials, and dressed furskins and articles	13.5	—	16.7	—	19.0	—	22.1
311	Hydraulic cements	S	S	S	S	S	S	21.8
312	Ceramic products	23.3	—	35.1	.1	22.3	—	16.4
313	Glass and glass products	18.4	—	31.1	—	35.9	—	14.7
319	Other nonmetallic mineral products	14.4	—	18.2	1.5	35.2	1.2	30.5
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	21.3	—	36.5	—	34.4	.3	17.2
322	Flat-rolled products of iron or steel	12.7	—	S	S	S	S	16.1
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	25.0	.2	26.0	.2	41.0	.9	22.4
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	20.2	.3	31.4	.3	43.2	1.8	15.0
331	Pipes, tubes, and fittings	22.2	—	24.6	—	S	S	18.7
332	Structures and parts, except prefabricated buildings	25.6	—	34.9	—	31.6	.1	19.3
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	17.2	.3	27.6	—	19.4	.1	22.1
339	Other articles of metal	16.5	.2	34.5	.1	S	S	14.9
341	Internal-combustion piston engines	21.2	—	22.8	—	27.9	—	46.9
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	26.7	.6	20.5	—	45.5	—	14.8
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	23.9	.1	26.2	—	47.7	.1	18.6
344	Air-conditioning, refrigerating, or freezing equipment	37.7	—	36.5	—	S	S	21.9
345	Materials-handling, excavating, boring, and related machinery and equipment	20.8	—	23.7	—	26.4	—	S
349	Other machinery	10.3	.3	12.0	—	17.4	.2	13.5
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	22.7	.1	29.6	—	39.3	—	22.5
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	40.1	—	22.6	—	43.0	—	22.7
353	Line telephone or telegraph apparatus	37.8	.8	29.4	—	30.8	—	12.1
354	Electronic entertainment products, except parts	30.3	.2	37.3	—	41.9	—	14.2
355	Computer and office equipment	17.5	.9	19.0	—	22.9	—	8.4
356	Prepared unrecorded or prerecorded media	42.7	.4	44.8	—	S	S	9.3
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	26.7	.2	45.5	—	28.8	—	12.7
358	Electronic components and parts	19.1	1.0	35.1	—	27.5	—	7.4
359	Other electronic and electrical equipment	14.6	.7	13.3	—	14.8	.3	14.0
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	39.5	—	45.1	—	S	S	25.8
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	41.8	—	S	S	39.4	—	S
363	Other vehicles	23.8	—	30.0	—	38.0	—	33.9
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	19.4	.5	29.3	.1	19.1	.1	43.2
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	S	S	S	S	S	S	38.3
372	Aircraft and spacecraft	28.1	.4	28.8	—	29.7	—	19.7
373	Ships, boats, and floating structures	2.9	—	8.2	—	25.0	—	16.0
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	38.3	.2	27.2	—	29.5	—	6.4
382	Photographic and photocopying machines	41.0	.1	46.9	—	19.8	—	19.0
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	37.3	.1	48.6	—	46.8	—	16.1
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	18.4	.4	19.7	—	25.4	—	16.4

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	15.4	.3	16.7	—	23.1	—	7.0
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	15.9	.2	11.9	—	15.6	—	12.9
401	Arms and ammunition	15.8	—	S	S	21.2	—	7.7
402	Toys, games, and sporting equipment	15.6	.2	14.8	—	18.3	.2	6.0
409	Miscellaneous manufactured products	10.8	.6	37.4	.5	S	S	5.4
411	Metallic waste and scrap	29.0	.2	24.8	.5	31.8	1.4	46.1
412	Nonmetallic waste and scrap, except from food processing	S	S	S	S	S	S	10.7
439	Mixed freight	17.0	.2	25.3	.2	24.0	—	S
—	Commodity unknown	24.4	.1	49.8	.2	S	S	14.4

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	3.8	—	8.4	—	8.8	—	4.3
Single modes	3.2	.9	8.6	.3	10.0	1.8	5.1
Truck	3.2	1.2	8.8	1.1	8.9	3.3	6.9
For-hire truck	4.8	1.4	19.4	3.1	5.3	3.1	5.8
Private truck	4.6	1.0	10.0	3.3	21.2	3.5	8.1
Rail	13.2	.2	36.2	.8	38.1	3.3	5.8
Water	1.0	—	S	S	S	S	S
Shallow draft	43.8	—	S	S	S	S	49.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	1.0	—	S	S	S	S	S
Air (includes truck and air)	12.5	.6	35.9	—	49.6	.3	3.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	7.4	.9	10.4	.1	21.9	1.2	3.9
Parcel, U.S. Postal Service or courier	7.4	.9	5.8	—	8.2	.5	3.9
Truck and rail	37.1	.1	26.0	—	26.1	.4	10.7
Truck and water	26.2	—	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	9.5	.3	16.7	.3	26.8	1.4	22.1
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	S	S	S	S	S	S	S
Single modes	S	S	S	S	S	S	S
Truck	S	S	S	S	S	S	48.3
For-hire truck	S	S	S	S	S	S	25.4
Private truck	S	S	S	S	S	S	27.3
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	—	—	—	—	—	—	—
SCTG 02, CEREAL GRAINS							
Total	S	S	40.4	—	46.3	—	22.4
Single modes	S	S	43.4	4.7	46.3	3.9	21.2
Truck	S	S	S	S	S	S	22.2
For-hire truck	—	—	—	—	—	—	—
Private truck	S	S	S	S	S	S	22.2
Rail	49.7	8.0	49.2	5.6	49.9	5.9	20.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.1

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	21.9	—	31.1	—	32.9	—	20.0
Single modes	22.5	2.3	31.1	2.4	33.0	1.5	S
Truck	22.5	2.3	31.1	2.4	33.0	1.5	S
For-hire truck	35.0	7.8	38.9	8.9	37.1	11.4	34.1
Private truck	27.9	7.4	39.9	8.5	S	S	29.4
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	19.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.5
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	S	S	S	S	S	S	S
Single modes	S	S	S	S	S	S	S
Truck	S	S	S	S	S	S	S
For-hire truck	40.4	4.8	43.3	4.4	43.3	6.2	S
Private truck	S	S	S	S	S	S	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	45.7	8.5	42.3	8.8	S	S	17.5
Parcel, U.S. Postal Service or courier	S	S	41.5	5.6	44.9	7.2	19.9
Truck and rail	48.1	3.8	44.7	3.9	S	S	25.4
Truck and water	46.1	4.6	46.1	3.9	46.2	1.2	20.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	34.2
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	11.3	—	15.1	—	24.9	—	16.9
Single modes	11.4	1.0	15.4	1.1	26.3	3.5	27.7
Truck	11.5	1.2	15.5	1.2	26.9	3.6	30.2
For-hire truck	19.6	5.7	26.0	6.2	33.5	7.0	11.4
Private truck	16.2	5.9	21.5	7.0	17.7	6.1	23.3
Rail	S	S	S	S	S	S	22.4
Water	S	S	S	S	S	S	22.2
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	S	S	S	S	44.5	.7	19.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	20.7
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.2
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	42.3	.4	48.0	.7	S	S	S

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	24.3	—	28.9	—	23.3	—	23.3
Single modes	24.3	.6	28.8	.3	22.4	1.8	24.3
Truck	24.3	.6	28.9	.3	22.4	1.9	24.2
For-hire truck	35.7	5.5	33.3	6.3	26.6	7.5	41.8
Private truck	29.7	5.8	38.2	6.4	33.7	7.9	23.7
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	20.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.5
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	28.5
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	10.9	—	13.7	—	12.4	—	19.9
Single modes	11.2	2.6	14.3	1.8	13.3	3.5	12.4
Truck	11.2	2.6	14.3	1.8	13.6	3.7	12.4
For-hire truck	13.3	3.2	15.0	3.4	16.8	4.2	7.5
Private truck	11.7	3.3	16.8	3.7	14.6	3.3	14.0
Rail	41.9	—	36.1	.1	38.1	.8	21.3
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	20.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	17.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	15.9
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	8.8	—	9.6	—	29.6	—	5.6
Single modes	8.5	.4	9.6	—	29.7	.6	5.2
Truck	8.5	.4	9.6	—	29.7	.6	5.2
For-hire truck	36.6	3.1	43.9	5.1	45.0	12.1	27.3
Private truck	8.4	3.1	8.5	5.2	21.7	12.2	4.6
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	18.3	—	26.5	—	26.4	—	49.4
Single modes	19.5	3.1	27.8	4.3	28.7	4.2	S
Truck	19.5	3.1	27.9	4.3	29.0	4.5	44.6
For-hire truck	34.7	4.1	30.8	5.4	32.4	9.1	18.4
Private truck	20.2	5.6	29.3	7.3	41.2	11.3	10.2
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	20.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.6
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	27.4
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	17.9	—	23.8	—	42.7	—	20.3
Single modes	18.7	6.0	24.8	5.9	44.0	6.8	20.6
Truck	18.7	6.0	24.8	5.9	44.0	6.8	20.6
For-hire truck	22.8	8.1	20.9	8.8	49.7	10.3	17.5
Private truck	45.2	5.8	S	S	33.3	5.3	31.5
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	49.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	49.2
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 11, NATURAL SANDS							
Total	26.0	—	32.5	—	23.2	—	S
Single modes	26.9	2.7	32.9	4.6	27.7	7.0	S
Truck	26.9	2.7	32.9	4.7	28.9	7.7	S
For-hire truck	30.0	7.2	32.2	7.0	38.3	9.1	S
Private truck	39.0	9.0	41.9	7.9	S	S	18.5
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	42.9	2.6	43.7	4.6	48.3	7.0	21.5

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	13.0	—	14.5	—	24.8	—	39.7
Single modes	13.0	.2	14.5	.2	24.9	.7	39.0
Truck	11.6	2.9	14.9	1.7	17.4	5.6	34.7
For-hire truck	24.3	3.6	18.8	3.6	34.2	4.8	S
Private truck	15.7	5.3	19.7	4.4	21.5	7.5	23.5
Rail	S	S	S	S	S	S	23.1
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	21.2
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	22.1	—	35.9	—	20.9	—	43.1
Single modes	21.9	2.3	37.3	2.2	20.7	1.9	43.5
Truck	22.5	6.0	39.5	5.9	23.0	6.5	41.0
For-hire truck	22.7	7.2	32.0	6.9	24.3	7.1	18.0
Private truck	42.2	5.6	S	S	38.9	5.3	18.7
Rail	34.1	6.2	44.2	6.1	34.9	6.7	19.8
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	47.1
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	S	S	47.3	—	S	S	21.5
Single modes	S	S	47.9	1.3	S	S	22.1
Truck	S	S	48.0	4.9	S	S	20.6
For-hire truck	S	S	S	S	S	S	24.9
Private truck	S	S	S	S	S	S	21.8
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	28.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	28.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	23.5

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	\$	\$	\$	\$	\$	\$	22.0
Single modes	\$	\$	\$	\$	\$	\$	21.9
Truck	\$	\$	\$	\$	\$	\$	21.9
For-hire truck	\$	\$	\$	\$	\$	\$	21.9
Private truck	\$	\$	\$	\$	\$	\$	21.9
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	\$	\$	\$
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	\$	\$	\$	\$	\$	\$	22.4
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	11.3	—	12.0	—	21.9	—	7.6
Single modes	11.4	.3	12.0	.5	22.0	1.1	7.8
Truck	11.0	4.0	11.5	4.4	17.6	5.0	7.9
For-hire truck	32.9	5.9	31.3	5.7	38.9	5.0	\$
Private truck	14.3	6.4	14.9	6.4	20.3	6.5	9.3
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	\$	\$	\$	\$	\$	\$	\$
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	\$	\$	\$	\$	\$	\$	23.3
SCTG 18, FUEL OILS							
Total	16.9	—	21.9	—	43.3	—	20.3
Single modes	16.9	—	21.9	—	43.3	—	20.3
Truck	16.8	3.2	22.1	3.5	47.7	4.5	20.3
For-hire truck	33.3	5.5	37.8	5.5	34.0	6.9	30.1
Private truck	19.6	6.0	25.2	6.1	\$	\$	19.7
Rail	\$	\$	\$	\$	\$	\$	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	\$	\$	\$	\$	\$	\$	\$
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	\$	\$	\$	\$	\$	\$	\$

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	15.1	—	16.9	—	17.9	—	36.5
Single modes	14.9	.7	17.0	.5	18.0	.3	15.7
Truck	14.9	.7	17.0	.5	18.1	.3	15.7
For-hire truck	32.1	4.5	34.5	7.3	30.3	4.9	S
Private truck	15.4	4.5	14.5	7.2	17.5	4.9	16.0
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	43.1	.1	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 20, BASIC CHEMICALS							
Total	12.2	—	17.7	—	26.3	—	42.5
Single modes	12.0	2.7	18.0	1.4	27.1	1.8	S
Truck	12.0	3.8	17.9	3.9	25.2	5.8	S
For-hire truck	16.6	6.3	23.4	6.8	30.4	7.0	10.9
Private truck	22.2	4.8	28.9	7.1	28.8	4.8	43.7
Rail	45.7	1.3	39.2	3.8	48.8	5.5	19.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	17.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	32.8	1.4	41.2	.2	S	S	10.7
Parcel, U.S. Postal Service or courier	31.1	1.1	24.4	—	41.7	.1	10.6
Truck and rail	S	S	S	S	S	S	39.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	29.0
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	30.2	—	30.8	—	23.9	—	19.1
Single modes	31.3	5.5	33.4	5.6	26.8	6.1	26.7
Truck	35.9	6.4	34.5	5.8	31.9	7.2	12.0
For-hire truck	45.8	5.5	48.1	7.0	34.5	6.2	S
Private truck	17.4	5.8	21.0	7.9	36.3	5.2	14.1
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	32.2	1.3	31.5	4.8	10.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	41.9	5.2	33.9	4.9	28.0	4.5	21.7
Parcel, U.S. Postal Service or courier	41.9	5.2	33.9	4.9	28.0	4.5	21.7
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	29.2

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	\$	\$	\$	\$	\$	\$	21.4
Single modes	\$	\$	\$	\$	\$	\$	26.4
Truck	\$	\$	\$	\$	\$	\$	26.4
For-hire truck	\$	\$	44.7	4.8	\$	\$	21.3
Private truck	\$	\$	\$	\$	\$	\$	26.0
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	\$	\$	\$
Multiple modes	\$	\$	\$	\$	\$	\$	21.8
Parcel, U.S. Postal Service or courier	\$	\$	\$	\$	\$	\$	21.8
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	\$	\$	\$	\$	\$	\$	21.3
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	13.1	—	17.2	—	26.6	—	21.7
Single modes	13.7	2.1	17.6	.8	26.9	1.0	18.6
Truck	12.9	2.2	16.8	1.4	20.1	4.7	18.7
For-hire truck	13.7	4.1	18.9	4.3	21.6	5.0	10.3
Private truck	17.4	4.4	29.0	4.4	36.5	4.3	22.9
Rail	47.1	1.2	47.5	1.6	\$	\$	20.0
Water	\$	\$	\$	\$	\$	\$	22.4
Shallow draft	\$	\$	\$	\$	\$	\$	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	\$	\$	47.9	.4	\$	\$	19.7
Pipeline	—	—	—	—	\$	\$	\$
Multiple modes	20.5	1.9	23.3	.5	16.3	1.0	22.4
Parcel, U.S. Postal Service or courier	20.9	2.0	25.3	.5	17.8	1.0	22.4
Truck and rail	\$	\$	\$	\$	\$	\$	22.4
Truck and water	\$	\$	\$	\$	\$	\$	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	30.7	.5	32.6	.4	33.2	.3	\$
SCTG 24, PLASTICS AND RUBBER							
Total	7.0	—	42.6	—	33.2	—	11.3
Single modes	7.7	1.8	43.3	2.1	35.3	3.1	10.9
Truck	7.8	1.9	43.7	2.7	35.9	3.4	10.3
For-hire truck	7.1	3.1	12.8	10.2	17.2	8.2	11.7
Private truck	17.0	3.4	48.7	12.0	\$	\$	17.6
Rail	\$	\$	\$	\$	\$	\$	25.0
Water	\$	\$	\$	\$	\$	\$	22.4
Shallow draft	\$	\$	\$	\$	\$	\$	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	27.1	.4	33.6	—	24.5	.2	8.3
Pipeline	—	—	—	—	\$	\$	\$
Multiple modes	12.7	1.8	34.8	1.5	27.9	2.5	11.9
Parcel, U.S. Postal Service or courier	13.0	1.7	42.2	1.2	32.5	1.4	11.9
Truck and rail	\$	\$	\$	\$	\$	\$	19.9
Truck and water	\$	\$	\$	\$	\$	\$	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	22.4	.8	40.4	1.1	35.0	1.2	41.0

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	\$	\$	\$	\$	\$	\$	17.9
Single modes	\$	\$	\$	\$	\$	\$	18.0
Truck	\$	\$	\$	\$	\$	\$	18.0
For-hire truck	\$	\$	\$	\$	\$	\$	\$
Private truck	40.8	10.5	\$	\$	\$	\$	17.6
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	\$	\$	\$
Multiple modes	\$	\$	\$	\$	\$	\$	22.4
Parcel, U.S. Postal Service or courier	\$	\$	\$	\$	\$	\$	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	\$	\$	\$	\$	\$	\$	22.4
SCTG 26, WOOD PRODUCTS							
Total	9.1	—	35.3	—	19.4	—	11.0
Single modes	9.3	.9	35.5	.4	18.9	.8	13.7
Truck	9.2	.9	36.4	1.2	20.9	3.7	13.3
For-hire truck	16.0	3.6	\$	\$	22.6	4.7	31.3
Private truck	12.0	3.4	38.3	5.7	28.3	3.5	12.6
Rail	20.5	.6	15.4	1.0	22.1	3.5	9.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	\$	\$	\$	\$	\$	\$	19.9
Pipeline	—	—	—	—	\$	\$	\$
Multiple modes	27.9	.5	32.2	.1	40.2	.7	17.7
Parcel, U.S. Postal Service or courier	33.1	.4	40.4	—	42.2	.1	13.4
Truck and rail	47.9	.1	44.4	—	43.5	.7	17.8
Truck and water	\$	\$	\$	\$	\$	\$	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	41.7	.7	28.1	.3	38.3	.3	17.5
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	10.3	—	9.4	—	14.3	—	17.6
Single modes	10.3	.4	9.6	.5	14.6	1.2	18.9
Truck	11.4	2.7	9.5	3.2	12.3	4.8	19.6
For-hire truck	14.2	3.5	13.1	3.7	13.1	4.5	9.0
Private truck	11.7	3.1	16.7	4.0	23.3	1.2	18.1
Rail	15.7	2.6	21.4	3.3	27.8	4.8	7.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	\$	\$	\$	\$	\$	\$	24.6
Pipeline	—	—	—	—	\$	\$	\$
Multiple modes	26.3	.4	39.0	.3	\$	\$	22.6
Parcel, U.S. Postal Service or courier	29.7	.2	33.3	—	49.3	—	21.9
Truck and rail	47.7	.3	46.2	.3	\$	\$	17.6
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	32.1	.3	35.9	.4	\$	\$	39.6

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	10.9	—	9.5	—	31.0	—	15.3
Single modes	11.3	1.5	9.5	1.2	33.1	2.1	29.0
Truck	10.7	1.8	8.8	1.8	18.9	4.2	33.4
For-hire truck	13.4	4.7	14.4	5.6	21.7	4.9	13.5
Private truck	17.2	4.8	17.4	6.0	17.3	4.6	15.5
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	12.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	20.4	1.4	32.9	.8	35.6	1.9	8.9
Parcel, U.S. Postal Service or courier	21.7	1.4	37.2	.8	36.8	1.8	8.9
Truck and rail	S	S	S	S	S	S	19.7
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	37.2	.6	38.0	.6	38.4	.7	S
SCTG 29, PRINTED PRODUCTS							
Total	11.1	—	10.2	—	10.2	—	18.1
Single modes	7.9	4.3	10.7	1.0	11.0	2.6	S
Truck	8.4	4.5	10.7	1.0	11.2	2.6	S
For-hire truck	14.3	3.4	14.4	4.9	13.3	4.0	38.3
Private truck	11.4	3.5	15.3	5.1	20.2	2.2	38.0
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	36.8	—	48.3	.6	9.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	30.1	3.9	17.8	.6	19.5	2.7	9.2
Parcel, U.S. Postal Service or courier	30.2	3.9	17.8	.6	19.7	2.7	9.2
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	31.6	.8	S	S	S
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	7.7	—	8.1	—	11.5	—	3.5
Single modes	8.6	3.3	9.3	1.7	13.6	3.2	5.3
Truck	8.7	3.3	9.4	1.7	13.7	3.2	5.9
For-hire truck	10.2	3.5	13.3	3.1	14.4	3.9	4.8
Private truck	11.0	1.4	12.2	2.5	28.5	2.2	15.2
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	22.6	.3	23.7	.1	24.3	.3	18.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	17.1	3.4	13.7	1.7	18.5	3.3	4.1
Parcel, U.S. Postal Service or courier	17.2	3.3	16.4	1.8	15.2	2.8	4.1
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	48.2	—	47.9	1.0	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	21.1	.5	22.1	.5	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	11.3	—	17.4	—	28.7	—	11.0
Single modes	11.1	3.5	18.3	3.3	34.4	6.3	21.8
Truck	11.4	3.6	17.8	3.3	22.1	7.2	23.5
For-hire truck	15.3	3.3	40.2	3.6	37.4	4.2	22.8
Private truck	15.7	3.9	20.6	4.9	19.0	6.6	14.9
Rail	S	S	S	S	S	S	36.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	42.8	—	S	S	24.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	27.1	2.8	30.2	—	33.2	.8	7.6
Parcel, U.S. Postal Service or courier	28.8	2.7	27.2	—	25.4	.5	7.6
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	48.6	3.3	S	S	18.8
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	11.9	—	30.2	—	45.9	—	10.2
Single modes	13.1	2.0	33.0	3.1	S	S	11.4
Truck	12.2	2.7	13.1	6.9	29.0	10.5	12.6
For-hire truck	18.4	4.2	21.3	5.6	34.1	8.3	6.4
Private truck	13.6	4.0	15.2	6.0	38.5	4.1	8.8
Rail	S	S	S	S	S	S	20.8
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	37.5	.6	45.3	.3	38.3	.4	13.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	25.1	1.8	39.8	.4	S	S	14.5
Parcel, U.S. Postal Service or courier	25.7	1.8	42.6	.4	S	S	14.5
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	25.0	.7	28.4	3.0	33.7	4.8	36.2
SCTG 33, ARTICLES OF BASE METAL							
Total	12.5	—	16.9	—	29.3	—	13.7
Single modes	16.8	3.6	18.8	3.5	32.1	4.5	15.5
Truck	17.0	3.7	18.9	3.5	32.9	4.7	16.8
For-hire truck	17.2	2.9	26.1	4.4	36.4	5.5	5.8
Private truck	27.1	3.1	25.2	5.1	23.9	2.9	15.9
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	19.5	.3	36.3	.2	43.2	1.9	11.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	16.0	3.5	15.5	.9	20.1	1.3	15.2
Parcel, U.S. Postal Service or courier	16.0	3.5	15.6	.9	20.1	1.3	15.2
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	42.4	2.9	21.5	3.0	31.3	4.3	34.0

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	9.5	—	9.3	—	15.9	—	10.9
Single modes	9.1	1.9	10.7	2.7	18.3	3.7	15.1
Truck	8.2	2.5	11.0	2.9	18.9	4.1	18.5
For-hire truck	9.7	3.0	15.6	4.6	20.8	4.5	9.4
Private truck	18.3	2.5	14.0	3.8	27.6	2.5	33.5
Rail	S	S	S	S	S	S	22.0
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	30.8	1.8	28.0	.8	23.2	1.6	7.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	14.5	1.6	14.4	1.2	20.7	1.7	12.8
Parcel, U.S. Postal Service or courier	14.5	1.6	14.4	1.2	20.7	1.7	12.8
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	20.3	.8	35.1	2.4	42.5	2.4	S
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	11.5	—	10.9	—	10.9	—	8.9
Single modes	12.0	3.0	11.3	1.9	10.7	2.9	17.2
Truck	11.5	2.6	11.4	2.2	11.5	3.2	22.2
For-hire truck	14.2	3.1	16.2	3.9	15.5	4.9	6.5
Private truck	19.4	1.7	12.8	4.2	33.5	5.2	17.8
Rail	S	S	S	S	S	S	22.0
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	19.3	1.8	31.0	.9	22.0	1.3	5.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	15.4	2.6	12.4	.8	14.1	1.3	5.8
Parcel, U.S. Postal Service or courier	15.5	2.7	12.5	.8	14.5	1.3	5.8
Truck and rail	S	S	S	S	S	S	22.0
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	19.9	1.1	36.0	1.7	S	S	23.6
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	16.3	—	23.3	—	18.2	—	44.2
Single modes	19.0	3.3	27.4	3.7	17.8	2.2	S
Truck	19.1	3.3	27.5	3.7	18.0	2.2	S
For-hire truck	32.3	5.8	27.8	5.6	18.5	4.4	10.4
Private truck	15.9	5.0	46.1	6.1	30.5	4.8	S
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	28.6	.2	27.6	.2	36.9	.7	14.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	30.3	3.1	25.3	1.8	36.6	1.7	14.1
Parcel, U.S. Postal Service or courier	30.3	3.1	25.3	1.8	36.6	1.7	14.1
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	31.2	2.3	37.5	3.7	33.4	1.4	40.4

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	16.8	—	11.3	—	16.7	—	18.2
Single modes	18.8	3.4	11.5	1.6	18.5	5.4	26.9
Truck	32.5	6.0	21.4	5.6	20.0	7.4	35.6
For-hire truck	41.5	4.4	22.1	4.9	20.5	7.2	17.8
Private truck	32.2	3.0	24.8	1.6	33.5	3.1	49.3
Rail	S	S	S	S	S	S	22.4
Water	—	6.4	—	4.9	—	.1	22.9
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	6.4	—	4.9	—	.1	22.9
Air (includes truck and air)	37.4	1.4	37.4	.7	36.4	2.1	19.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	26.7	3.3	37.8	1.5	39.6	5.1	14.2
Parcel, U.S. Postal Service or courier	26.7	3.3	37.8	1.5	39.6	5.1	14.2
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	38.9	.3	S	S	S	S	21.1
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	12.6	—	15.0	—	18.1	—	8.1
Single modes	17.4	3.4	19.0	4.4	23.6	5.4	12.3
Truck	17.4	4.0	19.4	4.9	24.5	5.7	16.0
For-hire truck	18.3	3.2	24.8	5.8	26.2	6.7	10.6
Private truck	24.3	2.7	27.9	4.0	23.2	2.2	18.3
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	44.0	3.0	23.0	1.4	25.9	1.8	4.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	10.0	3.3	21.6	4.1	11.5	5.2	8.8
Parcel, U.S. Postal Service or courier	10.0	3.3	21.6	4.1	11.5	5.2	8.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	23.1	.6	26.7	1.2	45.8	1.5	16.1
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	15.9	—	11.9	—	15.6	—	12.9
Single modes	16.9	2.9	13.3	4.4	14.8	2.0	15.9
Truck	17.4	3.5	13.5	4.4	14.9	2.0	16.4
For-hire truck	17.8	5.8	15.0	5.1	16.1	3.3	11.1
Private truck	28.2	6.0	16.5	4.6	23.6	2.9	17.8
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	23.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	23.2	1.6	42.6	4.1	33.7	1.9	11.9
Parcel, U.S. Postal Service or courier	26.0	1.2	25.6	.7	32.9	1.6	11.4
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	S	S	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	38.1	1.8	37.2	1.0	44.9	.7	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	8.7	—	34.6	—	S	S	5.1
Single modes	11.5	3.1	36.8	2.9	S	S	12.1
Truck	10.9	2.6	38.1	3.4	S	S	14.7
For-hire truck	15.2	3.2	16.1	6.8	32.0	6.4	5.5
Private truck	17.8	2.6	S	S	S	S	28.4
Rail	S	S	S	S	S	S	24.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	34.6	1.5	48.6	.2	43.4	.4	8.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	11.3	2.9	11.9	2.4	17.2	4.2	4.8
Parcel, U.S. Postal Service or courier	9.9	2.9	10.9	2.3	14.5	3.8	4.8
Truck and rail	S	S	S	S	S	S	20.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	20.9	.8	21.2	1.0	33.1	2.3	25.4
SCTG 41, WASTE AND SCRAP							
Total	26.0	—	36.9	—	29.0	—	25.1
Single modes	27.3	3.9	38.7	3.1	31.3	6.3	25.3
Truck	27.9	4.1	41.1	3.4	36.3	7.2	25.5
For-hire truck	30.6	7.5	23.7	9.0	28.1	9.4	15.3
Private truck	36.2	6.8	S	S	S	S	15.2
Rail	38.0	1.5	39.8	1.4	37.5	4.0	21.9
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	43.8
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.3
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	30.3
SCTG 43, MIXED FREIGHT							
Total	17.0	—	25.3	—	24.0	—	S
Single modes	17.8	2.5	25.8	2.9	24.5	2.8	S
Truck	17.8	2.9	25.8	3.0	24.6	3.0	S
For-hire truck	44.5	3.4	S	S	49.1	5.1	19.9
Private truck	18.4	5.6	26.3	6.0	26.2	6.6	25.4
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	43.2	.6	40.6	.3	42.5	.5	19.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	42.1	2.2	36.3	.9	26.5	1.1	S
Parcel, U.S. Postal Service or courier	41.5	2.2	32.9	.9	28.3	1.1	S
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	44.7	1.1	S	S	S	S	S

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	24.4	—	49.8	—	S	S	14.4
Single modes	31.0	7.2	35.6	6.3	36.0	11.1	S
Truck	31.1	7.1	36.4	6.7	38.9	11.1	S
For-hire truck	34.3	7.2	43.5	9.3	S	S	15.3
Private truck	S	S	43.7	8.2	41.5	8.1	S
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	48.4	.2	44.2	.4	19.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	40.9	7.2	37.6	5.4	40.1	6.9	11.5
Parcel, U.S. Postal Service or courier	42.6	7.3	39.2	5.4	41.6	6.9	11.5
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	18.6

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	3.8	8.4	8.8
Less than 50 miles	4.7	10.6	8.9
50 to 99 miles	5.4	16.8	16.7
100 to 249 miles	6.3	19.4	20.5
250 to 499 miles	6.9	26.2	32.5
500 to 749 miles	5.2	7.5	7.9
750 to 999 miles	4.5	34.4	33.4
1,000 to 1,499 miles	5.8	6.4	6.7
1,500 to 1,999 miles	11.1	36.2	40.1
2,000 miles or more	10.0	11.0	11.4
SCTG 01, Live animals and live fish	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	S	40.4	46.3
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	—	—	—
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 03, Other agricultural products	21.9	31.1	32.9
Less than 50 miles	29.7	31.6	40.5
50 to 99 miles	23.6	S	S
100 to 249 miles	27.1	37.4	38.8
250 to 499 miles	S	S	S
500 to 749 miles	45.0	44.5	44.7
750 to 999 miles	S	S	49.6
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	49.7	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	33.6	33.4	30.1
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	47.0	46.8
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	11.3	15.1	24.9
Less than 50 miles	17.3	22.2	25.7
50 to 99 miles	18.2	21.3	21.4
100 to 249 miles	15.0	21.2	25.1
250 to 499 miles	27.9	39.8	38.6
500 to 749 miles	26.7	30.1	30.2
750 to 999 miles	33.2	27.0	27.2
1,000 to 1,499 miles	32.9	40.6	40.6
1,500 to 1,999 miles	22.8	23.8	24.2
2,000 miles or more	27.9	43.0	42.2
SCTG 06, Milled grain products and preparations, and bakery products	24.3	28.9	23.3
Less than 50 miles	28.9	38.8	40.0
50 to 99 miles	31.8	34.2	35.3
100 to 249 miles	28.4	29.0	28.5
250 to 499 miles	26.8	37.3	37.2
500 to 749 miles	29.7	43.4	44.6
750 to 999 miles	27.4	23.8	23.1
1,000 to 1,499 miles	32.8	33.6	34.4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	41.5	39.1	39.4
SCTG 07, Other prepared foodstuffs and fats and oils	10.9	13.7	12.4
Less than 50 miles	18.3	24.1	29.5
50 to 99 miles	14.1	12.2	12.4
100 to 249 miles	12.5	17.6	19.0
250 to 499 miles	17.4	20.2	21.4
500 to 749 miles	21.6	32.1	33.0
750 to 999 miles	23.7	21.8	21.5
1,000 to 1,499 miles	25.2	20.6	20.3
1,500 to 1,999 miles	S	49.9	41.4
2,000 miles or more	30.3	32.0	31.6

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	8.8	9.6	29.6
Less than 50 miles	8.1	8.2	9.5
50 to 99 miles	24.0	35.8	37.0
100 to 249 miles	38.5	44.0	44.6
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 09, Tobacco products	18.3	26.5	26.4
Less than 50 miles	17.2	21.2	25.0
50 to 99 miles	32.2	39.1	40.3
100 to 249 miles	S	48.3	48.6
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	38.7	49.0	48.8
1,500 to 1,999 miles	48.1	S	S
2,000 miles or more	34.7	35.8	35.7
SCTG 10, Monumental or building stone	17.9	23.8	42.7
Less than 50 miles	31.6	39.6	32.6
50 to 99 miles	32.2	27.0	28.8
100 to 249 miles	32.7	30.6	29.2
250 to 499 miles	36.0	38.7	40.6
500 to 749 miles	49.1	S	S
750 to 999 miles	43.1	42.8	43.1
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 11, Natural sands	26.0	32.5	23.2
Less than 50 miles	31.4	33.7	30.8
50 to 99 miles	37.7	S	S
100 to 249 miles	39.6	43.2	43.1
250 to 499 miles	42.9	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	48.3	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	13.0	14.5	24.8
Less than 50 miles	12.5	15.3	17.3
50 to 99 miles	38.4	S	S
100 to 249 miles	S	46.4	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	22.1	35.9	20.9
Less than 50 miles	27.7	S	34.2
50 to 99 miles	31.1	30.9	28.5
100 to 249 miles	31.4	31.6	30.9
250 to 499 miles	25.7	30.2	28.6
500 to 749 miles	38.3	25.7	24.6
750 to 999 miles	46.5	28.6	28.8
1,000 to 1,499 miles	38.4	32.4	33.1
1,500 to 1,999 miles	46.2	45.0	44.8
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	S	47.3	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 15, Coal	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	—	—	—
100 to 249 miles	—	—	—
250 to 499 miles	—	—	—
500 to 749 miles	—	—	—
750 to 999 miles	—	—	—
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	11.3	12.0	21.9
Less than 50 miles	12.0	12.9	15.6
50 to 99 miles	47.5	48.5	48.3
100 to 249 miles	37.7	31.3	30.7
250 to 499 miles	—	—	—
500 to 749 miles	—	—	—
750 to 999 miles	—	—	—
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	16.9	21.9	43.3
Less than 50 miles	11.5	15.0	28.7
50 to 99 miles	44.7	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	—	—	—
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	15.1	16.9	17.9
Less than 50 miles	16.9	17.3	18.7
50 to 99 miles	30.5	31.4	30.5
100 to 249 miles	38.7	44.8	48.5
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	49.8	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	12.2	17.7	26.3
Less than 50 miles	17.8	18.7	22.3
50 to 99 miles	21.8	27.2	26.5
100 to 249 miles	28.2	26.9	28.6
250 to 499 miles	27.4	34.8	35.7
500 to 749 miles	19.6	26.2	27.4
750 to 999 miles	23.7	42.3	42.6
1,000 to 1,499 miles	40.9	S	S
1,500 to 1,999 miles	32.2	36.2	36.1
2,000 miles or more	30.6	34.3	33.5
SCTG 21, Pharmaceutical products	30.2	30.8	23.9
Less than 50 miles	20.2	21.2	21.1
50 to 99 miles	47.0	S	S
100 to 249 miles	S	S	47.1
250 to 499 miles	36.8	40.1	39.7
500 to 749 miles	36.8	42.7	40.6
750 to 999 miles	33.8	26.1	25.6
1,000 to 1,499 miles	S	47.2	44.9
1,500 to 1,999 miles	S	28.6	28.1
2,000 miles or more	S	22.1	22.2
SCTG 22, Fertilizers	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	13.1	17.2	26.6
Less than 50 miles	18.0	20.8	24.9
50 to 99 miles	21.2	25.0	22.8
100 to 249 miles	14.5	31.2	29.0
250 to 499 miles	20.1	23.3	23.8
500 to 749 miles	22.3	36.3	37.8
750 to 999 miles	22.4	29.9	30.8
1,000 to 1,499 miles	20.7	30.8	30.4
1,500 to 1,999 miles	23.9	33.2	31.7
2,000 miles or more	31.0	39.1	39.5
SCTG 24, Plastics and rubber	7.0	42.6	33.2
Less than 50 miles	16.9	S	S
50 to 99 miles	15.1	47.5	46.4
100 to 249 miles	8.3	S	S
250 to 499 miles	13.4	15.5	15.5
500 to 749 miles	10.2	14.0	14.3
750 to 999 miles	8.6	15.9	15.6
1,000 to 1,499 miles	10.6	10.5	11.0
1,500 to 1,999 miles	18.6	17.2	16.9
2,000 miles or more	13.5	26.4	26.1

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	S	S	S
Less than 50 miles	S	S	41.2
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	—	—	—
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 26, Wood products	9.1	35.3	19.4
Less than 50 miles	12.0	48.7	43.1
50 to 99 miles	12.4	14.8	16.0
100 to 249 miles	10.4	13.5	13.7
250 to 499 miles	13.9	16.6	15.8
500 to 749 miles	14.5	21.1	21.4
750 to 999 miles	23.5	30.6	29.2
1,000 to 1,499 miles	18.3	21.4	21.8
1,500 to 1,999 miles	34.5	49.4	49.9
2,000 miles or more	28.2	29.5	29.9
SCTG 27, Pulp, newsprint, paper, and paperboard	10.3	9.4	14.3
Less than 50 miles	10.4	18.2	19.9
50 to 99 miles	21.5	18.3	18.1
100 to 249 miles	17.8	17.9	15.7
250 to 499 miles	19.9	17.0	16.6
500 to 749 miles	12.9	15.1	14.4
750 to 999 miles	14.9	14.9	14.0
1,000 to 1,499 miles	11.2	12.5	13.0
1,500 to 1,999 miles	27.1	32.6	32.8
2,000 miles or more	26.4	39.4	43.4
SCTG 28, Paper or paperboard articles	10.9	9.5	31.0
Less than 50 miles	13.3	16.3	14.3
50 to 99 miles	25.2	16.2	17.1
100 to 249 miles	14.9	12.9	15.3
250 to 499 miles	18.3	22.6	23.1
500 to 749 miles	19.9	18.3	18.5
750 to 999 miles	17.6	20.2	19.8
1,000 to 1,499 miles	23.2	33.9	35.3
1,500 to 1,999 miles	20.4	27.7	28.8
2,000 miles or more	S	S	S
SCTG 29, Printed products	11.1	10.2	10.2
Less than 50 miles	10.0	14.0	12.9
50 to 99 miles	15.0	25.1	20.8
100 to 249 miles	24.4	16.3	17.4
250 to 499 miles	23.2	14.2	12.6
500 to 749 miles	19.9	18.9	18.4
750 to 999 miles	15.0	15.4	15.4
1,000 to 1,499 miles	14.5	14.1	13.8
1,500 to 1,999 miles	22.6	29.8	28.6
2,000 miles or more	33.6	15.6	15.7
SCTG 30, Textiles, leather, and articles of textiles or leather	7.7	8.1	11.5
Less than 50 miles	10.0	10.4	9.2
50 to 99 miles	22.6	24.8	20.7
100 to 249 miles	11.8	17.5	18.9
250 to 499 miles	21.0	14.7	14.9
500 to 749 miles	11.9	10.6	10.5
750 to 999 miles	15.3	21.7	21.9
1,000 to 1,499 miles	9.9	15.8	15.6
1,500 to 1,999 miles	14.4	21.5	21.5
2,000 miles or more	10.9	14.5	16.5
SCTG 31, Nonmetallic mineral products	11.3	17.4	28.7
Less than 50 miles	15.3	21.2	18.0
50 to 99 miles	24.7	34.8	33.7
100 to 249 miles	24.7	S	S
250 to 499 miles	19.7	27.1	27.3
500 to 749 miles	28.3	S	S
750 to 999 miles	20.9	39.7	39.7
1,000 to 1,499 miles	25.0	S	S
1,500 to 1,999 miles	30.4	38.5	39.1
2,000 miles or more	25.8	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	11.9	30.2	45.9
Less than 50 miles	11.7	16.8	13.7
50 to 99 miles	12.0	15.9	16.4
100 to 249 miles	9.5	19.8	20.9
250 to 499 miles	24.3	27.7	28.6
500 to 749 miles	33.7	29.4	29.3
750 to 999 miles	32.3	S	S
1,000 to 1,499 miles	23.0	25.1	28.5
1,500 to 1,999 miles	29.3	S	S
2,000 miles or more	37.5	44.2	43.9

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	12.5	16.9	29.3
Less than 50 miles	16.4	18.4	21.2
50 to 99 miles	18.0	28.7	26.1
100 to 249 miles	16.6	19.8	19.7
250 to 499 miles	16.7	22.3	23.0
500 to 749 miles	18.1	35.6	34.7
750 to 999 miles	19.3	17.6	17.4
1,000 to 1,499 miles	21.9	21.9	20.8
1,500 to 1,999 miles	21.3	29.6	29.0
2,000 miles or more	13.9	S	S
SCTG 34, Machinery	9.5	9.3	15.9
Less than 50 miles	13.3	17.0	21.2
50 to 99 miles	16.8	12.7	12.5
100 to 249 miles	15.8	17.5	18.0
250 to 499 miles	26.7	25.6	25.9
500 to 749 miles	18.0	36.8	33.8
750 to 999 miles	18.5	23.1	23.9
1,000 to 1,499 miles	25.2	20.4	21.8
1,500 to 1,999 miles	16.1	30.6	30.4
2,000 miles or more	29.0	34.7	36.2
SCTG 35, Electronic and other electrical equipment and components and office equipment	11.5	10.9	10.9
Less than 50 miles	14.7	18.0	18.0
50 to 99 miles	24.3	19.2	18.1
100 to 249 miles	15.6	16.5	16.1
250 to 499 miles	15.9	22.2	19.1
500 to 749 miles	18.9	16.3	16.9
750 to 999 miles	14.3	13.5	13.4
1,000 to 1,499 miles	19.5	16.6	16.7
1,500 to 1,999 miles	22.6	27.2	26.7
2,000 miles or more	14.0	11.8	11.8
SCTG 36, Motorized and other vehicles (including parts)	16.3	23.3	18.2
Less than 50 miles	15.2	41.7	43.9
50 to 99 miles	S	49.5	48.0
100 to 249 miles	19.8	21.3	23.0
250 to 499 miles	24.2	30.5	28.3
500 to 749 miles	19.2	17.1	17.6
750 to 999 miles	36.6	33.7	33.3
1,000 to 1,499 miles	36.5	33.0	33.0
1,500 to 1,999 miles	24.2	30.0	29.7
2,000 miles or more	35.2	37.3	37.5
SCTG 37, Transportation equipment, n.e.c.	16.8	11.3	16.7
Less than 50 miles	14.6	8.3	40.3
50 to 99 miles	31.5	S	S
100 to 249 miles	26.4	31.7	36.6
250 to 499 miles	24.9	45.1	47.3
500 to 749 miles	41.9	41.6	42.5
750 to 999 miles	21.3	43.5	44.7
1,000 to 1,499 miles	32.1	22.4	22.2
1,500 to 1,999 miles	36.8	S	S
2,000 miles or more	37.9	31.1	30.6
SCTG 38, Precision instruments and apparatus	12.6	15.0	18.1
Less than 50 miles	17.2	27.0	27.5
50 to 99 miles	29.1	24.2	25.2
100 to 249 miles	16.5	17.3	17.4
250 to 499 miles	21.4	18.9	18.8
500 to 749 miles	18.2	38.7	38.4
750 to 999 miles	14.9	16.2	15.9
1,000 to 1,499 miles	17.0	15.7	15.8
1,500 to 1,999 miles	27.0	48.2	48.3
2,000 miles or more	28.5	18.7	18.8
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	15.9	11.9	15.6
Less than 50 miles	31.8	20.6	23.5
50 to 99 miles	25.3	20.7	20.5
100 to 249 miles	20.2	19.9	20.6
250 to 499 miles	18.6	18.9	19.1
500 to 749 miles	26.3	28.4	29.2
750 to 999 miles	31.9	24.0	24.7
1,000 to 1,499 miles	26.6	21.1	20.9
1,500 to 1,999 miles	35.8	30.9	31.0
2,000 miles or more	21.7	24.9	29.2
SCTG 40, Miscellaneous manufactured products	8.7	34.6	S
Less than 50 miles	16.6	S	S
50 to 99 miles	16.2	42.8	41.2
100 to 249 miles	9.8	37.6	31.6
250 to 499 miles	21.9	38.8	34.9
500 to 749 miles	11.2	18.4	18.4
750 to 999 miles	11.7	17.2	17.8
1,000 to 1,499 miles	7.3	15.1	16.2
1,500 to 1,999 miles	16.4	S	S
2,000 miles or more	14.6	39.6	36.6

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	26.0	36.9	29.0
Less than 50 miles	28.4	43.3	47.1
50 to 99 miles	38.8	35.6	40.1
100 to 249 miles	38.2	S	S
250 to 499 miles	24.0	23.8	24.1
500 to 749 miles	S	S	S
750 to 999 miles	47.2	41.8	S
1,000 to 1,499 miles	49.0	40.8	41.7
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	17.0	25.3	24.0
Less than 50 miles	19.5	28.9	34.2
50 to 99 miles	24.8	35.5	36.9
100 to 249 miles	19.1	23.7	22.8
250 to 499 miles	40.3	38.3	38.9
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	44.3	S	S
Commodity unknown	24.4	49.8	S
Less than 50 miles	46.8	48.4	S
50 to 99 miles	42.8	47.7	42.4
100 to 249 miles	37.1	S	S
250 to 499 miles	27.3	48.7	48.2
500 to 749 miles	35.1	S	S
750 to 999 miles	35.6	S	S
1,000 to 1,499 miles	42.5	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	47.1	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	3.8	8.4	8.8
Less than 50 lb	7.5	6.8	5.5
50 to 99 lb	7.9	6.3	7.2
100 to 499 lb	6.7	4.2	4.7
500 to 749 lb	8.2	5.8	4.5
750 to 999 lb	8.8	5.4	21.2
1,000 to 9,999 lb	4.2	4.2	7.3
10,000 to 49,999 lb	4.5	10.8	6.8
50,000 to 99,999 lb	10.7	15.8	28.4
100,000 lb or more	16.3	19.8	21.5
SCTG 01, Live animals and live fish	S	S	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	—	—	—
750 to 999 lb	—	—	—
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	S	40.4	46.3
Less than 50 lb	—	—	—
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	—	—	—
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	49.7	49.2	49.9
SCTG 03, Other agricultural products	21.9	31.1	32.9
Less than 50 lb	37.9	33.5	S
50 to 99 lb	44.5	41.7	35.1
100 to 499 lb	34.2	37.1	28.0
500 to 749 lb	38.2	43.1	37.5
750 to 999 lb	35.0	36.0	32.2
1,000 to 9,999 lb	30.2	31.0	23.9
10,000 to 49,999 lb	38.8	S	S
50,000 to 99,999 lb	43.3	S	S
100,000 lb or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	S	S	S
Less than 50 lb	S	38.3	40.9
50 to 99 lb	34.8	36.1	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	40.2	27.3	S
100,000 lb or more	46.1	42.4	S
SCTG 05, Meat, fish, seafood, and their preparations	11.3	15.1	24.9
Less than 50 lb	41.4	39.8	S
50 to 99 lb	36.5	30.1	33.3
100 to 499 lb	20.8	24.7	29.2
500 to 749 lb	18.8	24.9	27.6
750 to 999 lb	18.8	26.2	22.8
1,000 to 9,999 lb	17.1	18.8	37.6
10,000 to 49,999 lb	20.8	25.0	26.2
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	24.3	28.9	23.3
Less than 50 lb	S	39.6	S
50 to 99 lb	39.1	46.4	48.2
100 to 499 lb	38.4	37.0	38.7
500 to 749 lb	42.6	35.9	30.5
750 to 999 lb	37.7	42.3	46.0
1,000 to 9,999 lb	27.2	29.2	33.3
10,000 to 49,999 lb	29.7	33.8	22.6
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	41.1	S
SCTG 07, Other prepared foodstuffs and fats and oils	10.9	13.7	12.4
Less than 50 lb	45.4	38.0	36.2
50 to 99 lb	43.2	30.4	43.8
100 to 499 lb	22.8	24.2	39.2
500 to 749 lb	23.2	24.3	37.5
750 to 999 lb	24.7	22.8	31.9
1,000 to 9,999 lb	23.0	22.9	25.4
10,000 to 49,999 lb	9.9	15.4	14.1
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	8.8	9.6	29.6
Less than 50 lb	S	33.3	40.9
50 to 99 lb	21.0	14.6	15.6
100 to 499 lb	17.3	13.0	16.1
500 to 749 lb	11.4	10.7	11.6
750 to 999 lb	16.8	16.0	16.6
1,000 to 9,999 lb	11.2	12.3	14.4
10,000 to 49,999 lb	31.4	35.4	39.8
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 09, Tobacco products	18.3	26.5	26.4
Less than 50 lb	30.2	29.1	39.9
50 to 99 lb	34.5	35.0	38.5
100 to 499 lb	25.5	21.7	26.9
500 to 749 lb	27.7	21.8	27.1
750 to 999 lb	26.7	28.1	S
1,000 to 9,999 lb	24.1	34.4	41.5
10,000 to 49,999 lb	42.4	S	37.1
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	17.9	23.8	42.7
Less than 50 lb	47.0	S	S
50 to 99 lb	35.4	S	S
100 to 499 lb	27.0	28.8	34.2
500 to 749 lb	30.0	34.8	41.8
750 to 999 lb	33.0	33.0	32.4
1,000 to 9,999 lb	33.4	22.8	38.7
10,000 to 49,999 lb	27.5	29.7	S
50,000 to 99,999 lb	42.7	42.5	43.3
100,000 lb or more	S	S	S
SCTG 11, Natural sands	26.0	32.5	23.2
Less than 50 lb	—	—	—
50 to 99 lb	S	S	S
100 to 499 lb	48.8	42.9	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	34.8	36.7	S
10,000 to 49,999 lb	31.6	39.4	35.5
50,000 to 99,999 lb	34.2	39.7	25.8
100,000 lb or more	S	S	38.6
SCTG 12, Gravel and crushed stone	13.0	14.5	24.8
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	49.4	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	25.0	23.8	36.9
10,000 to 49,999 lb	15.6	22.9	27.9
50,000 to 99,999 lb	20.5	21.6	23.4
100,000 lb or more	32.1	34.7	41.9
SCTG 13, Nonmetallic minerals n.e.c.	22.1	35.9	20.9
Less than 50 lb	S	S	S
50 to 99 lb	43.5	S	S
100 to 499 lb	S	46.8	S
500 to 749 lb	31.6	48.7	47.2
750 to 999 lb	S	S	S
1,000 to 9,999 lb	26.8	35.7	37.2
10,000 to 49,999 lb	28.4	33.7	24.2
50,000 to 99,999 lb	27.8	S	32.7
100,000 lb or more	25.8	35.3	29.2
SCTG 14, Metallic ores and concentrates	S	47.3	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 15, Coal	S	S	S
Less than 50 lb	—	—	—
50 to 99 lb	—	—	—
100 to 499 lb	—	—	—
500 to 749 lb	—	—	—
750 to 999 lb	—	—	—
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	—	—	—
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	11.3	12.0	21.9
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	32.4	34.4	31.2
10,000 to 49,999 lb	18.8	18.2	18.5
50,000 to 99,999 lb	15.4	15.6	25.8
100,000 lb or more	49.1	48.3	S
SCTG 18, Fuel oils	16.9	21.9	43.3
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	39.2	39.1	44.7
500 to 749 lb	S	S	S
750 to 999 lb	49.7	49.6	39.6
1,000 to 9,999 lb	25.2	28.0	32.7
10,000 to 49,999 lb	20.9	23.6	S
50,000 to 99,999 lb	19.8	27.7	44.0
100,000 lb or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	15.1	16.9	17.9
Less than 50 lb	41.8	31.6	S
50 to 99 lb	36.3	31.9	32.8
100 to 499 lb	37.1	24.1	42.5
500 to 749 lb	26.5	33.9	39.4
750 to 999 lb	27.6	47.1	27.2
1,000 to 9,999 lb	28.0	25.2	35.1
10,000 to 49,999 lb	19.6	16.5	26.2
50,000 to 99,999 lb	29.0	29.8	21.4
100,000 lb or more	S	S	S
SCTG 20, Basic chemicals	12.2	17.7	26.3
Less than 50 lb	36.2	S	28.1
50 to 99 lb	27.2	S	29.7
100 to 499 lb	24.5	42.6	31.7
500 to 749 lb	21.5	20.6	31.9
750 to 999 lb	27.1	30.9	36.7
1,000 to 9,999 lb	15.1	20.7	24.8
10,000 to 49,999 lb	16.8	21.4	29.1
50,000 to 99,999 lb	42.4	48.7	49.8
100,000 lb or more	45.4	39.0	48.0
SCTG 21, Pharmaceutical products	30.2	30.8	23.9
Less than 50 lb	39.4	39.5	33.0
50 to 99 lb	S	S	S
100 to 499 lb	36.3	43.9	31.3
500 to 749 lb	32.5	27.4	38.9
750 to 999 lb	S	S	S
1,000 to 9,999 lb	34.3	22.7	37.7
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	S	S	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	46.5	39.1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	48.4	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	13.1	17.2	26.6
Less than 50 lb	19.4	23.0	17.7
50 to 99 lb	20.3	20.1	14.1
100 to 499 lb	23.2	19.5	31.3
500 to 749 lb	22.1	27.8	S
750 to 999 lb	30.3	26.2	39.0
1,000 to 9,999 lb	13.5	16.4	23.2
10,000 to 49,999 lb	25.0	24.3	33.8
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 24, Plastics and rubber	7.0	42.6	33.2
Less than 50 lb	13.1	18.9	17.9
50 to 99 lb	11.7	21.3	33.8
100 to 499 lb	11.2	21.4	26.4
500 to 749 lb	14.8	23.2	26.0
750 to 999 lb	13.3	20.8	15.6
1,000 to 9,999 lb	13.3	15.2	18.2
10,000 to 49,999 lb	11.6	14.8	15.1
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	S	S	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	38.0	36.2
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 26, Wood products	9.1	35.3	19.4
Less than 50 lb	22.4	23.6	40.5
50 to 99 lb	21.8	26.0	22.8
100 to 499 lb	19.8	19.7	17.0
500 to 749 lb	25.7	23.2	33.1
750 to 999 lb	32.4	19.2	24.5
1,000 to 9,999 lb	22.6	18.9	16.6
10,000 to 49,999 lb	12.7	S	26.3
50,000 to 99,999 lb	15.1	44.4	17.2
100,000 lb or more	20.6	17.6	22.5
SCTG 27, Pulp, newsprint, paper, and paperboard	10.3	9.4	14.3
Less than 50 lb	23.6	22.9	21.0
50 to 99 lb	17.3	21.5	25.5
100 to 499 lb	14.0	12.8	18.5
500 to 749 lb	23.6	17.5	27.0
750 to 999 lb	17.8	20.8	S
1,000 to 9,999 lb	14.4	14.0	20.5
10,000 to 49,999 lb	13.4	12.6	13.1
50,000 to 99,999 lb	43.9	37.7	32.1
100,000 lb or more	14.6	18.1	28.6
SCTG 28, Paper or paperboard articles	10.9	9.5	31.0
Less than 50 lb	16.5	20.7	18.7
50 to 99 lb	26.8	21.1	31.7
100 to 499 lb	16.9	16.4	24.0
500 to 749 lb	18.1	17.1	22.3
750 to 999 lb	23.3	21.7	24.2
1,000 to 9,999 lb	16.9	17.0	S
10,000 to 49,999 lb	19.0	13.7	18.0
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	11.1	10.2	10.2
Less than 50 lb	23.2	14.9	19.9
50 to 99 lb	16.0	20.1	33.9
100 to 499 lb	16.1	22.3	20.6
500 to 749 lb	44.1	20.7	29.4
750 to 999 lb	18.9	26.7	18.4
1,000 to 9,999 lb	15.0	14.4	13.5
10,000 to 49,999 lb	17.7	17.7	17.3
50,000 to 99,999 lb	40.8	45.7	S
100,000 lb or more	39.5	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	7.7	8.1	11.5
Less than 50 lb	17.5	18.0	15.8
50 to 99 lb	13.3	10.5	13.6
100 to 499 lb	13.6	8.8	14.6
500 to 749 lb	15.3	14.0	18.3
750 to 999 lb	15.3	14.9	13.8
1,000 to 9,999 lb	10.9	11.8	17.2
10,000 to 49,999 lb	16.9	8.5	16.2
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	11.3	17.4	28.7
Less than 50 lb	40.0	30.2	29.1
50 to 99 lb	30.8	19.0	24.1
100 to 499 lb	11.9	15.0	19.3
500 to 749 lb	45.5	23.8	36.3
750 to 999 lb	32.1	28.4	26.9
1,000 to 9,999 lb	17.1	19.3	31.1
10,000 to 49,999 lb	14.4	22.8	27.1
50,000 to 99,999 lb	34.0	39.9	41.0
100,000 lb or more	48.9	37.7	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	11.9	30.2	45.9
Less than 50 lb	26.7	19.3	20.2
50 to 99 lb	24.2	17.2	18.6
100 to 499 lb	12.4	14.1	14.0
500 to 749 lb	26.5	17.8	23.2
750 to 999 lb	27.2	28.0	S
1,000 to 9,999 lb	11.1	13.8	18.4
10,000 to 49,999 lb	10.9	14.6	19.2
50,000 to 99,999 lb	26.2	30.7	S
100,000 lb or more	45.7	S	S

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	12.5	16.9	29.3
Less than 50 lb	15.4	14.2	22.8
50 to 99 lb	13.9	15.0	24.7
100 to 499 lb	15.8	13.6	21.8
500 to 749 lb	20.9	15.0	20.2
750 to 999 lb	22.7	16.6	25.7
1,000 to 9,999 lb	20.9	18.8	20.6
10,000 to 49,999 lb	21.1	18.1	14.4
50,000 to 99,999 lb	40.5	46.0	S
100,000 lb or more	S	S	S
SCTG 34, Machinery	9.5	9.3	15.9
Less than 50 lb	13.0	10.5	14.3
50 to 99 lb	17.4	17.8	31.9
100 to 499 lb	18.6	12.2	14.0
500 to 749 lb	27.7	21.5	25.6
750 to 999 lb	40.4	22.2	22.6
1,000 to 9,999 lb	15.0	14.8	18.9
10,000 to 49,999 lb	17.2	17.6	27.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	49.1	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	11.5	10.9	10.9
Less than 50 lb	12.6	9.5	14.6
50 to 99 lb	14.2	13.9	15.7
100 to 499 lb	17.7	17.4	17.3
500 to 749 lb	23.6	27.3	19.7
750 to 999 lb	26.0	26.3	21.4
1,000 to 9,999 lb	11.8	11.5	14.1
10,000 to 49,999 lb	18.7	14.5	17.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 36, Motorized and other vehicles (including parts)	16.3	23.3	18.2
Less than 50 lb	22.8	28.3	24.6
50 to 99 lb	18.2	23.6	38.9
100 to 499 lb	15.7	11.2	26.9
500 to 749 lb	19.4	21.4	22.9
750 to 999 lb	48.6	34.6	S
1,000 to 9,999 lb	16.7	17.5	23.1
10,000 to 49,999 lb	S	S	19.1
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	16.8	11.3	16.7
Less than 50 lb	26.0	25.6	38.4
50 to 99 lb	S	39.7	43.2
100 to 499 lb	31.1	33.1	39.2
500 to 749 lb	27.7	33.5	36.2
750 to 999 lb	S	34.4	41.2
1,000 to 9,999 lb	29.0	33.5	31.5
10,000 to 49,999 lb	35.3	32.1	44.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 38, Precision instruments and apparatus	12.6	15.0	18.1
Less than 50 lb	16.3	27.6	11.2
50 to 99 lb	23.3	19.9	18.4
100 to 499 lb	19.5	23.1	15.1
500 to 749 lb	32.1	25.6	20.6
750 to 999 lb	30.9	35.3	23.7
1,000 to 9,999 lb	25.3	18.8	26.7
10,000 to 49,999 lb	35.8	35.6	36.6
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	15.9	11.9	15.6
Less than 50 lb	23.1	22.2	41.2
50 to 99 lb	36.3	25.5	26.5
100 to 499 lb	30.0	17.7	20.5
500 to 749 lb	20.1	25.2	20.9
750 to 999 lb	18.3	20.7	24.2
1,000 to 9,999 lb	17.6	16.8	19.0
10,000 to 49,999 lb	16.7	18.4	27.9
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 40, Miscellaneous manufactured products	8.7	34.6	S
Less than 50 lb	9.0	10.4	10.1
50 to 99 lb	13.7	11.2	16.9
100 to 499 lb	15.3	15.2	16.2
500 to 749 lb	21.1	18.6	15.5
750 to 999 lb	13.5	16.4	16.0
1,000 to 9,999 lb	9.1	17.4	10.6
10,000 to 49,999 lb	34.2	S	20.8
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	26.0	36.9	29.0
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	45.9
10,000 to 49,999 lb	31.3	S	47.2
50,000 to 99,999 lb	36.0	25.0	25.3
100,000 lb or more	42.7	28.8	45.2
SCTG 43, Mixed freight	17.0	25.3	24.0
Less than 50 lb	34.8	42.6	25.5
50 to 99 lb	34.2	27.8	33.7
100 to 499 lb	27.0	44.6	S
500 to 749 lb	29.3	47.2	S
750 to 999 lb	36.3	S	49.7
1,000 to 9,999 lb	30.4	31.9	27.4
10,000 to 49,999 lb	32.7	32.7	31.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	24.4	49.8	S
Less than 50 lb	30.1	29.9	39.0
50 to 99 lb	S	47.0	S
100 to 499 lb	41.5	41.4	44.6
500 to 749 lb	41.0	S	43.5
750 to 999 lb	S	S	42.9
1,000 to 9,999 lb	45.4	S	40.9
10,000 to 49,999 lb	37.8	40.1	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	3.8	8.4	8.8	4.3	4.7	10.6	8.9	5.4	16.8	16.7
Less than 50 lb	7.5	6.8	5.5	4.9	6.1	8.8	8.8	10.7	9.8	9.3
50 to 99 lb	7.9	6.3	7.2	7.9	10.0	7.1	6.8	17.6	14.0	14.5
100 to 499 lb	6.7	4.2	4.7	6.3	8.3	6.6	6.9	18.2	9.2	11.3
500 to 749 lb	8.2	5.8	4.5	5.3	13.4	8.1	8.3	9.6	10.8	12.6
750 to 999 lb	8.8	5.4	21.2	13.1	8.8	6.1	5.7	19.6	12.6	13.3
1,000 to 9,999 lb	4.2	4.2	7.3	7.3	6.3	5.9	7.5	5.8	8.0	8.7
10,000 to 49,999 lb	4.5	10.8	6.8	6.9	6.1	14.2	14.1	14.6	11.3	12.1
50,000 to 99,999 lb	10.7	15.8	28.4	19.6	9.8	16.9	14.6	25.7	28.7	29.5
100,000 lb or more	16.3	19.8	21.5	18.3	13.3	21.1	26.0	45.7	37.9	39.2
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	22.4	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	23.4	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	23.9	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.4	—	—	—	S	S	S
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—
SCTG 02, Cereal grains	S	40.4	46.3	22.4	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	22.3	S	S	S	S	S	S
100 to 499 lb	S	S	S	21.8	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	22.4	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	22.3	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	22.4	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	49.7	49.2	49.9	20.9	—	—	—	—	—	—
SCTG 03, Other agricultural products	21.9	31.1	32.9	20.0	29.7	31.6	40.5	23.6	S	S
Less than 50 lb	37.9	33.5	S	19.3	S	42.5	36.1	38.1	35.8	34.8
50 to 99 lb	44.5	41.7	35.1	S	S	48.2	31.6	S	S	S
100 to 499 lb	34.2	37.1	28.0	37.9	42.1	43.5	31.4	40.0	35.0	34.8
500 to 749 lb	38.2	43.1	37.5	S	45.3	S	S	S	S	S
750 to 999 lb	35.0	36.0	32.2	S	40.1	39.2	42.8	S	S	S
1,000 to 9,999 lb	30.2	31.0	23.9	S	35.0	34.0	32.4	28.4	36.7	38.1
10,000 to 49,999 lb	38.8	S	S	37.6	32.6	38.1	35.3	S	S	48.2
50,000 to 99,999 lb	43.3	S	S	19.6	41.5	S	S	S	S	S
100,000 lb or more	S	S	S	24.3	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	38.3	40.9	20.5	36.2	46.1	S	S	S	S
50 to 99 lb	34.8	36.1	S	S	35.1	40.7	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	22.0	S	S	S	—	—	—
750 to 999 lb	S	S	S	21.4	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	40.2	27.3	S	28.2	29.7	40.1	40.5	36.1	37.9	39.9
100,000 lb or more	46.1	42.4	S	20.9	S	S	S	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	11.3	15.1	24.9	16.9	17.3	22.2	25.7	18.2	21.3	21.4
Less than 50 lb	41.4	39.8	S	18.3	43.2	42.5	S	S	S	S
50 to 99 lb	36.5	30.1	33.3	S	38.6	30.4	38.6	S	46.6	45.9
100 to 499 lb	20.8	24.7	29.2	28.0	23.3	26.7	35.8	31.2	35.5	35.2
500 to 749 lb	18.8	24.9	27.6	23.6	23.9	29.9	36.5	35.0	35.9	38.0
750 to 999 lb	18.8	26.2	22.8	26.9	22.8	24.5	27.5	43.5	49.3	S
1,000 to 9,999 lb	17.1	18.8	37.6	27.5	20.9	22.1	23.8	23.7	23.6	25.6
10,000 to 49,999 lb	20.8	25.0	26.2	26.4	36.7	44.7	S	S	S	S
50,000 to 99,999 lb	S	S	S	21.9	S	S	S	—	—	—
100,000 lb or more	S	S	S	22.4	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	24.3	28.9	23.3	23.3	28.9	38.8	40.0	31.8	34.2	35.3
Less than 50 lb	S	39.6	S	20.3	42.5	49.9	S	S	S	S
50 to 99 lb	39.1	46.4	48.2	39.0	44.1	S	41.8	S	S	S
100 to 499 lb	38.4	37.0	38.7	44.2	39.0	39.9	36.8	S	47.3	49.9
500 to 749 lb	42.6	35.9	30.5	24.9	49.7	42.8	47.1	42.9	39.9	41.9
750 to 999 lb	37.7	42.3	46.0	25.7	40.9	42.1	42.7	47.7	S	S
1,000 to 9,999 lb	27.2	29.2	33.3	16.9	24.7	34.0	36.6	37.4	39.3	43.3
10,000 to 49,999 lb	29.7	33.8	22.6	36.3	41.5	S	47.7	37.0	39.2	39.0
50,000 to 99,999 lb	S	S	S	29.6	S	S	S	—	—	—
100,000 lb or more	S	41.1	S	23.9	S	S	S	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	10.9	13.7	12.4	19.9	18.3	24.1	29.5	14.1	12.2	12.4
Less than 50 lb	45.4	38.0	36.2	23.0	S	46.9	40.0	43.6	36.1	36.6
50 to 99 lb	43.2	30.4	43.8	20.6	S	36.5	36.6	S	43.3	39.7
100 to 499 lb	22.8	24.2	39.2	38.7	29.1	31.4	30.2	23.9	26.0	26.0
500 to 749 lb	23.2	24.3	37.5	45.5	28.4	33.7	29.5	42.1	34.4	33.2
750 to 999 lb	24.7	22.8	31.9	18.8	33.9	28.1	31.3	29.5	22.5	23.0
1,000 to 9,999 lb	23.0	22.9	25.4	20.7	27.1	34.5	40.1	23.2	21.1	22.0
10,000 to 49,999 lb	9.9	15.4	14.1	16.4	24.2	31.7	38.3	17.0	15.0	15.0
50,000 to 99,999 lb	S	S	S	31.4	S	S	S	48.1	49.4	S
100,000 lb or more	S	S	S	27.0	S	S	S	—	—	—
SCTG 08, Alcoholic beverages	8.8	9.6	29.6	5.6	8.1	8.2	9.5	24.0	35.8	37.0
Less than 50 lb	S	33.3	40.9	6.7	49.8	32.3	39.4	S	S	S
50 to 99 lb	21.0	14.6	15.6	5.4	21.8	14.9	16.7	36.3	29.0	30.3
100 to 499 lb	17.3	13.0	16.1	4.9	17.5	13.2	15.3	27.8	27.9	30.9
500 to 749 lb	11.4	10.7	11.6	7.9	11.5	10.7	10.9	34.2	39.6	40.1
750 to 999 lb	16.8	16.0	16.6	12.0	17.3	16.6	18.7	S	46.8	44.6
1,000 to 9,999 lb	11.2	12.3	14.4	8.2	11.3	12.5	13.9	28.5	35.7	37.0
10,000 to 49,999 lb	31.4	35.4	39.8	20.6	24.2	26.0	33.4	42.7	44.8	44.7
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	18.3	26.5	26.4	49.4	17.2	21.2	25.0	32.2	39.1	40.3
Less than 50 lb	30.2	29.1	39.9	39.3	35.0	33.1	28.9	39.2	41.6	40.5
50 to 99 lb	34.5	35.0	38.5	S	30.8	30.6	33.2	S	S	S
100 to 499 lb	25.5	21.7	26.9	S	22.3	22.4	25.0	42.5	35.2	34.3
500 to 749 lb	27.7	21.8	27.1	S	30.6	25.3	30.2	49.9	S	S
750 to 999 lb	26.7	28.1	S	S	33.5	38.1	42.9	S	S	S
1,000 to 9,999 lb	24.1	34.4	41.5	40.2	35.6	27.9	34.9	42.2	39.3	40.0
10,000 to 49,999 lb	42.4	S	37.1	S	47.2	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	22.4	S	S	S	—	—	—
SCTG 10, Monumental or building stone	17.9	23.8	42.7	20.3	31.6	39.6	32.6	32.2	27.0	28.8
Less than 50 lb	47.0	S	S	S	S	S	S	—	—	—
50 to 99 lb	35.4	S	S	23.0	S	S	S	S	—	S
100 to 499 lb	27.0	28.8	34.2	16.4	40.2	42.8	38.8	S	S	S
500 to 749 lb	30.0	34.8	41.8	16.2	S	S	S	S	S	S
750 to 999 lb	33.0	33.0	32.4	18.8	S	S	S	S	S	S
1,000 to 9,999 lb	33.4	22.8	38.7	17.4	28.9	28.9	37.6	S	S	S
10,000 to 49,999 lb	27.5	29.7	S	21.8	32.5	S	38.3	42.1	32.4	34.8
50,000 to 99,999 lb	42.7	42.5	43.3	43.9	35.8	35.6	48.4	S	S	S
100,000 lb or more	S	S	S	48.0	S	S	S	—	—	—
SCTG 11, Natural sands	26.0	32.5	23.2	S	31.4	33.7	30.8	37.7	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	22.4	S	S	S	—	—	—
100 to 499 lb	48.8	42.9	S	39.0	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	48.7	S	S	S	—	—	—
1,000 to 9,999 lb	34.8	36.7	S	S	37.0	37.4	S	S	S	S
10,000 to 49,999 lb	31.6	39.4	35.5	S	35.9	39.9	36.6	S	S	S
50,000 to 99,999 lb	34.2	39.7	25.8	S	39.3	41.3	37.6	48.0	S	S
100,000 lb or more	S	S	38.6	23.8	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	13.0	14.5	24.8	39.7	12.5	15.3	17.3	38.4	S	S
Less than 50 lb	S	S	S	22.4	—	—	—	—	—	—
50 to 99 lb	S	S	S	22.4	S	S	S	—	—	—
100 to 499 lb	S	49.4	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	22.2	S	S	S	—	—	—
750 to 999 lb	S	S	S	21.2	S	S	S	—	—	—
1,000 to 9,999 lb	25.0	23.8	36.9	S	26.7	25.0	26.2	S	S	S
10,000 to 49,999 lb	15.6	22.9	27.9	42.7	15.4	23.8	26.2	42.6	S	S
50,000 to 99,999 lb	20.5	21.6	23.4	17.2	21.3	21.8	25.5	S	S	S
100,000 lb or more	32.1	34.7	41.9	44.0	35.1	36.1	44.9	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	22.1	35.9	20.9	43.1	27.7	S	34.2	31.1	30.9	28.5
Less than 50 lb	S	S	S	29.6	S	S	S	S	S	S
50 to 99 lb	43.5	S	S	S	—	S	S	—	—	—
100 to 499 lb	S	46.8	S	24.0	46.9	45.5	S	S	S	S
500 to 749 lb	31.6	48.7	47.2	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	24.9	S	S	S	—	—	—
1,000 to 9,999 lb	26.8	35.7	37.2	47.5	47.2	44.3	43.0	S	47.7	47.4
10,000 to 49,999 lb	28.4	33.7	24.2	S	32.4	S	34.6	35.2	33.0	30.5
50,000 to 99,999 lb	27.8	S	32.7	S	43.4	S	45.8	S	S	S
100,000 lb or more	25.8	35.3	29.2	21.9	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	S	47.3	S	21.5	S	S	S	S	S	S
Less than 50 lb	S	S	S	27.1	S	S	S	S	S	S
50 to 99 lb	S	S	S	21.8	S	S	S	S	S	S
100 to 499 lb	S	S	S	22.7	S	S	S	S	S	S
500 to 749 lb	S	S	S	22.0	S	S	S	—	—	—
750 to 999 lb	S	S	S	22.4	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	24.8	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	22.4	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	22.4	S	S	S	—	—	—
SCTG 15, Coal	S	S	S	22.0	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	22.4	S	S	S	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	11.3	12.0	21.9	7.6	12.0	12.9	15.6	47.5	48.5	48.3
Less than 50 lb	S	S	S	22.4	S	S	S	—	—	—
50 to 99 lb	S	S	S	23.6	S	S	S	—	—	—
100 to 499 lb	S	S	S	26.9	S	S	S	—	—	—
500 to 749 lb	S	S	S	23.1	S	S	S	S	S	S
750 to 999 lb	S	S	S	28.0	S	S	S	—	—	—
1,000 to 9,999 lb	32.4	34.4	31.2	22.1	34.7	38.4	37.1	S	42.4	43.5
10,000 to 49,999 lb	18.8	18.2	18.5	12.5	20.3	19.8	23.6	23.8	21.9	22.2
50,000 to 99,999 lb	15.4	15.6	25.8	9.4	12.8	12.6	17.6	S	S	S
100,000 lb or more	49.1	48.3	S	26.2	S	S	S	S	S	S
SCTG 18, Fuel oils	16.9	21.9	43.3	20.3	11.5	15.0	28.7	44.7	S	S
Less than 50 lb	S	S	S	22.2	—	—	—	S	S	S
50 to 99 lb	S	S	S	23.0	S	S	S	S	S	S
100 to 499 lb	39.2	39.1	44.7	37.3	40.2	39.1	47.5	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	49.7	49.6	39.6	S	S	S	49.5	S	47.8	46.6
1,000 to 9,999 lb	25.2	28.0	32.7	44.2	29.9	29.7	31.9	48.0	38.0	40.1
10,000 to 49,999 lb	20.9	23.6	S	17.9	18.6	20.9	25.8	S	S	S
50,000 to 99,999 lb	19.8	27.7	44.0	15.8	13.0	16.4	33.4	45.1	S	S
100,000 lb or more	S	S	S	22.2	S	S	S	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	15.1	16.9	17.9	36.5	16.9	17.3	18.7	30.5	31.4	30.5
Less than 50 lb	41.8	31.6	S	S	42.4	33.7	39.0	S	S	S
50 to 99 lb	36.3	31.9	32.8	S	37.0	33.0	31.3	S	S	S
100 to 499 lb	37.1	24.1	42.5	45.2	43.2	27.6	35.0	32.6	34.2	35.5
500 to 749 lb	26.5	33.9	39.4	S	32.0	42.2	33.6	47.0	47.3	46.7
750 to 999 lb	27.6	47.1	27.2	25.7	34.8	S	31.0	37.9	42.2	42.3
1,000 to 9,999 lb	28.0	25.2	35.1	S	32.3	24.1	22.5	42.3	48.8	47.8
10,000 to 49,999 lb	19.6	16.5	26.2	24.4	21.6	16.5	25.2	S	S	S
50,000 to 99,999 lb	29.0	29.8	21.4	25.5	31.8	31.0	23.7	46.3	42.8	43.6
100,000 lb or more	S	S	S	23.3	S	S	S	—	—	—
SCTG 20, Basic chemicals ..	12.2	17.7	26.3	42.5	17.8	18.7	22.3	21.8	27.2	26.5
Less than 50 lb	36.2	S	28.1	S	S	S	S	S	31.9	33.7
50 to 99 lb	27.2	S	29.7	S	34.8	S	S	44.2	41.1	41.1
100 to 499 lb	24.5	42.6	31.7	45.9	28.5	S	49.0	26.6	19.3	19.8
500 to 749 lb	21.5	20.6	31.9	29.7	33.9	30.5	30.0	38.3	40.8	38.9
750 to 999 lb	27.1	30.9	36.7	32.3	27.0	31.3	31.8	S	46.4	45.6
1,000 to 9,999 lb	15.1	20.7	24.8	28.7	27.5	23.3	24.5	30.6	22.0	21.3
10,000 to 49,999 lb	16.8	21.4	29.1	16.9	22.8	28.4	31.4	41.0	36.7	36.9
50,000 to 99,999 lb	42.4	48.7	49.8	29.0	49.0	S	S	47.1	43.7	43.8
100,000 lb or more	45.4	39.0	48.0	19.6	S	S	S	—	—	—
SCTG 21, Pharmaceutical products	30.2	30.8	23.9	19.1	20.2	21.2	21.1	47.0	S	S
Less than 50 lb	39.4	39.5	33.0	19.4	31.0	S	S	37.1	47.0	S
50 to 99 lb	S	S	S	25.9	33.1	29.9	25.8	S	S	S
100 to 499 lb	36.3	43.9	31.3	32.2	22.5	21.3	21.9	S	S	S
500 to 749 lb	32.5	27.4	38.9	38.1	42.4	38.4	41.8	38.4	33.4	33.0
750 to 999 lb	S	S	S	24.9	S	S	S	48.9	S	S
1,000 to 9,999 lb	34.3	22.7	37.7	20.1	38.8	29.4	40.8	39.6	31.3	31.3
10,000 to 49,999 lb	S	S	S	20.7	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	S	S	S	21.4	S	S	S	S	S	S
Less than 50 lb	S	S	S	22.3	42.6	49.4	49.2	S	S	S
50 to 99 lb	S	S	S	22.6	S	S	S	—	—	—
100 to 499 lb	46.5	39.1	S	20.6	S	42.6	S	S	S	S
500 to 749 lb	S	S	S	22.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.7	S	S	S	S	S	S
1,000 to 9,999 lb	48.4	S	S	22.6	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	26.6	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	13.1	17.2	26.6	21.7	18.0	20.8	24.9	21.2	25.0	22.8
Less than 50 lb	19.4	23.0	17.7	33.6	25.6	28.6	27.8	32.8	31.8	31.0
50 to 99 lb	20.3	20.1	14.1	26.3	30.3	30.5	27.2	27.5	26.6	25.6
100 to 499 lb	23.2	19.5	31.3	11.6	39.5	20.7	20.5	17.3	14.6	14.9
500 to 749 lb	22.1	27.8	S	15.4	26.0	25.4	29.9	37.3	29.9	31.1
750 to 999 lb	30.3	26.2	39.0	18.1	34.8	27.8	28.9	43.0	30.2	32.9
1,000 to 9,999 lb	13.5	16.4	23.2	15.7	21.8	25.7	27.0	17.4	25.5	23.2
10,000 to 49,999 lb	25.0	24.3	33.8	17.7	33.6	31.2	35.7	39.9	36.5	35.1
50,000 to 99,999 lb	S	S	S	21.2	S	S	S	—	—	—
100,000 lb or more	S	S	S	21.8	—	—	—	—	—	—
SCTG 24, Plastics and rubber	7.0	42.6	33.2	11.3	16.9	S	S	15.1	47.5	46.4
Less than 50 lb	13.1	18.9	17.9	13.9	20.6	21.6	25.2	25.1	32.5	31.6
50 to 99 lb	11.7	21.3	33.8	18.7	18.2	21.5	25.3	28.4	42.6	40.2
100 to 499 lb	11.2	21.4	26.4	12.1	15.8	21.2	22.9	24.0	31.0	31.6
500 to 749 lb	14.8	23.2	26.0	13.0	31.8	29.6	35.6	23.8	25.3	22.9
750 to 999 lb	13.3	20.8	15.6	20.7	37.5	42.4	28.6	30.5	37.6	39.6
1,000 to 9,999 lb	13.3	15.2	18.2	13.4	37.6	30.9	36.5	18.8	19.1	20.1
10,000 to 49,999 lb	11.6	14.8	15.1	7.6	27.9	33.1	28.2	27.6	25.5	26.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	17.9	S	S	41.2	S	S	S
Less than 50 lb	S	S	S	22.0	S	S	S	S	S	S
50 to 99 lb	S	S	S	28.0	S	S	S	S	S	S
100 to 499 lb	S	S	S	29.9	S	S	S	S	S	S
500 to 749 lb	S	S	S	27.3	S	S	S	—	—	—
750 to 999 lb	S	S	S	21.8	S	S	S	S	S	S
1,000 to 9,999 lb	S	38.0	36.2	21.2	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	47.8	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	19.7	S	S	41.6	S	S	S
100,000 lb or more	S	S	S	21.9	S	S	S	S	S	S
SCTG 26, Wood products	9.1	35.3	19.4	11.0	12.0	48.7	43.1	12.4	14.8	16.0
Less than 50 lb	22.4	23.6	40.5	17.7	24.7	21.0	24.4	35.2	38.3	39.8
50 to 99 lb	21.8	26.0	22.8	S	29.2	35.2	33.3	36.4	32.2	33.4
100 to 499 lb	19.8	19.7	17.0	31.5	21.9	24.3	19.0	31.8	30.0	31.2
500 to 749 lb	25.7	23.2	33.1	24.2	28.0	27.3	21.8	30.1	23.0	24.0
750 to 999 lb	32.4	19.2	24.5	21.3	42.0	22.8	22.4	19.7	26.6	23.2
1,000 to 9,999 lb	22.6	18.9	16.6	19.7	25.0	26.3	16.8	30.1	21.9	21.4
10,000 to 49,999 lb	12.7	S	26.3	43.2	16.5	S	16.3	14.7	20.2	22.0
50,000 to 99,999 lb	15.1	44.4	17.2	37.2	30.0	S	40.9	22.7	25.3	28.0
100,000 lb or more	20.6	17.6	22.5	11.6	S	S	S	33.2	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	10.3	9.4	14.3	17.6	10.4	18.2	19.9	21.5	18.3	18.1
Less than 50 lb	23.6	22.9	21.0	45.7	31.1	24.4	24.9	28.6	40.6	41.2
50 to 99 lb	17.3	21.5	25.5	S	22.6	23.1	24.6	44.1	S	S
100 to 499 lb	14.0	12.8	18.5	33.8	19.5	14.6	12.9	32.8	36.5	35.6
500 to 749 lb	23.6	17.5	27.0	43.5	24.4	17.6	17.4	38.0	46.3	S
750 to 999 lb	17.8	20.8	S	17.4	21.3	17.5	19.8	35.7	48.5	42.3
1,000 to 9,999 lb	14.4	14.0	20.5	14.1	14.7	17.4	16.1	23.8	29.8	29.1
10,000 to 49,999 lb	13.4	12.6	13.1	5.5	12.4	16.5	27.1	30.2	26.6	25.3
50,000 to 99,999 lb	43.9	37.7	32.1	24.9	S	S	S	S	S	S
100,000 lb or more	14.6	18.1	28.6	9.5	S	S	S	S	45.2	45.0
SCTG 28, Paper or paperboard articles	10.9	9.5	31.0	15.3	13.3	16.3	14.3	25.2	16.2	17.1
Less than 50 lb	16.5	20.7	18.7	15.0	23.7	28.6	28.0	31.2	30.3	29.1
50 to 99 lb	26.8	21.1	31.7	38.3	31.3	25.4	25.7	36.3	S	46.3
100 to 499 lb	16.9	16.4	24.0	36.9	19.0	22.1	22.1	27.6	25.1	23.5
500 to 749 lb	18.1	17.1	22.3	21.4	22.4	25.3	26.9	31.8	33.2	35.9
750 to 999 lb	23.3	21.7	24.2	25.7	28.1	27.4	24.3	41.9	41.8	42.3
1,000 to 9,999 lb	16.9	17.0	S	27.2	19.0	20.1	22.0	20.6	22.8	23.6
10,000 to 49,999 lb	19.0	13.7	18.0	12.0	25.2	25.9	18.2	41.6	27.3	28.7
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	—	—	—
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	11.1	10.2	10.2	18.1	10.0	14.0	12.9	15.0	25.1	20.8
Less than 50 lb	23.2	14.9	19.9	18.1	19.5	22.8	13.6	20.0	17.0	17.1
50 to 99 lb	16.0	20.1	33.9	26.2	31.1	26.6	23.0	24.3	19.8	19.1
100 to 499 lb	16.1	22.3	20.6	42.0	18.0	29.4	23.5	23.7	27.2	26.2
500 to 749 lb	44.1	20.7	29.4	18.7	S	24.1	20.6	44.9	36.9	35.5
750 to 999 lb	18.9	26.7	18.4	40.6	23.1	31.9	31.6	40.2	32.0	29.5
1,000 to 9,999 lb	15.0	14.4	13.5	42.4	12.4	17.3	15.5	29.0	S	41.3
10,000 to 49,999 lb	17.7	17.7	17.3	32.5	29.2	29.6	25.5	21.5	19.2	19.4
50,000 to 99,999 lb	40.8	45.7	S	32.4	S	46.5	S	S	S	S
100,000 lb or more	39.5	S	S	21.1	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	7.7	8.1	11.5	3.5	10.0	10.4	9.2	22.6	24.8	20.7
Less than 50 lb	17.5	18.0	15.8	3.7	16.0	17.2	18.9	17.0	13.7	13.7
50 to 99 lb	13.3	10.5	13.6	6.3	22.0	18.7	20.2	20.8	26.0	28.1
100 to 499 lb	13.6	8.8	14.6	8.2	21.7	19.7	20.5	42.9	30.2	29.0
500 to 749 lb	15.3	14.0	18.3	10.5	29.3	35.9	29.7	48.1	26.9	26.0
750 to 999 lb	15.3	14.9	13.8	14.3	44.1	31.3	42.6	23.9	35.5	33.9
1,000 to 9,999 lb	10.9	11.8	17.2	6.9	10.5	10.6	12.8	S	S	43.8
10,000 to 49,999 lb	16.9	8.5	16.2	9.5	21.3	20.5	23.6	28.6	33.0	35.6
50,000 to 99,999 lb	S	S	S	21.4	S	S	S	—	—	—
100,000 lb or more	S	S	S	35.2	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	11.3	17.4	28.7	11.0	15.3	21.2	18.0	24.7	34.8	33.7
Less than 50 lb	40.0	30.2	29.1	11.6	46.1	39.2	48.8	45.1	31.9	33.6
50 to 99 lb	30.8	19.0	24.1	26.8	S	26.1	23.9	44.3	S	S
100 to 499 lb	11.9	15.0	19.3	27.4	21.4	21.2	22.5	34.2	36.1	38.1
500 to 749 lb	45.5	23.8	36.3	35.8	32.6	33.1	44.7	S	S	S
750 to 999 lb	32.1	28.4	26.9	S	35.6	37.2	S	S	S	S
1,000 to 9,999 lb	17.1	19.3	31.1	23.8	28.9	24.1	28.7	25.7	30.2	30.0
10,000 to 49,999 lb	14.4	22.8	27.1	S	18.5	26.3	20.4	32.9	49.4	46.3
50,000 to 99,999 lb	34.0	39.9	41.0	S	49.3	S	S	S	45.2	45.3
100,000 lb or more	48.9	37.7	S	49.3	46.8	33.6	46.6	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	11.9	30.2	45.9	10.2	11.7	16.8	13.7	12.0	15.9	16.4
Less than 50 lb	26.7	19.3	20.2	18.8	18.9	17.9	22.1	S	47.8	43.6
50 to 99 lb	24.2	17.2	18.6	14.2	22.7	15.1	19.0	S	49.5	46.0
100 to 499 lb	12.4	14.1	14.0	21.8	16.3	19.3	20.2	16.9	20.8	19.1
500 to 749 lb	26.5	17.8	23.2	32.2	41.9	22.6	25.4	34.6	16.7	14.8
750 to 999 lb	27.2	28.0	S	19.4	S	26.2	28.3	S	33.1	33.1
1,000 to 9,999 lb	11.1	13.8	18.4	12.5	16.8	21.8	22.8	14.3	15.6	15.9
10,000 to 49,999 lb	10.9	14.6	19.2	13.3	14.6	19.0	15.7	16.6	20.2	20.8
50,000 to 99,999 lb	26.2	30.7	S	21.4	38.8	45.9	46.1	49.9	46.7	49.5
100,000 lb or more	45.7	S	S	16.1	S	47.3	S	38.9	S	S
SCTG 33, Articles of base metal	12.5	16.9	29.3	13.7	16.4	18.4	21.2	18.0	28.7	26.1
Less than 50 lb	15.4	14.2	22.8	17.2	26.4	17.7	17.5	16.2	19.9	19.9
50 to 99 lb	13.9	15.0	24.7	17.1	19.1	19.5	17.8	19.6	17.7	17.6
100 to 499 lb	15.8	13.6	21.8	12.1	24.7	14.4	13.0	22.2	20.1	20.4
500 to 749 lb	20.9	15.0	20.2	11.3	S	26.6	23.8	21.9	25.9	24.5
750 to 999 lb	22.7	16.6	25.7	18.8	49.0	26.5	19.3	29.8	33.6	33.7
1,000 to 9,999 lb	20.9	18.8	20.6	14.0	38.9	28.5	22.2	27.2	24.3	24.8
10,000 to 49,999 lb	21.1	18.1	14.4	25.9	33.7	27.7	34.6	44.7	47.4	41.0
50,000 to 99,999 lb	40.5	46.0	S	23.9	S	S	S	S	S	S
100,000 lb or more	S	S	S	25.9	S	S	S	S	S	S
SCTG 34, Machinery	9.5	9.3	15.9	10.9	13.3	17.0	21.2	16.8	12.7	12.5
Less than 50 lb	13.0	10.5	14.3	14.0	15.6	12.4	16.2	21.8	20.1	19.8
50 to 99 lb	17.4	17.8	31.9	12.0	25.1	17.5	19.6	21.9	30.1	27.2
100 to 499 lb	18.6	12.2	14.0	10.4	14.6	14.8	17.7	30.3	21.4	21.2
500 to 749 lb	27.7	21.5	25.6	12.7	35.3	27.0	28.2	38.5	40.7	43.8
750 to 999 lb	40.4	22.2	22.6	22.7	S	41.8	42.8	S	32.4	33.1
1,000 to 9,999 lb	15.0	14.8	18.9	10.6	16.0	26.6	22.0	30.1	19.4	18.8
10,000 to 49,999 lb	17.2	17.6	27.4	14.4	S	39.3	49.3	35.0	46.0	45.3
50,000 to 99,999 lb	S	S	S	21.7	—	—	—	—	—	—
100,000 lb or more	49.1	S	S	24.4	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	11.5	10.9	10.9	8.9	14.7	18.0	18.0	24.3	19.2	18.1
Less than 50 lb	12.6	9.5	14.6	9.7	11.5	16.2	12.3	18.6	20.2	19.2
50 to 99 lb	14.2	13.9	15.7	7.5	19.2	20.5	20.1	20.4	23.3	20.7
100 to 499 lb	17.7	17.4	17.3	9.6	22.8	18.5	18.8	38.5	16.6	15.1
500 to 749 lb	23.6	27.3	19.7	17.5	42.6	45.0	41.6	34.3	22.5	23.0
750 to 999 lb	26.0	26.3	21.4	16.0	S	S	41.7	S	38.0	37.9
1,000 to 9,999 lb	11.8	11.5	14.1	9.1	30.6	23.7	32.6	36.1	20.6	21.3
10,000 to 49,999 lb	18.7	14.5	17.4	14.0	40.9	38.9	44.6	38.9	46.9	43.3
50,000 to 99,999 lb	S	S	S	23.3	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	16.3	23.3	18.2	44.2	15.2	41.7	43.9	S	49.5	48.0
Less than 50 lb	22.8	28.3	24.6	S	28.6	38.3	24.7	47.8	23.9	23.1
50 to 99 lb	18.2	23.6	38.9	29.9	31.6	40.6	21.2	37.0	39.8	42.3
100 to 499 lb	15.7	11.2	26.9	26.0	30.5	22.0	24.6	26.9	32.3	32.9
500 to 749 lb	19.4	21.4	22.9	23.9	40.1	37.8	25.6	S	S	S
750 to 999 lb	48.6	34.6	S	21.8	S	42.3	30.8	S	37.0	37.2
1,000 to 9,999 lb	16.7	17.5	23.1	19.2	24.5	25.5	25.2	38.2	36.6	35.7
10,000 to 49,999 lb	S	S	19.1	S	39.9	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	25.6	S	S	S	—	—	—
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	16.8	11.3	16.7	18.2	14.6	8.3	40.3	31.5	S	S
Less than 50 lb	26.0	25.6	38.4	20.8	34.3	34.7	28.4	37.8	42.6	40.3
50 to 99 lb	S	39.7	43.2	22.2	S	S	S	47.2	S	S
100 to 499 lb	31.1	33.1	39.2	15.2	S	S	S	39.6	34.8	34.8
500 to 749 lb	27.7	33.5	36.2	19.0	S	S	S	S	S	S
750 to 999 lb	S	34.4	41.2	25.3	S	S	S	S	S	S
1,000 to 9,999 lb	29.0	33.5	31.5	15.3	S	S	S	S	S	S
10,000 to 49,999 lb	35.3	32.1	44.3	20.1	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.4	—	—	—	—	—	—
100,000 lb or more	—	—	—	22.9	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	12.6	15.0	18.1	8.1	17.2	27.0	27.5	29.1	24.2	25.2
Less than 50 lb	16.3	27.6	11.2	8.5	18.7	S	S	25.3	21.7	21.0
50 to 99 lb	23.3	19.9	18.4	11.9	23.9	33.9	45.6	36.9	42.4	42.1
100 to 499 lb	19.5	23.1	15.1	15.2	40.3	47.1	43.8	46.6	31.2	31.1
500 to 749 lb	32.1	25.6	20.6	29.3	47.8	47.1	S	35.3	S	48.5
750 to 999 lb	30.9	35.3	23.7	36.1	S	S	S	30.6	34.1	33.0
1,000 to 9,999 lb	25.3	18.8	26.7	10.6	25.8	33.7	37.2	39.1	41.4	43.4
10,000 to 49,999 lb	35.8	35.6	36.6	19.2	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	15.9	11.9	15.6	12.9	31.8	20.6	23.5	25.3	20.7	20.5
Less than 50 lb	23.1	22.2	41.2	13.4	40.7	24.4	26.0	32.3	35.0	33.5
50 to 99 lb	36.3	25.5	26.5	15.3	49.9	25.3	29.7	42.4	41.2	42.1
100 to 499 lb	30.0	17.7	20.5	17.6	S	22.7	29.1	23.2	33.2	32.2
500 to 749 lb	20.1	25.2	20.9	29.6	34.7	40.1	44.3	36.6	37.9	41.9
750 to 999 lb	18.3	20.7	24.2	34.1	33.8	32.9	42.4	37.7	34.5	34.5
1,000 to 9,999 lb	17.6	16.8	19.0	17.0	26.4	30.3	30.3	37.8	27.2	27.1
10,000 to 49,999 lb	16.7	18.4	27.9	16.7	34.2	33.4	42.4	33.3	28.0	28.4
50,000 to 99,999 lb	S	S	S	22.9	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	8.7	34.6	S	5.1	16.6	S	S	16.2	42.8	41.2
Less than 50 lb	9.0	10.4	10.1	5.2	14.4	15.5	15.0	13.3	15.9	15.6
50 to 99 lb	13.7	11.2	16.9	9.1	19.4	18.0	15.5	21.4	28.0	25.9
100 to 499 lb	15.3	15.2	16.2	12.2	25.3	24.6	26.1	24.4	28.8	27.7
500 to 749 lb	21.1	18.6	15.5	20.4	28.7	31.3	33.4	25.3	31.4	32.9
750 to 999 lb	13.5	16.4	16.0	22.3	S	35.7	39.7	28.8	33.5	35.0
1,000 to 9,999 lb	9.1	17.4	10.6	14.3	24.6	28.0	30.8	16.1	28.6	30.0
10,000 to 49,999 lb	34.2	S	20.8	43.6	S	S	S	30.9	37.3	41.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.4	S	S	S	S	S	S
SCTG 41, Waste and scrap .	26.0	36.9	29.0	25.1	28.4	43.3	47.1	38.8	35.6	40.1
Less than 50 lb	S	S	S	29.3	S	S	S	S	S	S
50 to 99 lb	S	S	S	22.2	S	S	S	S	S	S
100 to 499 lb	S	S	S	21.3	S	S	S	S	S	S
500 to 749 lb	S	S	S	22.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	23.5	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	45.9	S	S	S	S	S	42.0	41.3
10,000 to 49,999 lb	31.3	S	47.2	33.2	33.9	S	S	40.0	37.0	34.9
50,000 to 99,999 lb	36.0	25.0	25.3	45.7	S	49.2	S	S	34.3	32.7
100,000 lb or more	42.7	28.8	45.2	24.3	S	S	S	S	S	S
SCTG 43, Mixed freight	17.0	25.3	24.0	S	19.5	28.9	34.2	24.8	35.5	36.9
Less than 50 lb	34.8	42.6	25.5	S	41.0	47.1	48.4	38.7	29.0	29.8
50 to 99 lb	34.2	27.8	33.7	S	38.5	34.9	37.6	S	34.4	38.0
100 to 499 lb	27.0	44.6	S	S	38.2	39.1	37.0	29.0	S	S
500 to 749 lb	29.3	47.2	S	27.0	33.5	38.6	40.8	S	S	S
750 to 999 lb	36.3	S	49.7	28.0	38.4	46.2	46.6	47.1	S	S
1,000 to 9,999 lb	30.4	31.9	27.4	19.1	37.3	37.8	45.3	31.8	37.7	37.7
10,000 to 49,999 lb	32.7	32.7	31.3	16.8	34.3	37.1	39.6	36.6	38.9	38.6
50,000 to 99,999 lb	S	S	S	22.1	S	S	S	—	—	—
100,000 lb or more	S	S	S	22.4	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	24.4	49.8	S	14.4	46.8	48.4	S	42.8	47.7	42.4
Less than 50 lb	30.1	29.9	39.0	13.4	39.1	S	S	32.2	32.8	33.4
50 to 99 lb	S	47.0	S	40.9	S	S	S	S	S	S
100 to 499 lb	41.5	41.4	44.6	S	S	48.9	48.0	S	S	S
500 to 749 lb	41.0	S	43.5	S	S	S	S	49.6	S	S
750 to 999 lb	S	S	42.9	S	S	S	S	S	S	S
1,000 to 9,999 lb	45.4	S	40.9	S	S	S	S	S	S	S
10,000 to 49,999 lb	37.8	40.1	S	24.6	S	S	38.2	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	22.8	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	6.3	19.4	20.5	6.9	26.2	32.5	5.2	7.5	7.9	4.5	34.4	33.4
Less than 50 lb	10.6	12.3	11.1	9.6	10.8	10.7	5.3	5.8	6.2	5.9	5.1	5.2
50 to 99 lb	27.3	23.2	23.4	17.3	8.1	7.8	12.4	9.9	10.0	13.2	7.9	8.0
100 to 499 lb	14.7	13.3	15.1	14.3	7.3	7.8	7.3	8.1	8.3	11.0	8.9	8.9
500 to 749 lb	42.4	19.5	23.6	22.3	15.5	18.4	40.4	15.3	17.7	24.5	14.5	15.0
750 to 999 lb	17.9	15.0	17.3	17.9	15.2	15.3	24.6	17.3	17.5	36.4	14.7	14.0
1,000 to 9,999 lb	8.4	11.2	11.8	14.7	9.1	9.8	12.8	8.7	8.8	8.4	7.9	7.7
10,000 to 49,999 lb	7.1	20.5	24.0	11.5	10.4	10.0	8.5	9.4	9.3	8.5	9.3	9.2
50,000 to 99,999 lb	22.2	49.5	41.2	24.0	S	S	30.1	31.8	31.9	33.1	36.7	36.5
100,000 lb or more	31.1	48.1	S	35.4	37.2	40.0	S	28.0	28.2	30.7	S	S
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	S	S	S
SCTG 02, Cereal grains	—	—	—	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 03, Other agricultural products	27.1	37.4	38.8	S	S	S	45.0	44.5	44.7	S	S	49.6
Less than 50 lb	S	46.7	47.6	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	41.9	45.7	S	S	S	S	S	S	S	S	S
100 to 499 lb	48.6	44.9	45.9	S	S	S	S	S	S	S	S	S
500 to 749 lb	49.1	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	43.0	41.0	41.5	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	48.9	48.7	48.9	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	33.6	33.4	30.1	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	49.8	S	46.5	47.1	47.9	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	32.8	35.7	36.4	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	45.1	32.9	34.5	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	47.3	—	—	—	—	—	—	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	15.0	21.2	25.1	27.9	39.8	38.6	26.7	30.1	30.2	33.2	27.0	27.2
Less than 50 lb	43.1	40.0	42.7	S	S	S	S	S	S	S	S	S
50 to 99 lb	37.5	41.2	41.4	47.9	46.1	45.2	S	S	S	S	S	S
100 to 499 lb	30.4	28.8	29.1	S	49.8	S	46.3	38.3	39.2	S	S	S
500 to 749 lb	27.7	30.9	30.3	S	S	S	S	S	S	S	S	S
750 to 999 lb	36.9	31.9	34.2	44.4	41.1	42.7	S	S	S	S	S	S
1,000 to 9,999 lb	21.0	19.9	20.8	49.1	48.5	S	S	S	S	S	S	S
10,000 to 49,999 lb	31.6	44.2	49.1	S	S	S	33.7	36.3	36.1	35.3	36.2	36.8
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	28.4	29.0	28.5	26.8	37.3	37.2	29.7	43.4	44.6	27.4	23.8	23.1
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	35.5	33.0	31.8	S	S	S	S	S	S	S	S	S
750 to 999 lb	41.5	39.3	38.4	49.1	44.5	43.2	S	S	S	S	S	S
1,000 to 9,999 lb	41.8	39.2	37.0	36.4	41.6	41.8	39.2	43.3	45.5	S	S	S
10,000 to 49,999 lb	26.4	31.4	30.0	30.9	45.9	45.5	35.6	S	S	26.7	23.7	22.9
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	12.5	17.6	19.0	17.4	20.2	21.4	21.6	32.1	33.0	23.7	21.8	21.5
Less than 50 lb	S	S	S	S	S	S	S	S	S	47.1	42.1	42.4
50 to 99 lb	S	35.8	36.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	40.0	S	S	S	38.5	40.0	35.9	41.3	43.7	S	S	S
500 to 749 lb	44.1	S	S	38.8	34.2	35.1	S	41.2	40.8	42.5	43.1	43.5
750 to 999 lb	43.1	S	S	47.1	S	S	S	S	S	S	45.8	45.0
1,000 to 9,999 lb	29.0	39.6	42.0	23.8	24.1	24.5	S	34.0	36.5	S	40.5	37.4
10,000 to 49,999 lb	14.4	15.9	16.3	20.6	20.9	22.0	26.2	34.1	34.7	21.2	24.9	24.5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 08, Alcoholic beverages	38.5	44.0	44.6	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	40.6	44.6	45.2	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	S	48.3	48.6	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	44.7	46.3	S	43.9	43.3	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	48.6	48.5	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	32.7	30.6	29.2	36.0	38.7	40.6	49.1	S	S	43.1	42.8	43.1
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	42.9	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	28.9	35.4	33.8	33.6	36.6	37.8	33.7	43.3	49.2	S	S	S
500 to 749 lb	30.9	42.0	40.4	41.2	S	S	S	S	S	S	S	S
750 to 999 lb	46.7	42.0	43.1	44.5	48.3	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	48.7	45.6	40.2	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	49.6	44.9	44.5	S	S	S	S	S	S	43.1	41.6	41.8
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	39.6	43.2	43.1	42.9	S	S	S	S	S	S	48.3	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	48.1	49.5	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	45.6	44.5	44.3	S	48.1	44.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	S	46.4	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	31.4	31.6	30.9	25.7	30.2	28.6	38.3	25.7	24.6	46.5	28.6	28.8
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	S	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	41.7	38.0	38.7	S	S	S	S	S	S	49.7	43.5	43.5
10,000 to 49,999 lb	39.9	37.6	36.8	38.5	44.8	44.5	S	32.4	30.1	S	34.4	34.5
50,000 to 99,999 lb	46.3	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	41.9	S	47.4	47.3	47.3	47.3	S	S	S	S	S	49.6

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	S	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 15, Coal	—	—	—	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	37.7	31.3	30.7	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	49.4	49.0	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	39.5	42.7	41.8	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	S	S	S	—	—	—	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	48.4	49.0	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	40.4	43.5	45.2	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	38.7	44.8	48.5	S	S	S	S	S	S	49.8	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S	S	S	S
100 to 499 lb	45.3	39.6	40.0	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	42.8	43.0	44.7	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 20, Basic chemicals	28.2	26.9	28.6	27.4	34.8	35.7	19.6	26.2	27.4	23.7	42.3	42.6
Less than 50 lb	29.2	26.9	25.0	33.3	25.7	25.8	33.0	38.2	36.7	31.9	30.2	29.7
50 to 99 lb	40.3	36.8	31.8	S	S	S	S	S	S	S	S	S
100 to 499 lb	40.3	27.4	28.7	35.8	30.9	32.4	36.7	25.9	26.0	42.6	S	S
500 to 749 lb	49.1	39.5	38.2	S	37.8	39.3	S	36.9	37.7	S	S	S
750 to 999 lb	S	S	S	40.4	S	S	48.7	S	S	S	S	S
1,000 to 9,999 lb	28.1	33.6	33.2	31.3	40.8	42.6	21.7	31.7	31.1	35.6	48.9	S
10,000 to 49,999 lb	31.9	29.4	28.8	43.8	48.1	S	28.2	36.5	38.2	42.5	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	37.8	38.3	49.8	S	49.7	S	S	S	—	—	—
SCTG 21, Pharmaceutical products	S	S	47.1	36.8	40.1	39.7	36.8	42.7	40.6	33.8	26.1	25.6
Less than 50 lb	42.1	S	S	40.7	S	49.1	27.7	30.6	31.7	35.1	36.6	36.0
50 to 99 lb	S	S	S	35.4	41.9	45.0	S	41.8	42.3	S	44.0	46.7
100 to 499 lb	S	S	47.7	S	S	S	42.3	32.3	34.6	S	S	S
500 to 749 lb	39.8	39.5	40.5	S	S	S	S	S	S	43.4	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	35.8	37.3	S	48.2	49.9	S	S	S	S	47.9	47.3
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	—	—	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	—	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	14.5	31.2	29.0	20.1	23.3	23.8	22.3	36.3	37.8	22.4	29.9	30.8
Less than 50 lb	26.1	23.9	23.3	25.9	33.6	32.3	34.8	44.6	48.9	41.8	18.0	17.9
50 to 99 lb	28.2	44.0	47.4	S	21.9	22.1	39.9	26.3	26.7	42.1	27.8	26.3
100 to 499 lb	19.7	21.0	22.9	29.4	S	S	31.4	S	S	33.4	S	S
500 to 749 lb	40.2	44.0	S	39.0	S	S	S	S	S	S	S	S
750 to 999 lb	27.7	25.2	27.3	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	27.5	20.5	19.7	37.9	35.9	35.4	42.2	29.3	29.7	24.0	34.7	35.2
10,000 to 49,999 lb	25.7	45.3	42.3	20.2	22.3	21.4	38.4	47.5	48.7	31.3	35.0	36.0
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 24, Plastics and rubber	8.3	S	S	13.4	15.5	15.5	10.2	14.0	14.3	8.6	15.9	15.6
Less than 50 lb	21.9	33.8	36.5	16.2	33.9	34.2	25.9	22.4	22.4	17.4	22.3	22.3
50 to 99 lb	28.2	33.4	32.2	27.7	39.0	38.6	23.0	S	S	30.6	33.6	35.7
100 to 499 lb	18.8	27.7	26.0	31.4	36.4	33.8	16.3	43.1	46.1	22.2	43.0	43.0
500 to 749 lb	23.9	23.4	27.6	33.1	S	S	45.4	22.1	22.3	37.7	S	S
750 to 999 lb	29.6	45.8	46.0	24.2	37.5	35.3	44.8	47.3	S	26.2	19.9	20.1
1,000 to 9,999 lb	10.3	17.0	13.1	14.3	15.8	16.9	21.3	20.6	19.9	15.8	18.7	18.7
10,000 to 49,999 lb	18.9	24.5	26.6	21.4	21.3	20.7	16.2	21.8	22.5	14.9	20.0	19.6
50,000 to 99,999 lb	47.0	45.1	43.4	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	S	S	S	—	—	—	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 26, Wood products	10.4	13.5	13.7	13.9	16.6	15.8	14.5	21.1	21.4	23.5	30.6	29.2
Less than 50 lb	34.8	32.5	35.9	S	S	S	S	46.6	49.4	37.4	44.2	49.2
50 to 99 lb	24.6	23.4	24.1	33.9	27.8	29.7	S	45.4	49.2	46.6	45.7	45.0
100 to 499 lb	24.3	20.3	18.5	21.8	23.2	23.8	43.9	27.8	28.1	31.0	29.4	31.1
500 to 749 lb	33.3	S	S	29.8	42.9	41.6	33.5	33.2	31.0	S	S	S
750 to 999 lb	32.5	30.5	28.5	48.7	46.6	45.7	47.9	47.9	49.1	S	46.2	48.2
1,000 to 9,999 lb	26.1	21.0	23.0	35.5	17.4	17.1	16.9	29.5	30.4	30.2	34.2	34.4
10,000 to 49,999 lb	15.3	22.6	23.3	19.2	23.0	22.6	23.9	29.5	31.2	35.2	36.1	35.7
50,000 to 99,999 lb	20.0	16.8	16.4	30.2	21.8	22.4	41.4	45.5	45.1	S	S	S
100,000 lb or more	S	S	S	22.8	22.4	22.9	27.4	26.5	25.8	26.9	27.9	28.0
SCTG 27, Pulp, newsprint, paper, and paperboard	17.8	17.9	15.7	19.9	17.0	16.6	12.9	15.1	14.4	14.9	14.9	14.0
Less than 50 lb	32.5	33.0	30.6	34.0	37.0	34.2	32.8	38.4	41.1	45.5	35.3	36.1
50 to 99 lb	S	S	S	S	S	S	48.4	S	S	44.5	35.6	35.2
100 to 499 lb	38.2	32.2	31.9	44.6	31.8	31.9	30.7	24.8	24.4	35.8	34.5	35.2
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	43.9	43.5
750 to 999 lb	S	41.1	39.9	S	S	S	S	S	49.5	39.7	37.1	37.0
1,000 to 9,999 lb	27.1	25.9	26.6	29.1	40.1	41.7	33.7	33.5	32.5	27.7	28.4	29.1
10,000 to 49,999 lb	20.4	21.9	18.6	26.4	20.2	18.7	12.1	12.8	11.6	20.3	19.8	19.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	37.0	33.9	36.1	33.7	33.5	36.8	37.9	36.8	35.9	17.0	17.5	18.7
SCTG 28, Paper or paperboard articles	14.9	12.9	15.3	18.3	22.6	23.1	19.9	18.3	18.5	17.6	20.2	19.8
Less than 50 lb	26.9	25.2	25.9	26.3	26.9	27.1	33.3	23.1	22.9	25.1	21.0	20.8
50 to 99 lb	29.9	30.0	27.2	39.1	S	S	47.7	S	S	S	S	S
100 to 499 lb	45.3	25.8	25.9	38.7	37.8	39.9	38.0	36.5	33.2	31.1	33.3	32.6
500 to 749 lb	31.5	21.1	19.9	33.4	31.8	33.7	S	47.0	47.7	34.9	42.5	43.1
750 to 999 lb	29.4	27.4	28.9	45.2	43.6	44.4	S	S	S	31.5	35.7	35.9
1,000 to 9,999 lb	20.2	19.2	19.7	21.0	19.0	17.4	29.6	34.0	37.9	27.6	42.6	42.9
10,000 to 49,999 lb	21.8	17.3	19.5	25.8	26.4	27.1	25.4	19.0	18.5	21.3	20.0	19.8
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	24.4	16.3	17.4	23.2	14.2	12.6	19.9	18.9	18.4	15.0	15.4	15.4
Less than 50 lb	27.7	17.9	19.3	47.0	38.4	39.0	20.4	15.9	16.0	26.5	21.4	21.2
50 to 99 lb	38.6	21.0	24.0	S	38.1	43.7	30.2	29.6	29.4	32.1	26.1	27.0
100 to 499 lb	S	37.4	41.3	40.1	33.3	34.0	35.1	35.2	31.6	27.8	29.1	29.5
500 to 749 lb	S	35.5	38.1	33.9	33.4	31.6	S	S	S	S	S	S
750 to 999 lb	29.1	40.1	43.4	S	S	S	46.9	S	S	S	45.4	46.3
1,000 to 9,999 lb	49.7	28.6	25.3	30.3	22.9	21.2	23.8	20.3	21.5	43.1	25.8	25.0
10,000 to 49,999 lb	17.2	17.6	17.5	37.5	30.2	27.4	34.2	22.6	22.8	28.4	32.8	33.0
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	11.8	17.5	18.9	21.0	14.7	14.9	11.9	10.6	10.5	15.3	21.7	21.9
Less than 50 lb	33.1	28.5	28.9	40.7	39.1	39.5	20.3	23.3	24.2	12.1	11.7	12.1
50 to 99 lb	16.1	13.0	13.8	21.8	22.2	24.8	23.0	20.1	21.0	21.5	19.9	19.4
100 to 499 lb	12.8	19.3	17.5	21.8	15.2	15.9	18.6	20.4	20.7	27.3	23.5	24.8
500 to 749 lb	27.9	19.2	19.9	S	49.9	S	37.5	31.7	32.5	35.7	38.1	38.9
750 to 999 lb	22.5	32.2	32.1	27.6	25.9	23.6	27.8	28.5	29.1	26.2	24.9	26.4
1,000 to 9,999 lb	12.9	11.4	11.5	21.0	17.1	18.5	19.1	16.2	16.4	29.6	34.7	33.7
10,000 to 49,999 lb	16.8	14.2	15.9	24.5	17.7	18.3	19.3	21.6	20.7	32.2	29.2	29.9
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	24.7	S	S	19.7	27.1	27.3	28.3	S	S	20.9	39.7	39.7
Less than 50 lb	S	S	48.0	29.5	38.4	40.8	S	35.3	36.4	36.3	38.1	38.2
50 to 99 lb	40.2	37.3	38.5	37.9	S	S	47.0	S	S	34.7	S	S
100 to 499 lb	25.0	23.7	23.9	33.6	37.4	36.6	32.2	29.8	33.3	32.5	33.1	33.6
500 to 749 lb	37.3	32.0	31.8	49.6	S	S	S	47.0	45.0	S	S	S
750 to 999 lb	S	40.4	35.4	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	22.7	46.6	45.4	37.5	31.5	34.2	26.3	S	S	40.3	41.1	40.9
10,000 to 49,999 lb	37.5	S	S	32.6	32.7	32.7	29.0	S	S	47.1	45.8	45.7
50,000 to 99,999 lb	35.0	37.3	36.3	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	9.5	19.8	20.9	24.3	27.7	28.6	33.7	29.4	29.3	32.3	S	S
Less than 50 lb	31.4	32.8	31.8	23.8	28.5	30.7	29.2	28.2	29.4	31.9	20.8	20.5
50 to 99 lb	20.7	25.5	26.5	39.3	38.1	38.2	30.9	38.1	35.9	27.1	31.5	30.0
100 to 499 lb	15.5	15.3	13.9	45.0	32.5	32.1	29.3	22.7	23.3	39.3	31.4	31.4
500 to 749 lb	43.9	33.6	36.3	S	32.1	33.8	43.3	44.3	42.9	S	32.2	31.9
750 to 999 lb	S	S	S	41.2	S	47.0	43.1	44.1	44.9	S	47.6	46.3
1,000 to 9,999 lb	10.1	15.5	15.8	25.6	30.7	27.6	21.8	26.8	26.4	20.2	25.9	26.0
10,000 to 49,999 lb	12.0	19.7	21.5	30.8	40.1	37.6	40.3	41.9	41.7	19.9	30.5	30.3
50,000 to 99,999 lb	33.5	45.3	S	46.1	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	45.9	S	S
SCTG 33, Articles of base metal	16.6	19.8	19.7	16.7	22.3	23.0	18.1	35.6	34.7	19.3	17.6	17.4
Less than 50 lb	16.4	22.5	29.7	22.8	27.4	26.5	28.4	35.6	36.2	27.2	25.1	24.9
50 to 99 lb	20.8	25.6	23.7	29.6	30.8	30.4	29.9	40.6	39.8	41.4	27.7	27.4
100 to 499 lb	26.2	26.2	26.3	25.6	24.2	25.4	40.4	36.6	33.3	21.0	30.4	29.9
500 to 749 lb	26.8	28.9	30.4	29.2	38.3	36.4	29.5	35.0	34.2	37.1	30.5	30.2
750 to 999 lb	35.6	32.7	30.3	S	S	S	46.2	33.7	34.8	32.8	41.7	40.0
1,000 to 9,999 lb	21.2	22.4	22.4	24.3	30.1	33.1	46.2	32.1	36.1	36.4	30.6	30.6
10,000 to 49,999 lb	37.2	28.0	28.5	38.5	42.4	44.2	19.6	27.9	27.3	30.5	31.2	30.5
50,000 to 99,999 lb	46.1	46.4	48.0	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 34, Machinery	15.8	17.5	18.0	26.7	25.6	25.9	18.0	36.8	33.8	18.5	23.1	23.9
Less than 50 lb	33.5	25.4	27.6	22.5	33.4	29.2	19.9	18.6	18.6	15.2	21.1	21.1
50 to 99 lb	44.9	29.5	29.2	22.8	32.6	33.1	38.5	S	S	32.8	28.6	28.8
100 to 499 lb	20.3	19.6	18.4	18.3	20.3	21.6	26.3	26.6	27.4	39.6	20.1	19.2
500 to 749 lb	S	31.4	29.2	25.1	30.4	32.5	S	40.3	37.4	35.6	30.7	30.3
750 to 999 lb	S	27.4	27.1	39.8	35.1	35.2	41.9	41.0	40.7	S	35.2	33.9
1,000 to 9,999 lb	19.9	26.5	28.6	24.6	22.1	20.3	33.7	28.1	28.1	26.0	29.0	27.0
10,000 to 49,999 lb	38.5	43.9	44.2	45.3	38.7	38.8	47.0	S	S	26.5	39.2	43.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	15.6	16.5	16.1	15.9	22.2	19.1	18.9	16.3	16.9	14.3	13.5	13.4
Less than 50 lb	13.6	9.6	9.8	22.5	15.5	16.7	18.3	21.1	26.0	15.6	11.8	11.8
50 to 99 lb	23.5	12.9	14.1	36.6	23.1	22.9	24.6	22.3	21.8	29.4	19.1	21.3
100 to 499 lb	27.7	37.7	41.4	23.9	35.6	39.3	25.9	35.9	36.8	25.6	24.4	25.1
500 to 749 lb	S	S	S	40.7	21.0	21.7	S	S	S	49.9	24.1	24.7
750 to 999 lb	S	33.0	36.9	S	26.0	27.3	S	33.6	34.8	36.3	30.5	30.7
1,000 to 9,999 lb	22.0	19.8	20.2	43.0	16.6	18.7	42.4	20.0	21.5	27.0	20.4	20.1
10,000 to 49,999 lb	28.6	30.4	29.9	44.8	46.8	43.0	S	41.6	39.4	38.8	25.4	26.1
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	19.8	21.3	23.0	24.2	30.5	28.3	19.2	17.1	17.6	36.6	33.7	33.3
Less than 50 lb	S	31.0	30.5	42.8	30.4	27.6	32.1	26.5	27.1	39.5	34.0	34.0
50 to 99 lb	31.1	S	S	S	S	S	37.0	44.3	46.9	48.6	39.8	35.1
100 to 499 lb	28.6	17.4	17.5	36.6	31.4	31.4	34.0	31.4	33.1	S	45.1	43.4
500 to 749 lb	45.7	35.3	38.7	33.9	29.4	29.3	35.7	27.6	25.5	25.3	26.3	25.8
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	37.3	28.4	31.3	31.9	44.6	46.7	22.1	26.8	27.3	S	44.9	43.5
10,000 to 49,999 lb	39.6	36.3	38.9	S	S	S	27.2	23.9	24.9	29.0	33.7	35.2
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	26.4	31.7	36.6	24.9	45.1	47.3	41.9	41.6	42.5	21.3	43.5	44.7
Less than 50 lb	36.6	33.3	31.3	46.6	46.3	42.5	32.0	47.0	47.2	32.5	35.2	37.5
50 to 99 lb	S	34.8	35.6	S	48.5	S	S	S	S	S	S	S
100 to 499 lb	41.3	S	S	S	S	S	S	S	S	S	48.6	47.7
500 to 749 lb	45.0	S	S	S	45.4	48.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	46.4	48.7	S	S	S	S	S	S	S
1,000 to 9,999 lb	44.8	S	S	S	S	S	S	S	S	39.3	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	16.5	17.3	17.4	21.4	18.9	18.8	18.2	38.7	38.4	14.9	16.2	15.9
Less than 50 lb	22.3	14.5	15.1	21.7	17.0	16.4	17.4	13.1	12.9	14.9	13.1	12.8
50 to 99 lb	34.0	28.5	28.2	36.6	44.4	42.4	S	24.7	24.3	47.0	20.4	19.2
100 to 499 lb	24.2	19.9	19.5	39.9	24.0	23.6	34.8	25.8	25.7	30.6	24.9	24.2
500 to 749 lb	42.0	37.6	36.4	S	39.2	41.3	43.4	45.3	41.8	36.3	42.2	42.4
750 to 999 lb	43.5	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	32.5	25.7	23.3	38.4	29.1	30.0	S	36.2	36.5	S	S	S
10,000 to 49,999 lb	48.5	39.5	40.9	S	S	S	44.4	46.8	46.4	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	20.2	19.9	20.6	18.6	18.9	19.1	26.3	28.4	29.2	31.9	24.0	24.7
Less than 50 lb	39.0	38.2	34.4	27.2	31.0	30.7	43.0	37.9	37.1	S	S	S
50 to 99 lb	S	29.1	26.3	49.9	42.5	44.8	33.9	29.6	32.2	S	S	S
100 to 499 lb	27.4	21.1	21.5	25.5	27.1	28.2	38.9	39.4	38.4	29.0	27.3	27.9
500 to 749 lb	32.4	39.8	43.3	43.9	36.2	37.8	49.7	44.9	47.2	S	S	S
750 to 999 lb	28.0	35.4	35.4	48.5	37.0	38.3	S	S	S	S	30.8	31.6
1,000 to 9,999 lb	24.7	30.7	30.6	22.0	24.8	25.0	34.1	31.5	32.8	45.1	36.3	37.0
10,000 to 49,999 lb	23.9	32.2	33.6	37.0	35.6	34.4	S	40.8	42.0	37.6	32.7	34.8
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	9.8	37.6	31.6	21.9	38.8	34.9	11.2	18.4	18.4	11.7	17.2	17.8
Less than 50 lb	11.2	14.6	13.9	12.1	13.0	13.0	13.0	16.0	16.2	12.7	11.8	11.7
50 to 99 lb	23.8	35.4	38.9	39.8	20.3	19.8	33.8	24.7	24.7	40.2	17.7	17.4
100 to 499 lb	20.4	25.1	24.4	38.6	11.7	11.9	17.8	17.2	17.7	19.6	24.2	23.9
500 to 749 lb	19.6	23.9	22.2	S	49.6	S	34.1	31.2	32.3	26.7	27.3	28.1
750 to 999 lb	36.8	33.4	34.8	S	S	S	40.6	38.2	38.7	30.4	34.0	33.4
1,000 to 9,999 lb	22.6	21.3	18.2	21.1	19.8	20.9	22.1	22.8	21.8	24.6	31.3	29.7
10,000 to 49,999 lb	20.5	S	45.2	S	45.2	43.0	S	38.0	37.1	48.0	20.1	20.6
50,000 to 99,999 lb	S	47.5	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	38.2	S	S	24.0	23.8	24.1	S	S	S	47.2	41.8	S
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	32.7	S	S	28.9	24.7	24.5	S	S	S	33.2	31.4	34.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	45.4	36.9	37.2	44.2	47.3	49.0	S	S	S	S	S	S
SCTG 43, Mixed freight	19.1	23.7	22.8	40.3	38.3	38.9	S	S	S	S	S	S
Less than 50 lb	S	32.1	32.2	S	S	S	48.7	40.8	42.9	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	39.5	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	42.8	42.7	—	—	—	—	—	—	S	S	S
750 to 999 lb	46.9	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	22.0	25.4	23.2	45.3	45.7	45.7	—	—	—	S	S	S
10,000 to 49,999 lb	41.6	41.1	39.1	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	37.1	S	S	27.3	48.7	48.2	35.1	S	S	35.6	S	S
Less than 50 lb	32.7	33.9	33.5	S	S	S	43.6	47.0	42.9	S	39.6	39.5
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	44.7	44.2	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	44.0	S	S	47.4	S	S	S	S	S
10,000 to 49,999 lb	41.9	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	5.8	6.4	6.7	11.1	36.2	40.1	10.0	11.0	11.4
Less than 50 lb	14.1	6.4	6.5	18.1	5.7	5.6	16.9	7.3	6.8
50 to 99 lb	17.9	12.6	12.2	13.2	11.0	10.9	15.0	14.7	14.9
100 to 499 lb	22.3	9.3	9.3	34.1	14.2	14.4	14.3	7.4	7.6
500 to 749 lb	11.3	9.5	9.9	25.0	34.1	34.2	26.5	8.8	9.0
750 to 999 lb	27.9	14.0	14.2	34.5	22.9	22.7	S	S	S
1,000 to 9,999 lb	9.3	8.0	7.9	14.3	15.5	15.7	13.4	21.9	20.7
10,000 to 49,999 lb	9.7	8.8	9.4	15.9	14.3	13.9	15.4	13.4	13.2
50,000 to 99,999 lb	32.3	48.7	45.1	46.5	41.5	41.3	42.0	39.6	38.3
100,000 lb or more	16.2	20.0	18.6	49.2	S	S	S	33.3	33.4
SCTG 01, Live animals and live fish	—	—	—	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 03, Other agricultural products	S	S	S	49.7	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	S	S	S	S	47.0	46.8	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	S	S	S	46.7	48.9	48.8
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	32.9	40.6	40.6	22.5	23.8	24.2	27.9	43.0	42.2
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	43.2	S	S	32.6	38.6	39.2	39.9	46.9	46.9
10,000 to 49,999 lb	39.2	35.9	35.5	44.5	40.8	40.7	37.9	47.1	45.8
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	32.8	33.6	34.4	S	S	S	41.5	39.1	39.4
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	46.6	44.6	44.4	S	S	S	S	S	S
10,000 to 49,999 lb	42.7	41.3	42.7	42.7	48.0	48.6	29.9	26.5	26.8
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	25.2	20.6	20.3	S	49.9	41.4	30.3	32.0	31.6
Less than 50 lb	S	S	S	S	S	S	41.5	46.3	43.4
50 to 99 lb	S	S	S	S	S	S	49.3	46.2	45.9
100 to 499 lb	S	S	S	43.3	37.2	36.3	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	49.4	S	S
1,000 to 9,999 lb	S	44.8	44.9	43.5	43.1	43.0	S	43.1	43.5
10,000 to 49,999 lb	21.5	22.5	22.2	S	S	S	40.2	47.3	46.8
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 08, Alcoholic beverages	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	38.7	49.0	48.8	48.1	S	S	34.7	35.8	35.7
Less than 50 lb	S	S	S	S	S	S	46.2	46.9	47.9
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	47.5	48.3	S	S	S	49.3	43.2	43.1
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	38.4	32.4	33.1	46.2	45.0	44.8	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	49.3	S	S	S	S	S
10,000 to 49,999 lb	44.3	47.7	49.9	S	49.9	49.8	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	49.5	49.5	49.2	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	S	S	S	—	—	—	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	—	—	—	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 15, Coal	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 20, Basic chemicals	40.9	S	S	32.2	36.2	36.1	30.6	34.3	33.5
Less than 50 lb	34.4	24.8	24.6	42.0	32.5	32.4	S	34.4	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	37.8	39.4	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	36.6	32.6	33.7	S	S	S	S	47.2	47.1
10,000 to 49,999 lb	S	S	S	44.2	43.9	43.7	43.5	36.6	35.8
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 21, Pharmaceutical products	S	47.2	44.9	S	28.6	28.1	S	22.1	22.2
Less than 50 lb	S	31.9	31.4	S	49.6	49.3	S	33.5	33.1
50 to 99 lb	S	S	S	S	S	S	47.4	44.2	44.1
100 to 499 lb	41.5	S	S	S	S	S	33.1	37.4	35.8
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	46.6	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	S	S	S	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	20.7	30.8	30.4	23.9	33.2	31.7	31.0	39.1	39.5
Less than 50 lb	43.6	37.0	35.2	44.7	27.1	27.2	S	33.3	33.0
50 to 99 lb	23.3	20.1	20.8	40.1	33.2	32.6	S	37.7	37.9
100 to 499 lb	34.9	32.3	32.2	32.9	34.4	34.0	26.3	26.0	26.0
500 to 749 lb	40.2	44.2	41.7	S	S	S	46.5	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.1	39.7	37.8	S	35.2	34.1	43.2	24.1	24.1
10,000 to 49,999 lb	S	S	S	49.9	S	S	39.7	42.7	43.0
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 24, Plastics and rubber	10.6	10.5	11.0	18.6	17.2	16.9	13.5	26.4	26.1
Less than 50 lb	16.1	29.4	30.0	31.5	25.9	25.6	22.1	31.2	32.4
50 to 99 lb	S	36.6	36.9	S	38.0	36.9	S	S	S
100 to 499 lb	18.2	28.7	27.6	31.6	39.9	38.8	25.4	26.6	27.6
500 to 749 lb	24.2	26.0	25.2	18.2	20.9	20.8	35.8	21.0	20.5
750 to 999 lb	31.5	33.3	32.7	40.4	30.6	32.7	39.0	28.0	28.5
1,000 to 9,999 lb	15.2	16.5	17.6	35.0	28.1	29.0	27.8	S	S
10,000 to 49,999 lb	16.1	12.6	13.1	23.2	23.7	23.3	29.7	30.9	30.7
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 25, Logs and other wood in the rough	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 26, Wood products	18.3	21.4	21.8	34.5	49.4	49.9	28.2	29.5	29.9
Less than 50 lb	43.4	S	S	36.4	37.9	39.1	44.1	47.6	47.7
50 to 99 lb	46.8	S	S	S	42.9	44.3	40.6	42.4	41.3
100 to 499 lb	27.8	27.4	27.5	32.5	30.1	29.6	37.5	25.2	23.9
500 to 749 lb	50.0	38.3	35.7	41.9	42.6	43.3	S	S	S
750 to 999 lb	S	S	S	45.2	44.2	44.5	S	S	S
1,000 to 9,999 lb	29.1	47.3	48.2	S	S	S	S	46.7	47.7
10,000 to 49,999 lb	27.1	25.9	25.9	35.2	37.4	37.6	39.3	35.6	35.2
50,000 to 99,999 lb	44.2	36.6	39.1	S	S	S	S	S	S
100,000 lb or more	30.4	33.0	33.1	S	S	S	S	44.5	44.5
SCTG 27, Pulp, newsprint, paper, and paperboard	11.2	12.5	13.0	27.1	32.6	32.8	26.4	39.4	43.4
Less than 50 lb	46.9	38.9	39.4	S	S	S	S	40.4	40.3
50 to 99 lb	43.7	38.1	38.2	S	S	S	38.7	41.1	42.1
100 to 499 lb	43.5	48.4	46.0	46.1	39.0	39.3	28.0	28.4	28.8
500 to 749 lb	S	44.9	43.8	S	S	S	S	S	S
750 to 999 lb	40.1	S	S	S	S	S	43.8	36.8	36.2
1,000 to 9,999 lb	32.3	23.5	25.0	31.9	41.2	40.4	26.8	26.4	26.5
10,000 to 49,999 lb	16.2	16.0	17.6	34.2	38.8	39.0	39.3	30.0	31.3
50,000 to 99,999 lb	S	39.8	39.9	—	—	—	—	—	—
100,000 lb or more	18.9	19.1	19.9	S	S	S	S	S	S
SCTG 28, Paper or paperboard articles	23.2	33.9	35.3	20.4	27.7	28.8	S	S	S
Less than 50 lb	29.7	29.7	29.1	33.3	26.9	26.5	31.5	25.5	25.3
50 to 99 lb	37.0	S	49.5	S	45.7	44.7	S	34.8	34.7
100 to 499 lb	38.6	38.9	38.0	42.1	45.5	45.7	34.2	33.7	34.1
500 to 749 lb	49.2	S	S	S	S	S	S	S	S
750 to 999 lb	43.6	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	27.3	40.6	41.0	34.6	43.3	41.1	S	S	S
10,000 to 49,999 lb	33.0	38.5	40.2	44.0	40.8	42.7	23.0	29.7	29.8
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	14.5	14.1	13.8	22.6	29.8	28.6	33.6	15.6	15.7
Less than 50 lb	24.8	19.3	19.5	23.4	21.8	21.4	46.2	23.8	23.3
50 to 99 lb	28.2	27.4	27.2	S	36.5	36.1	S	S	S
100 to 499 lb	39.8	47.0	46.5	48.7	42.2	43.9	27.6	31.2	31.3
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	41.5	32.4	32.2	S	S	S	47.1	45.3	45.1
1,000 to 9,999 lb	22.7	15.8	16.2	32.2	33.8	33.1	S	47.7	47.8
10,000 to 49,999 lb	26.4	27.7	27.8	S	S	S	49.1	36.8	36.6
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	9.9	15.8	15.6	14.4	21.5	21.5	10.9	14.5	16.5
Less than 50 lb	16.0	16.0	16.3	14.6	16.7	16.7	13.6	15.5	15.3
50 to 99 lb	19.7	16.1	16.2	34.5	24.0	23.5	20.7	20.2	20.2
100 to 499 lb	17.6	17.7	17.6	21.0	21.8	21.9	19.7	19.6	19.4
500 to 749 lb	S	33.5	34.0	S	38.5	36.8	32.5	27.1	27.7
750 to 999 lb	25.5	30.0	28.7	33.5	38.8	39.3	22.8	16.3	16.2
1,000 to 9,999 lb	19.3	18.4	18.1	32.7	38.4	39.3	19.9	21.8	21.9
10,000 to 49,999 lb	34.0	29.7	29.4	S	47.2	45.0	43.3	26.2	30.9
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 31, Nonmetallic mineral products	25.0	S	S	30.4	38.5	39.1	25.8	S	S
Less than 50 lb	35.9	31.5	31.0	S	41.2	42.5	39.0	33.4	33.6
50 to 99 lb	42.4	36.3	35.7	S	S	S	37.6	39.6	38.9
100 to 499 lb	23.4	29.1	30.3	39.5	45.9	46.8	43.8	30.2	31.4
500 to 749 lb	S	S	S	S	S	S	—	—	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	28.0	41.6	45.2	S	32.7	32.2	35.7	39.3	40.0
10,000 to 49,999 lb	46.5	39.1	38.7	S	S	S	41.6	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	23.0	25.1	28.5	29.3	S	S	37.5	44.2	43.9
Less than 50 lb	27.0	31.3	32.0	30.2	35.9	36.3	S	25.4	25.1
50 to 99 lb	30.0	34.3	34.5	S	S	S	S	25.2	25.6
100 to 499 lb	27.8	26.6	26.4	40.3	37.7	37.0	40.5	26.0	25.9
500 to 749 lb	S	45.9	45.9	S	S	S	36.9	39.9	40.8
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	32.1	36.3	35.8	S	46.5	44.5	33.3	21.5	21.5
10,000 to 49,999 lb	28.0	29.2	27.9	37.4	48.3	S	48.5	38.9	38.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 33, Articles of base metal	21.9	21.9	20.8	21.3	29.6	29.0	13.9	S	S
Less than 50 lb	23.3	26.9	26.0	24.8	27.6	27.8	34.7	38.8	37.8
50 to 99 lb	28.7	27.2	27.1	S	34.3	34.3	28.8	34.5	34.6
100 to 499 lb	29.1	26.2	26.5	34.8	28.0	28.7	25.3	31.9	31.8
500 to 749 lb	42.3	32.7	33.0	42.0	43.8	45.4	26.4	40.1	39.0
750 to 999 lb	42.7	29.3	29.9	S	S	S	38.7	S	S
1,000 to 9,999 lb	28.9	25.7	26.3	S	S	S	30.8	23.6	23.4
10,000 to 49,999 lb	35.9	42.0	40.2	35.4	32.3	32.2	48.4	31.6	31.2
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 34, Machinery	25.2	20.4	21.8	16.1	30.6	30.4	29.0	34.7	36.2
Less than 50 lb	18.4	16.1	16.4	21.2	23.1	22.9	31.5	23.3	22.0
50 to 99 lb	40.5	35.9	34.7	36.4	30.2	31.0	S	43.4	42.1
100 to 499 lb	44.8	40.2	39.1	26.8	27.2	27.4	S	17.7	18.0
500 to 749 lb	S	32.0	32.4	S	35.4	34.8	37.1	40.4	39.6
750 to 999 lb	45.0	S	S	S	S	S	41.7	31.6	31.8
1,000 to 9,999 lb	S	26.7	26.9	29.2	44.7	44.8	26.6	22.2	22.8
10,000 to 49,999 lb	S	S	S	S	42.4	42.0	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	19.5	16.6	16.7	22.6	27.2	26.7	14.0	11.8	11.8
Less than 50 lb	15.2	14.8	15.0	38.2	15.9	15.7	15.4	20.0	20.4
50 to 99 lb	29.8	30.8	29.3	22.8	33.2	34.6	23.9	16.6	16.9
100 to 499 lb	S	42.1	42.7	27.1	39.3	39.6	25.7	16.7	16.4
500 to 749 lb	34.0	34.0	35.8	44.0	44.8	42.1	32.6	20.0	20.1
750 to 999 lb	S	38.1	38.4	42.5	36.2	37.2	S	34.7	35.6
1,000 to 9,999 lb	35.1	17.4	17.7	32.5	26.5	26.1	33.8	16.6	16.6
10,000 to 49,999 lb	30.7	22.4	22.8	S	S	S	47.8	35.3	36.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	36.5	33.0	33.0	24.2	30.0	29.7	35.2	37.3	37.5
Less than 50 lb	S	47.8	47.1	43.7	32.8	32.0	44.4	40.8	41.5
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	40.6	34.4	34.5	S	49.9	49.0	S	S	S
500 to 749 lb	S	S	S	S	43.7	42.6	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	38.2	50.0	49.2	39.7	38.2	38.4
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	32.1	22.4	22.2	36.8	S	S	37.9	31.1	30.6
Less than 50 lb	39.2	44.2	44.8	48.8	49.7	S	30.7	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	48.9	48.8	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	41.6	46.4	45.3	S	S	48.9	S	42.5	42.1
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	17.0	15.7	15.8	27.0	48.2	48.3	28.5	18.7	18.8
Less than 50 lb	14.6	16.5	16.5	39.0	20.4	19.9	42.8	11.6	11.5
50 to 99 lb	30.8	21.2	21.0	27.8	26.3	25.2	44.3	29.9	29.8
100 to 499 lb	38.3	29.3	29.8	41.3	34.5	36.0	24.1	25.3	25.0
500 to 749 lb	S	S	S	S	S	S	S	45.8	45.6
750 to 999 lb	S	46.7	46.7	S	S	S	S	49.0	49.1
1,000 to 9,999 lb	42.3	39.1	39.0	S	S	S	45.9	32.2	32.2
10,000 to 49,999 lb	—	—	—	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	26.6	21.1	20.9	35.8	30.9	31.0	21.7	24.9	29.2
Less than 50 lb	38.4	S	S	40.9	35.2	34.2	S	S	S
50 to 99 lb	S	49.5	48.3	S	46.5	46.3	40.7	22.2	22.4
100 to 499 lb	31.3	33.9	35.2	24.7	23.4	22.9	32.1	29.9	29.3
500 to 749 lb	34.8	29.7	30.7	S	S	S	41.2	41.1	41.5
750 to 999 lb	S	43.9	43.6	S	S	S	S	S	S
1,000 to 9,999 lb	36.4	32.1	32.3	S	48.8	48.3	26.9	23.6	23.5
10,000 to 49,999 lb	38.5	24.0	23.9	S	44.4	43.6	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	7.3	15.1	16.2	16.4	S	S	14.6	39.6	36.6
Less than 50 lb	13.2	12.2	12.5	9.4	11.2	11.1	14.5	11.6	11.6
50 to 99 lb	17.3	21.6	21.4	39.2	39.0	38.1	19.4	21.9	21.2
100 to 499 lb	21.3	23.0	23.2	32.1	36.8	37.9	31.2	15.5	17.1
500 to 749 lb	27.0	30.8	31.6	31.4	30.3	32.3	S	26.0	26.0
750 to 999 lb	22.5	19.0	19.1	S	S	S	44.3	28.5	28.8
1,000 to 9,999 lb	22.4	20.5	20.9	30.6	31.0	31.4	19.8	16.4	19.1
10,000 to 49,999 lb	40.3	35.3	34.8	S	S	S	S	33.2	34.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	49.0	40.8	41.7	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	S	S	S
10,000 to 49,999 lb	48.1	39.4	40.0	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	S	S	S	S	S	S	44.3	S	S
Less than 50 lb	S	47.8	47.8	S	S	S	S	46.4	46.1
50 to 99 lb	—	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	42.5	S	S	S	S	S	47.1	S	S
Less than 50 lb	32.4	29.0	29.1	36.0	37.7	39.2	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	44.6	43.9	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	43.7	43.5	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

SAMPLE DESIGN

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

First Stage

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidiroglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty makeup the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode-NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

Second Stage

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26,

1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

Third Stage

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

DATA COLLECTION

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which

the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed "unusable." (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these "unusable" shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of "usable" shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment's reporting week are both equal to one.

The quarter weight inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of

quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment's value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment's probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

Appendix D.

Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by agencies of the United States and Canadian governments based on the Harmonized System (HS) of product classification which is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In the past, Commodity Flow Survey (CFS) data have been collected and reported using product classifications found in the Standard Transportation Commodity Classification (STCC) system. These classifications were developed in the early 1960s by the American Association of Railroads (AAR) to analyze commodity movements by rail. The original purpose of the STCC was for identification of commodities for purposes of assigning rates for Interstate Commerce Commission (ICC) regulated rail carriers. The STCC continues to be used by the AAR as a tariff mechanism.

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although

it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

In 1997 the CFS provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, we instructed respondents to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment.

Additional information on the SCTG system can be found on the Internet through the BTS web page at <http://www.bts.gov>. Comments or questions on the SCTG should be directed to [http://cfs@bts.gov](mailto:cfs@bts.gov).

Appendix E.

Sample Report Forms and Instructions

The sample report forms and instructions are shown on the following pages.

Note: The CFS-2000 was sent to a subsample of establishments to obtain additional information about the use of transportation equipment and facilities.

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see *Instruction Guide* for a definition of "shipment."**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

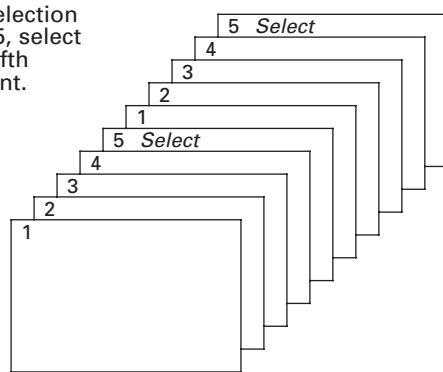
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

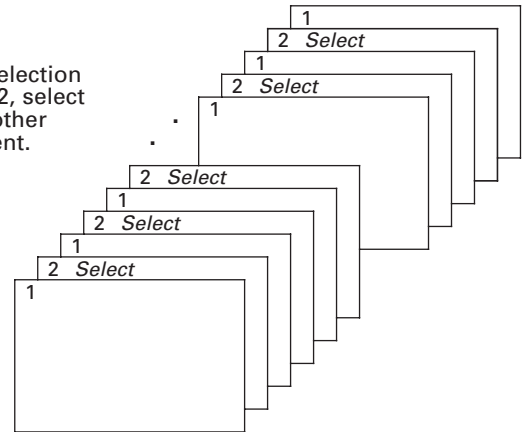
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel

6 — Deep draft vessel

7 — Pipeline

8 — Air

9 — Other mode

0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G
1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

2. Are the records for outbound shipments from this location maintained in a number of separate files (e.g., separate files for each commodity, or for each shipping site) at this location?

☐ Yes

☐ No

If yes to item G1 or item G2:
3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

Enter the total value of shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item I

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item J
CERTIFICATION

Name of person to contact regarding this report — *Please print*

Telephone number — *Include area code*

Date

Signature

Title

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date —→

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see Instruction Guide for a definition of "shipment."

**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

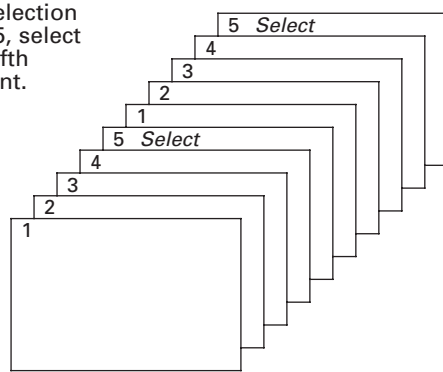
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

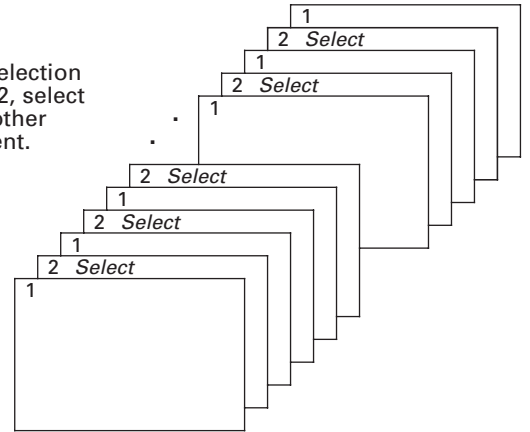
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
N	Los Angeles	CA	9 0 0 4 0	2, 4, 3	N				0
N	New York	NY	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	(j)					(m)			
(i)	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued

Item G

Enter the total dollar value of **all** shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item H

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item I
AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not this type of facility existed **on-site** during 1997. For each "Yes" in column (b), check "Yes" or "No" in column (c) to indicate whether or not you used the facility on your premises for **outbound shipments** during 1997.

Type of shipping facility (a)	Was a shipping facility of this type on your premises during 1997? (b)	Did you use this facility on your premises for outbound shipments during 1997? (c)
1. Rail siding	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
2. Dock on the Great Lakes	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
3. Dock on inland water	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
4. Dock on deep sea water	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
6. Pipeline terminal	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item J **USE OF OFF-SITE SHIPPING FACILITIES**

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not you used an **off-site** facility of that type for **outbound shipments** during 1997. For each "Yes", enter the miles to that off-site facility in column (c), and the mode of transport used to reach that facility in column (d). The modes are listed below.

Type of shipping facility (a)	Did you use this type of off-site facility for outbound shipments during 1997? (b)	Distance to the off-site facility of this type that you used most in 1997 (Report in miles – estimates are acceptable) (c)	Mode of transport used to reach that facility (Enter a code from the list below) (d)
1. Rail siding	1 ☐ Yes —————→ 2 ☐ No		
2. Dock on the Great Lakes	1 ☐ Yes —————→ 2 ☐ No		
3. Dock on inland water	1 ☐ Yes —————→ 2 ☐ No		
4. Dock on deep sea water	1 ☐ Yes —————→ 2 ☐ No		
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —————→ 2 ☐ No		
6. Pipeline terminal	1 ☐ Yes —————→ 2 ☐ No		

1 – Trailer on Flat Car (TOFC)
2 – Private Truck

3 – For-Hire Truck
4 – Rail

5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

During 1997, did this location use any of the following types of equipment for outbound shipments? Please check "Yes" or "No." For rail cars reported in number 1 below, enter the approximate percentage of your total outbound rail shipments that used that type of rail car. These percentages should add to 100%. If you had no rail shipments, leave the percentages blank.

Equipment (a)	Was this type of equipment used for outbound shipments during 1993? (b)	Percentage of total rail shipments (c)
1. Rail cars that:	1 ☐ Yes → 2 ☐ No	
a. Your company owned/leased		
b. A common carrier owned/leased	1 ☐ Yes → 2 ☐ No	
c. Another party owned/leased (e.g. receiver)	1 ☐ Yes → 2 ☐ No	
2. Trucks with 6 or more tires or truck-tractors that:	1 ☐ Yes 2 ☐ No	
a. Your company owned		
b. Your company leased, with driver	1 ☐ Yes 2 ☐ No	
c. Your company leased, without driver	1 ☐ Yes 2 ☐ No	
3. Truck trailers that your company owned or leased	1 ☐ Yes 2 ☐ No	
4. Aircraft that your company owned or leased	1 ☐ Yes 2 ☐ No	
5. Barges that your company owned or leased	1 ☐ Yes 2 ☐ No	
6. Other equipment that your company owned or leased – <i>Specify</i> ↗	1 ☐ Yes 2 ☐ No	

Item L TRANSPORTATION DECISIONS

During 1997, who generally decided on the mode of transportation for your outbound shipments? *Check the appropriate box.*

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

Item M CERTIFICATIONName of person to contact regarding this report – *Please print*Telephone number – *Include area code*

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

You may use estimates if book figures are not readily available.

If you have questions about completing the survey, a Census Bureau representative will be glad to assist you. You can call us at 1-800-772-7851.

Some instructions are included on the questionnaire itself. However, due to space limitations, most of the instructions and definitions are included in separate reference materials. These include this instruction guide, and a listing of commodity codes to be used for classifying individual shipments in this survey.

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

The CFS produces valuable measures of the demands on the nation's transportation system.

The results of the CFS are used by transportation policy makers to analyze future transportation needs.

Who reports in the CFS?

The CFS covers a sample of establishments in the mining, manufacturing, wholesale, and selected retail industries.

Why is my participation important?

Your establishment was selected as part of a sample designed to represent a wide range of industries and geographic regions.

Your report helps ensure quality results.

Is this survey mandatory?

Yes. The CFS is mandatory under the authority of Title 13, United States Code (USC).

Will my data be kept confidential?

Yes. The same law that requires your participation, Title 13, USC, also guarantees your data will be kept strictly confidential.

The reports you provide the Census Bureau cannot be used for purposes of taxation, regulation, or investigation.

Your report is used only to develop summary data that do not reveal the activities of individual firms or establishments.

How often must I report?

You will be sent four questionnaires in all: one during each quarter of 1997.

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

Please enter the information requested on your establishment's name, operational status, and physical location.

Item D

Enter in the space provided your total number of outbound shipments **for the one week reporting period** on the front of the questionnaire.

Please include in this count any materials picked up by the customer ("customer pick-up").

What we mean by a "shipment":

For the purposes of this survey, a shipment is a single movement of goods, commodities, products, etc. from your location to a customer or to another location of your company.

"Commodities" refer to items that your location produces, sells, or distributes, *not* to items that are considered by-products of your location's operation.

What we don't mean by a "shipment":

Do *not* include as shipments items such as inter-office memos, payroll checks, business correspondence, etc.

Do *not* include as shipments items such as refuse, scrap paper, waste, and recyclable materials **unless** your location is in the business of selling or providing these materials to others.

A special note about "shipments":

A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location.

If a truck makes multiple deliveries on a route, **please count each stop as one shipment.**

Item E: Sampling Instructions

If you reported 40 or fewer shipments in Item D, complete Item F (Shipment Characteristics) for all of your shipments covered by the one-week reporting period.

If you reported more than 40 shipments in Item D, follow the instructions in Item E in order to select a sample of shipments on which to report in Item F.

By asking you to select a sample of your shipments for the one-week reporting period, we avoid asking you for information on all your shipments, while still obtaining statistically accurate information.

Reminder: The files you are sampling from should reflect the full range of your location's shipping activities in terms of modes of transportation used, commodities shipped, and destinations.

We're here to answer your questions! If you have questions about the sampling process (or any part of the questionnaire) please call us at 1-800-772-7851.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

- **Shipment ID Number (column b)** – Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date (column c)** – Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value (column d)** – Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, f.o.b. plant). If the value is not readily available from your records, please estimate.
- **Shipment Weight (column e)** – Enter the weight of the total shipment in whole pounds. If weight is not readily available from your records, please estimate.
- **Commodity Code (column f)** – Please use the list of Standard Classification of Transported Goods (SCTG) Codes in the enclosed SCTG Manual to select the proper code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight.
- **Commodity Description (column g)** – Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.

Item F SHIPMENT CHARACTERISTICS							
Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
		Month	Day				
0	123-5	4	26	4,235	140	3 6 1 2 0	Electrical transformers
00	123-6	4	26	125,300	626,500	1 7 1 0 0	Gasoline
1							
2							
3							
4							

Mode of transport codes for columns (k) and (n) ▶

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **For Hazardous Materials (column h)** – If shipment is a hazardous material, enter the 4-digit United Nations or North American number.
- **Containerized (column i)** – Indicate whether or not the shipment was containerized by entering "Y" or "N" (yes or no). Containerized means that the shipment **left your establishment** in an intermodal container or stackable tank without permanently attached wheels. These containers typically vary from 20 to 53 feet in length, and are carried on truck chassis, trains, and ships.
- **U.S. Destination: City, State, and ZIP Code (column j)** – For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver as it appears on the shipping document. Use the **"ship to"** address. Use the two letter state abbreviation shown in Part IV.

For **export shipments**, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, it is the border crossing.
- **Mode(s) of Transport (column k)** – Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in column j). Codes are located on the bottom of pages 2, 3, 4, and 5 of the questionnaire. Enter in the sequence used, all that apply. See Part III for definitions of each mode.

For Customer Pick-up: Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

If a hazardous material, enter the "UN" or "NA" number (h)	Containerized? (Y/N) (i)	U.S. destination (j)			Mode(s) of transport to U.S. destination Enter all that apply using codes shown below. (k)
		City	State	ZIP Code	
	N	Los Angeles	CA	90040	2, 4, 3
	N	New York	NY	10454	5

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **Export Shipment (column l)** – Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" or "N" (yes or no). For purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions are considered exports.
- **Foreign Destination: City and Country (column m)** – If the shipment is an export, enter the foreign city and country of destination. **For U.S. Destination (column j),** enter the U.S. port, airport, or border crossing of exit. **In column (k),** enter the mode of transport used to the U.S. destination.
- **Export Mode (column n)** – If the shipment is an export, enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 2, 3, 4, and 5 of the questionnaire.

Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	Country		
N				0
Y	London	England	6	00
				1
				2
				3
				4
				5

Items G – I

Please enter the information requested.

Item J: Certification

Please enter the name and telephone number of the person to contact in the event that we have a question about your report.

PART III – MODE DEFINITIONS

Parcel delivery/Courier/U.S. Postal Service – Delivery services that carry letters, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.

Private truck – Trucks operated by a temporary or permanent employee of this establishment or the buyer/receiver of the shipment.

For-hire truck – Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.

Railroad – Any common carrier or private railroad.

Shallow draft vessel – Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.

Deep draft vessel – Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.

Air – Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.

Other mode – Any mode not listed above.

Unknown – The shipment was not carried by a parcel delivery/courier/U.S. Postal service, and you cannot determine what mode of transportation is used.

Note: Commodities that are "shipped" under their own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Commodities shipped under their own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other" mode.**

PART IV -- STATE ABBREVIATION LIST

State	Abbrev.	State	Abbrev.
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

NOTICE - We estimate that it will take an average of 2 hours to complete this form. This includes time to read instructions, assemble and review information, and record answers on the form. If you have any comments regarding this estimate or any other aspect of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0189, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-0001. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

Middle Atlantic Division

1997

Issued April 2000

EC97TCF-DIV(2)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

This report was prepared in the Service Sector Statistics Division under the direction of **Thomas E. Zabelsky**, Assistant Chief for Current Service and Transportation Programs. Planning, implementation, and compiling of this report were under the supervision of **John L. Fowler**, Chief, Commodity Flow Survey Branch, assisted by **Wanda Dougherty, Debra Corbett, Bruce Dembroski, Shirley Gray, Michael Jones, Stephanie Kelley, Mabel Ocasio, Bonnie Opalko, Joyce Price, Barbara Selinske, Eli Serrano,** and **Michael Sprung**. Sample design and statistical methodology were developed under the general direction of **Howard Hogan** and **Carl A. Konschnik**, former Assistant Chiefs, and **Ruth E. Detlefsen**, current Assistant Chief, Research and Methodology. Sample design and estimation were under the supervision of **Patrick Cantwell**, former Chief, and **Jock Black**, current Chief, Program Research and Development Branch, assisted by **William C. Davie Jr., David L. Kinyon, Jacklyn R. Jonas,** and **M. Cristina Cruz**. Frame construction, sample control, imputation, and quality control procedures were developed under the supervision of **Carol King**, Chief, Statistical Methods Branch, assisted by **James Hunt**.

The processing system and computer programs were developed and implemented by the OAO programming group, led by **Jacques Wilmore** and assisted by **Harold N. Bobbitt** and **Robert J. Jeffrey**. **Steve G. McCraith**, Chief, Quinquennial Surveys Branch, Economic Statistical Methods and Programming Division and **Joseph F. Keehan** provided general support.

Coordination of data collection efforts was under the direction of **Judith N. Petty**, Chief, National Processing Center, assisted by **Matthew Aulbach, Linda Broadus, Grant Goodwin, Carlene Bottorff, Teresa Branstetter,** and **Jack Miller**.

The staff of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, performed planning, design, composition, editorial review, and printing planning and procurement for the publications, Internet products, and report forms. **Margaret A. Smith** provided publication coordination and editing.

We also acknowledge the contributions of the following Department of Transportation (DOT) representatives in the overall planning and design of the survey: **Rolf Schmitt**, Associate Director for Transportation Studies, Bureau of Transportation Statistics, assisted by **Susan Lapham, Russ Capelle, Ronald J. Duych,** and **Felix Ammah-Tagoe**.

The Oak Ridge National Laboratory's Center for Transportation Analysis, under the former and current direction of **Mike Bronzini** and **David Greene**, respectively, provided all mileage data for this report, using its transportation network modeling system, under the supervision of **Frank Southworth** and assisted by **Shih-Miao Chin, Bruce Peterson, Jane Rollow,** and **Angela Gibson**.

Special acknowledgment is also due to the many businesses whose cooperation was essential to the publication of these data.

1997 Economic Census
Transportation
1997 Commodity Flow Survey



**U.S. Department of
Transportation**
Rodney E. Slater,
Secretary
Mortimer L. Downey,
Deputy Secretary

**BUREAU OF TRANSPORTATION
STATISTICS**
Dr. Ashish Sen,
Director
Rick Kowalewski,
Deputy Director
Rolf R. Schmitt,
Associate Director for
Transportation Studies



U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

**Economics
and Statistics
Administration**
Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



**BUREAU OF TRANSPORTATION
STATISTICS**

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

CONTENTS

Introduction to the Economic Census	1
1997 Commodity Flow Survey	3

TABLES

1a. Shipment Characteristics by Mode of Transportation for the Division: 1997	9
1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993	9
1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993	10
2. Shipment Characteristics by Total Modal Activity for the Division: 1997	10
3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997	11
4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997	14
5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997	17
6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997	18
7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997	21
8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997	36
9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997	42
10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997 ...	48

APPENDIXES

A. Comparability With the 1993 Commodity Flow Survey	A-1
B. Reliability of the Estimates	B-1
C. Sample Design, Data Collection, and Estimation	C-1
D. Standard Classification of Transported Goods Code Information	D-1
E. Sample Report Forms and Instructions	E-1

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are

published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

1997 Commodity Flow Survey

GENERAL

The 1997 Commodity Flow Survey (CFS) is undertaken through a partnership between the Bureau of the Census, U.S. Department of Commerce, and the Bureau of Transportation Statistics, U.S. Department of Transportation. This survey produces data on the movement of goods in the United States. It provides information on commodities shipped, their value, weight, and mode of transportation, as well as the origin and destination of shipments of manufacturing, mining, wholesale, and selected retail establishments. The CFS was last conducted in 1993. See the Comparability With the 1993 Commodity Flow Survey table (Appendix A) for a comparison between the 1997 and 1993 surveys. The data from the CFS are used by public policy analysts and for transportation planning and decision-making to assess the demand for transportation facilities and services, energy use, and safety risk and environmental concerns.

This report presents data for the four Census Regions and nine Census Divisions. Additional reports include data for the United States, states, and selected metropolitan areas, as well as selected data on exports and hazardous material shipments.

INDUSTRY COVERAGE

The 1997 CFS covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey coverage excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail.

The industries covered, as defined in the 1987 Standard Industrial Classification Manual (SIC), are listed in the following table:

SIC code	Title
10, ex. 108	Metal mining (excluding metal mining services)
12, ex. 124	Coal mining (excluding coal mining services)
13	Oil and gas extraction ¹
14, ex. 148	Mining and quarrying of nonmetallic minerals, except fuels (excluding nonmetallic minerals services)
20	Food and kindred products
21	Tobacco products
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27, ex. 279	Printing, publishing, and allied industries (excluding service industries for the printing trade)
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastics products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, except machinery and transportation equipment
35	Industrial and commercial machinery and computer equipment
36	Electronic and other electrical equipment and components, except computer equipment
37	Transportation equipment
38	Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39	Miscellaneous manufacturing industries
50	Wholesale trade—durable goods
51	Wholesale trade—nondurable goods
596	Catalog and mail-order houses

¹We included establishments classified in SIC 13, Oil and Gas Extraction, in the initial coverage of the 1997 CFS. However, because of unresolved industry-wide reporting issues, we have removed shipments from these establishments from our 1997 CFS tabulations. The data collected from these establishments will be used as input to a special report at a later date.

Similarly, because establishments in SIC 13 are responsible for the overwhelming number of shipments classified in SCTG 16, Crude Petroleum, we have removed all shipments with SCTG 16 from the 1997 CFS publication results.

SHIPMENT COVERAGE

The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. The data do not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Shipments traversing the U.S. from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to a U.S. location. Imported products are included in the CFS at the point that they left the importer's domestic location for shipment to another location. Shipments that are shipped through a foreign territory with both the origin and destination in the U.S. are included in the CFS data. The mileages calculated for these shipments exclude the international segments (e.g., shipments from New York to Michigan through Canada do not include any mileages for Canada). Export shipments are included, with the domestic destination defined as the port of exit from the U.S.

The "Industry Coverage" section of the text lists the SIC groups covered by the CFS. Other industry areas that are not covered, but may have significant shipping activity, include agriculture, government, and retail (other than warehouses and SIC 5961, Catalog and Mail-Order Houses). For agriculture specifically, this means that the CFS did not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward.

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported

multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

The ORNL multimodal network database is composed of individual modal-specific networks representing each of the major transportation modes—highway, rail, waterway, air, and pipeline. The links of these specific modal networks are the representation of line-haul transportation facilities. The nodes represent intersections and interchanges, and the access points to the transportation network. To simulate local access, test links are created from each five-digit ZIP Code centroid to nearby nodes on the network. For the truck network, local access is assumed to exist everywhere. For the other modes this is not true. Before any test links are created for these modes, a search procedure is used to determine if and where such networks are most likely to provide access to the ZIP Code. For shipments involving more than one mode, such as truck-rail or rail-water shipments, intermodal transfer links are added to the network database for the purpose of connecting the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at ORNL to identify likely transfer points for different classes of freight. A measure of link impedance was calculated for each access, line-haul, and intermodal transfer link traversed by a shipment. These impedances were mode specific and are based on various link characteristics. For example, the set of link characteristics for the highway network included speed impacting factors, such as the presence of divided or undivided roadway, the degree of access control, rural or urban setting, type of pavement, number of lanes, degree of urban congestion, and length of the link. Link impedance measures are also assigned to the local access links. Intermodal transfer link impedances are estimated in terms of the time it takes to move goods through such a transfer. In the case of rail and air freight, intercarrier transfer penalties are also considered in order to obtain proper route selections. A minimum path algorithm is used to find the minimum impedance path between a shipment's origin ZIP Code centroid and destination ZIP Code centroid. The cumulative length of the local access plus line-haul links on this path provides the estimated shipment distance. When rail was involved these shipment distances may be averaged over more than one path between an origin-destination pair.

Mileage Data for Pipeline Shipments

In the tables, we do not show ton-miles or average miles per shipment for pipeline shipments. For most of these shipments, the respondents reported the shipment

destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network, and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment.

DISCLOSURE RULES

In accordance with Federal law governing Census Bureau reports, no data are published that would disclose the operations of an individual firm or establishment.

EXPLANATION OF TERMS

Average miles per shipment. For the 1993 CFS, we excluded shipments of STCC 27, Printed Matter, from our calculation of average miles per shipment. We made this decision after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term “shipment.”

For the 1997 CFS, we made numerous efforts throughout our data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, we have included printed products in the average miles per shipment calculations for the 1997 CFS.

Commodity. Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment’s operation. Respondents reported the description and the five-digit SCTG code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.

Distance shipped. In some tables, shipment data are presented for various “distance shipped” intervals. Shipments were categorized into these “distance shipped” intervals based on the great circle distance between their origin and destination ZIP Code centroids. All other distance-related data in this and other tables (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories. (See the “Mileage Calculations” section for more details.)

Great circle distance. The shortest distance between two points on the earth’s surface.

Mode of transportation. The type of transportation used for moving the shipment to its domestic destination. For exports, the domestic destination was the port of exit.

Mode Definitions

In the instructions to the respondent, we defined the possible modes as follows:

1. **Parcel delivery/courier/U.S. Postal Service.** Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
2. **Private truck.** Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
3. **For-hire truck.** Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
4. **Railroad.** Any common carrier or private railroad.
5. **Shallow draft vessels.** Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
6. **Deep draft vessel.** Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.
7. **Pipeline.** Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper’s establishment. Aqueducts for the movement of water are not included.
8. **Air.** Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.
9. **Other mode.** Any mode not listed above.
10. **Unknown.** The shipment was not carried by a parcel delivery/courier/U.S. Postal Service, and the respondent could not determine what mode of transportation was used.

In the tables, we have used additional terms for mode, which we define as follows:

1. **Air (includes truck and air).** Shipments that used air or a combination of truck and air.
2. **Single modes.** Shipments using only one of the above-listed modes, except parcel or other and unknown.
3. **Multiple modes.** Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used:
 - Private truck
 - For-hire truck
 - Rail
 - Shallow draft vessel
 - Deep draft vessel
 - Pipeline

We did not allow for multiple modes in combination with “parcel, U.S. Postal Service or courier,” “unknown,” or “other.” By their nature, these shipments may already include various kinds of multiple-mode activity. For example, if the respondent reported a shipment’s mode of transportation as parcel and air, we treated the shipment as parcel only.

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.
5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as “Other” or “Unknown.”
6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.
7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as “Other multiple modes.”
8. **Great Lakes.** In the tables in this publication, “Great Lakes” appears as a single mode. ORNL’s transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the “Mileage Calculations” section for more details).

Other Definitions and Terms

Shipment. A shipment (or delivery) is an individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.

Standard Classification of Transported Goods

(SCTG). The commodities shown in this report are classified using the SCTG coding system. The SCTG coding system was developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States

exclude any mileages through Canada (see the “Mileage Calculations” section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

Tons shipped. The total weight of the entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.

Total modal activity. The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)

Value of shipments. The dollar value of the entire shipment. This was defined as the net selling value, f.o.b. plant, exclusive of freight charges and excise taxes. The value data are displayed in millions of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables for this publication:

D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey.
lb	Pounds.
n.e.c.	Not elsewhere classified.
NA	Not applicable.
n.o.s.	Not otherwise specified.

OTHER TRANSPORTATION DATA

Users of transportation data may be especially interested in the following reports:

Economic Census: Transportation Sector covers establishments that provide passenger and freight transportation to the general public, government, or other businesses.

Published data include kind of business, geographic location, total operating revenue, annual and first quarter payroll, and number of employees for pay period including March 12.

Vehicle Inventory and Use Survey covers state and U.S. level statistics on the physical and operational characteristics of the Nation's truck, van, minivan, and sport utility vehicle population. Some of the types of data collected include number of vehicles, major use, body type, annual miles, model year, vehicle size, fuel type, operator classification, engine size, range of operation, weeks operated, products carried, and hazardous materials carried. This survey shows comparative statistics reflecting percent changes in number of vehicles between 1997 and 1992 for most characteristics.

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected

include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

All results of the 1997 Economic Census are available on the Census Bureau Internet site <http://www.census.gov> and on compact discs (CD-ROM).

For more information on any Census Bureau product, including a description of electronic and printed reports being issued, see the website or call Customer Services at 301-457-4100.

Table 1a. Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	873 472	100.0	1 053 082	100.0	150 564	100.0	454
Single modes	686 933	78.6	1 005 485	95.5	135 851	90.2	154
Truck ¹	636 551	72.9	876 364	83.2	96 941	64.4	129
For-hire truck	380 429	43.6	406 680	38.6	72 738	48.3	475
Private truck	248 880	28.5	444 466	42.2	21 843	14.5	48
Rail	15 062	1.7	60 179	5.7	27 292	18.1	460
Water	2 830	.3	29 798	2.8	4 385	2.9	S
Shallow draft	2 255	.3	26 551	2.5	S	S	S
Great Lakes	S	S	S	S	S	S	10
Deep draft	551	—	S	S	S	S	1 283
Air (includes truck and air)	24 963	2.9	551	—	713	.5	1 344
Pipeline ²	7 527	.9	38 593	3.7	S	S	S
Multiple modes	155 035	17.7	14 614	1.4	9 018	6.0	764
Parcel, U.S. Postal Service or courier	151 809	17.4	3 857	.4	2 709	1.8	764
Truck and rail	2 339	.3	S	S	2 156	1.4	1 595
Truck and water	447	—	S	S	S	S	2 171
Rail and water	65	—	2 625	.2	918	.6	374
Other multiple modes	374	—	S	S	S	S	279
Other and unknown modes	31 504	3.6	32 983	3.1	5 695	3.8	112

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	873 472	762 389	14.6	1 053 082	816 172	29.0	150 564	146 301	2.9	454	386	17.8
Single modes	686 933	635 678	8.1	1 005 485	775 842	29.6	135 851	130 579	4.0	154	180	-14.4
Truck ¹	636 551	596 484	6.7	876 364	633 742	38.3	96 941	83 253	16.4	129	141	-8.7
For-hire truck	380 429	368 688	3.2	406 680	265 202	53.3	72 738	62 375	16.6	475	474	.3
Private truck	248 880	227 202	9.5	444 466	365 934	21.5	21 843	20 607	6.0	48	51	-6.0
Rail	15 062	12 863	17.1	60 179	80 296	-25.1	27 292	34 001	-19.7	460	489	-5.9
Water	2 830	6 234	-54.6	29 798	47 587	-37.4	4 385	12 545	-65.0	S	1 166	S
Shallow draft	2 255	3 563	-36.7	26 551	32 093	-17.3	S	5 358	S	S	191	S
Great Lakes	S	—	S	S	—	S	S	—	S	10	—	S
Deep draft	551	S	S	S	S	S	S	S	S	1 283	3 705	-65.4
Air (includes truck and air)	24 963	17 615	41.7	551	354	55.5	713	499	43.0	1 344	1 299	3.5
Pipeline ²	7 527	2 483	203.1	38 593	13 863	178.4	S	S	S	S	S	S
Multiple modes	155 035	101 858	52.2	14 614	18 530	-21.1	9 018	10 271	-12.2	764	617	23.9
Parcel, U.S. Postal Service or courier	151 809	98 468	54.2	3 857	2 705	42.6	2 709	1 633	65.9	764	616	24.0
Truck and rail	2 339	2 169	7.8	S	927	S	2 156	1 179	82.9	1 595	1 403	13.7
Truck and water	447	748	-40.2	S	818	S	S	939	S	2 171	1 869	16.2
Rail and water	65	469	-86.1	2 625	14 072	-81.3	918	6 504	-85.9	374	577	-35.2
Other multiple modes	374	S	S	S	S	S	S	S	S	279	2 478	-88.8
Other and unknown modes ...	31 504	24 853	26.8	32 983	21 799	51.3	5 695	5 451	4.5	112	265	-67.7

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	78.6	83.4	95.5	95.1	90.2	89.3
Truck ¹	72.9	78.2	83.2	77.6	64.4	56.9
For-hire truck	43.6	48.4	38.6	32.5	48.3	42.6
Private truck	28.5	29.8	42.2	44.8	14.5	14.1
Rail	1.7	1.7	5.7	9.8	18.1	23.2
Water	.3	.8	2.8	5.8	2.9	8.6
Shallow draft	.3	.5	2.5	3.9	.6	3.7
Great Lakes	S	S	S	S	S	S
Deep draft	—	S	S	S	S	S
Air (includes truck and air)	2.9	2.3	—	—	.5	.3
Pipeline ²	.9	.3	3.7	1.7	S	S
Multiple modes	17.7	13.4	1.4	2.3	6.0	7.0
Parcel, U.S. Postal Service or courier	17.4	12.9	.4	.3	1.8	1.1
Truck and rail	.3	.3	S	.1	1.4	.8
Truck and water	—	.1	S	.1	S	.6
Rail and water	—	—	.2	1.7	.6	4.4
Other multiple modes	—	S	S	S	S	S
Other and unknown modes	3.6	3.3	3.1	2.7	3.8	3.7

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 2. Shipment Characteristics by Total Modal Activity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	150 564	100.0	450
Truck	97 300	64.6	128
Rail	29 884	19.8	626
Shallow draft	5 755	3.8	S
Great Lakes	259	.2	405
Deep draft	1 766	1.2	3 273
Air	670	.4	1 264
Parcel, U.S. Postal Service or courier	2 709	1.8	764
Pipeline	S	S	S
Other and unknown modes	5 701	3.8	112

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹Data represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving by truck only plus ton-miles for truck segments only of multiple mode shipments.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	873 472	100.0	1 053 082	100.0	150 564	100.0
Less than 50 miles	285 696	32.7	737 000	70.0	14 531	9.7
50 to 99 miles	93 052	10.7	99 803	9.5	9 503	6.3
100 to 249 miles	146 636	16.8	107 605	10.2	25 969	17.2
250 to 499 miles	103 329	11.8	48 914	4.6	23 135	15.4
500 to 749 miles	78 862	9.0	24 375	2.3	19 578	13.0
750 to 999 miles	45 914	5.3	11 179	1.1	12 237	8.1
1,000 to 1,499 miles	52 433	6.0	14 718	1.4	20 942	13.9
1,500 to 1,999 miles	15 857	1.8	2 138	.2	4 225	2.8
2,000 miles or more	51 694	5.9	7 350	.7	20 444	13.6
Single modes	686 933	100.0	1 005 485	100.0	135 851	100.0
Less than 50 miles	239 011	34.8	706 186	70.2	14 028	10.3
50 to 99 miles	79 674	11.6	97 561	9.7	9 278	6.8
100 to 249 miles	119 202	17.4	102 790	10.2	24 596	18.1
250 to 499 miles	80 839	11.8	46 286	4.6	21 831	16.1
500 to 749 miles	59 593	8.7	21 851	2.2	17 270	12.7
750 to 999 miles	33 782	4.9	9 951	1.0	10 525	7.7
1,000 to 1,499 miles	32 934	4.8	13 189	1.3	18 673	13.7
1,500 to 1,999 miles	9 834	1.4	1 860	.2	3 648	2.7
2,000 miles or more	32 062	4.7	5 811	.6	16 002	11.8
Truck¹	636 551	100.0	876 364	100.0	96 941	100.0
Less than 50 miles	228 002	35.8	651 150	74.3	13 220	13.6
50 to 99 miles	74 028	11.6	83 937	9.6	7 711	8.0
100 to 249 miles	110 251	17.3	67 780	7.7	13 547	14.0
250 to 499 miles	74 937	11.8	34 266	3.9	14 601	15.1
500 to 749 miles	55 250	8.7	17 517	2.0	13 082	13.5
750 to 999 miles	31 805	5.0	7 741	.9	7 823	8.1
1,000 to 1,499 miles	25 982	4.1	7 278	.8	10 067	10.4
1,500 to 1,999 miles	9 048	1.4	1 549	.2	3 012	3.1
2,000 miles or more	27 248	4.3	5 145	.6	13 878	14.3
For-hire truck	380 429	100.0	406 680	100.0	72 738	100.0
Less than 50 miles	67 476	17.7	258 017	63.4	6 065	8.3
50 to 99 miles	39 055	10.3	43 400	10.7	4 053	5.6
100 to 249 miles	81 882	21.5	43 646	10.7	9 021	12.4
250 to 499 miles	62 033	16.3	27 572	6.8	11 897	16.4
500 to 749 miles	48 482	12.7	15 080	3.7	11 256	15.5
750 to 999 miles	26 875	7.1	6 861	1.7	6 933	9.5
1,000 to 1,499 miles	22 352	5.9	6 118	1.5	8 434	11.6
1,500 to 1,999 miles	8 153	2.1	1 371	.3	2 667	3.7
2,000 miles or more	24 120	6.3	4 614	1.1	12 412	17.1
Private truck	248 880	100.0	444 466	100.0	21 843	100.0
Less than 50 miles	159 055	63.9	374 243	84.2	6 444	29.5
50 to 99 miles	33 922	13.6	37 652	8.5	3 336	15.3
100 to 249 miles	27 169	10.9	21 790	4.9	4 077	18.7
250 to 499 miles	11 061	4.4	6 083	1.4	2 429	11.1
500 to 749 miles	6 034	2.4	2 170	.5	1 626	7.4
750 to 999 miles	4 489	1.8	813	.2	823	3.8
1,000 to 1,499 miles	3 486	1.4	1 096	.2	1 541	7.1
1,500 to 1,999 miles	863	.3	172	—	334	1.5
2,000 miles or more	2 801	1.1	447	.1	1 234	5.6
Rail	15 062	100.0	60 179	100.0	27 292	100.0
Less than 50 miles	2 805	18.6	5 930	9.9	274	1.0
50 to 99 miles	353	2.3	4 661	7.7	722	2.6
100 to 249 miles	2 588	17.2	31 171	51.8	10 200	37.4
250 to 499 miles	3 853	25.6	9 981	16.6	5 245	19.2
500 to 749 miles	2 306	15.3	4 084	6.8	3 830	14.0
750 to 999 miles	630	4.2	S	S	S	S
1,000 to 1,499 miles	1 570	10.4	1 431	2.4	2 405	8.8
1,500 to 1,999 miles	S	S	295	.5	606	2.2
2,000 miles or more	660	4.4	457	.8	1 357	5.0
Water	2 830	100.0	29 798	100.0	4 385	100.0
Less than 50 miles	1 986	70.2	17 410	58.4	453	10.3
50 to 99 miles	652	23.0	8 934	30.0	842	19.2
100 to 249 miles	61	2.2	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Shallow draft	2 255	100.0	26 551	100.0	S	S
Less than 50 miles	S	S	16 089	60.6	433	11.6
50 to 99 miles	357	15.8	7 091	26.7	615	16.5
100 to 249 miles	55	2.4	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	551	100.0	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	24 963	100.0	551	100.0	713	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	S	S	28	5.0	4	.5
100 to 249 miles	S	S	119	21.6	49	6.9
250 to 499 miles	1 992	8.0	70	12.8	44	6.2
500 to 749 miles	2 028	8.1	61	11.1	67	9.4
750 to 999 miles	1 338	5.4	40	7.3	50	7.0
1,000 to 1,499 miles	4 460	17.9	79	14.4	118	16.5
1,500 to 1,999 miles	489	2.0	15	2.8	30	4.2
2,000 miles or more	4 099	16.4	138	25.1	352	49.3
Pipeline²	7 527	100.0	38 593	100.0	S	S
Less than 50 miles	6 218	82.6	31 696	82.1	S	S
50 to 99 miles	—	—	—	—	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	—	—	—	—	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	155 035	100.0	14 614	100.0	9 018	100.0
Less than 50 miles	28 949	18.7	S	S	193	2.1
50 to 99 miles	11 209	7.2	847	5.8	100	1.1
100 to 249 miles	23 985	15.5	2 874	19.7	987	10.9
250 to 499 miles	20 425	13.2	1 212	8.3	730	8.1
500 to 749 miles	17 738	11.4	S	S	S	S
750 to 999 miles	11 133	7.2	877	6.0	S	S
1,000 to 1,499 miles	17 509	11.3	779	5.3	1 269	14.1
1,500 to 1,999 miles	5 707	3.7	167	1.1	351	3.9
2,000 miles or more	18 379	11.9	779	5.3	2 347	26.0
Parcel, U.S. Postal Service or courier	151 809	100.0	3 857	100.0	2 709	100.0
Less than 50 miles	28 785	19.0	879	22.8	24	.9
50 to 99 miles	11 174	7.4	347	9.0	33	1.2
100 to 249 miles	23 597	15.5	627	16.2	132	4.9
250 to 499 miles	20 208	13.3	452	11.7	200	7.4
500 to 749 miles	17 304	11.4	413	10.7	307	11.4
750 to 999 miles	10 850	7.1	329	8.5	333	12.3
1,000 to 1,499 miles	17 111	11.3	366	9.5	504	18.6
1,500 to 1,999 miles	5 548	3.7	100	2.6	197	7.3
2,000 miles or more	17 230	11.4	344	8.9	978	36.1
Truck and rail	2 339	100.0	S	S	2 156	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	158	6.8	S	S	S	S
250 to 499 miles	S	S	56	1.2	26	1.2
500 to 749 miles	301	12.9	178	3.9	167	7.7
750 to 999 miles	136	5.8	63	1.4	71	3.3
1,000 to 1,499 miles	263	11.2	229	5.0	383	17.7
1,500 to 1,999 miles	160	6.8	S	S	S	S
2,000 miles or more	1 088	46.5	407	8.8	1 246	57.8
Truck and water	447	100.0	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	147	32.8	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	41	9.1	6	.3	48	1.7

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	65	100.0	2 625	100.0	918	100.0
Less than 50 miles	20	31.2	736	28.0	105	11.5
50 to 99 miles	S	S	S	S	51	5.5
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	16	25.1	683	26.0	487	53.1
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other multiple modes	374	100.0	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	31 504	100.0	32 983	100.0	5 695	100.0
Less than 50 miles	17 736	56.3	25 427	77.1	310	5.4
50 to 99 miles	2 169	6.9	1 395	4.2	125	2.2
100 to 249 miles	3 449	10.9	1 942	5.9	386	6.8
250 to 499 miles	2 065	6.6	1 417	4.3	573	10.1
500 to 749 miles	1 531	4.9	830	2.5	626	11.0
750 to 999 miles	999	3.2	351	1.1	354	6.2
1,000 to 1,499 miles	1 990	6.3	750	2.3	1 000	17.6
1,500 to 1,999 miles	315	1.0	112	.3	226	4.0
2,000 miles or more	1 252	4.0	759	2.3	2 095	36.8

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	873 472	100.0	1 053 082	100.0	150 564	100.0	454
Less than 50 lb	144 502	16.5	3 669	.3	1 509	1.0	527
50 to 99 lb	36 859	4.2	2 173	.2	663	.4	304
100 to 499 lb	115 905	13.3	11 557	1.1	2 844	1.9	254
500 to 749 lb	30 058	3.4	5 151	.5	1 115	.7	213
750 to 999 lb	28 458	3.3	4 540	.4	1 168	.8	255
1,000 to 9,999 lb	211 161	24.2	69 638	6.6	14 495	9.6	209
10,000 to 49,999 lb	248 556	28.5	485 769	46.1	70 484	46.8	155
50,000 to 99,999 lb	26 122	3.0	175 374	16.7	11 633	7.7	66
100,000 lb or more	31 850	3.6	295 212	28.0	46 652	31.0	150
Single modes	686 933	100.0	1 005 485	100.0	135 851	100.0	154
Less than 50 lb	37 212	5.4	1 838	.2	218	.2	136
50 to 99 lb	15 771	2.3	1 425	.1	190	.1	129
100 to 499 lb	85 512	12.4	9 924	1.0	1 961	1.4	186
500 to 749 lb	26 669	3.9	4 862	.5	1 016	.7	205
750 to 999 lb	26 697	3.9	4 309	.4	1 118	.8	257
1,000 to 9,999 lb	200 736	29.2	66 753	6.6	13 606	10.0	204
10,000 to 49,999 lb	239 464	34.9	473 782	47.1	65 792	48.4	148
50,000 to 99,999 lb	24 923	3.6	171 033	17.0	10 389	7.6	60
100,000 lb or more	29 948	4.4	271 560	27.0	41 561	30.6	142
Truck¹	636 551	100.0	876 364	100.0	96 941	100.0	129
Less than 50 lb	27 656	4.3	1 799	.2	170	.2	98
50 to 99 lb	13 908	2.2	1 400	.2	158	.2	109
100 to 499 lb	76 916	12.1	9 815	1.1	1 836	1.9	173
500 to 749 lb	25 644	4.0	4 834	.6	972	1.0	197
750 to 999 lb	26 301	4.1	4 292	.5	1 097	1.1	253
1,000 to 9,999 lb	196 520	30.9	66 394	7.6	13 358	13.8	200
10,000 to 49,999 lb	237 132	37.3	472 696	53.9	64 482	66.5	145
50,000 to 99,999 lb	22 843	3.6	169 762	19.4	9 535	9.8	57
100,000 lb or more	9 631	1.5	145 373	16.6	5 332	5.5	S
For-hire truck	380 429	100.0	406 680	100.0	72 738	100.0	475
Less than 50 lb	8 756	2.3	230	—	105	.1	483
50 to 99 lb	4 695	1.2	191	—	103	.1	522
100 to 499 lb	41 787	11.0	2 329	.6	1 395	1.9	577
500 to 749 lb	14 967	3.9	1 168	.3	773	1.1	647
750 to 999 lb	17 521	4.6	1 216	.3	910	1.3	747
1,000 to 9,999 lb	123 804	32.5	20 503	5.0	10 018	13.8	524
10,000 to 49,999 lb	152 488	40.1	239 608	58.9	49 922	68.6	241
50,000 to 99,999 lb	11 169	2.9	84 941	20.9	5 885	8.1	70
100,000 lb or more	5 242	1.4	56 494	13.9	3 627	5.0	S
Private truck	248 880	100.0	444 466	100.0	21 843	100.0	48
Less than 50 lb	18 757	7.5	1 544	.3	63	.3	43
50 to 99 lb	9 140	3.7	1 163	.3	53	.2	44
100 to 499 lb	34 679	13.9	7 418	1.7	426	2.0	55
500 to 749 lb	10 544	4.2	3 644	.8	193	.9	52
750 to 999 lb	8 706	3.5	3 062	.7	174	.8	57
1,000 to 9,999 lb	70 550	28.3	45 471	10.2	3 170	14.5	63
10,000 to 49,999 lb	80 717	32.4	223 246	50.2	13 308	60.9	61
50,000 to 99,999 lb	11 508	4.6	75 968	17.1	2 957	13.5	40
100,000 lb or more	4 278	1.7	82 949	18.7	1 499	6.9	S
Rail	15 062	100.0	60 179	100.0	27 292	100.0	460
Less than 50 lb	S	S	S	S	—	—	S
50 to 99 lb	S	S	S	S	S	S	300
100 to 499 lb	8	—	1	—	S	S	1 056
500 to 749 lb	3	—	S	S	S	S	1 188
750 to 999 lb	2	—	—	—	S	S	1 021
1,000 to 9,999 lb	S	S	S	S	38	.1	S
10,000 to 49,999 lb	1 354	9.0	865	1.4	1 173	4.3	1 384
50,000 to 99,999 lb	1 885	12.5	861	1.4	768	2.8	882
100,000 lb or more	10 533	69.9	58 266	96.8	25 311	92.7	523
Water	2 830	100.0	29 798	100.0	4 385	100.0	S
Less than 50 lb	S	S	S	S	S	S	11
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	108
750 to 999 lb	S	S	S	S	S	S	590
1,000 to 9,999 lb	S	S	S	S	S	S	120
10,000 to 49,999 lb	S	S	119	.4	6	.1	S
50,000 to 99,999 lb	S	S	S	S	S	S	S
100,000 lb or more	2 256	79.7	29 293	98.3	4 367	99.6	242
Shallow draft	2 255	100.0	26 551	100.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	11
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	20
500 to 749 lb	S	S	S	S	S	S	108
750 to 999 lb	S	S	S	S	S	S	37
1,000 to 9,999 lb	S	S	S	S	S	S	94
10,000 to 49,999 lb	S	S	S	S	1	—	37
50,000 to 99,999 lb	S	S	S	S	S	S	18
100,000 lb or more	S	S	26 167	98.6	S	S	173

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	S	S	S	S	S	S	10
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	9
50,000 to 99,999 lb	S	S	S	S	S	S	10
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	551	100.0	S	S	S	S	1 283
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	9 353
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	6 244
1,000 to 9,999 lb	5	.9	1	—	S	S	1 564
10,000 to 49,999 lb	43	7.9	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	570
100,000 lb or more	S	S	S	S	S	S	S
Air (includes truck and air)	24 963	100.0	551	100.0	713	100.0	1 344
Less than 50 lb	9 520	38.1	37	6.7	47	6.7	1 349
50 to 99 lb	1 857	7.4	24	4.3	32	4.5	1 332
100 to 499 lb	8 533	34.2	98	17.8	122	17.2	1 255
500 to 749 lb	1 020	4.1	25	4.6	43	6.0	1 701
750 to 999 lb	389	1.6	17	3.0	21	2.9	1 268
1,000 to 9,999 lb	2 905	11.6	151	27.5	206	29.0	1 482
10,000 to 49,999 lb	S	S	97	17.6	131	18.3	1 412
50,000 to 99,999 lb	S	S	S	S	S	S	1 425
100,000 lb or more	14	—	43	7.9	S	S	678
Pipeline²	7 527	100.0	38 593	100.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	S	S	S
100,000 lb or more	7 514	99.8	38 585	100.0	S	S	S
Multiple modes	155 035	100.0	14 614	100.0	9 018	100.0	764
Less than 50 lb	100 841	65.0	1 706	11.7	1 277	14.2	768
50 to 99 lb	20 108	13.0	646	4.4	466	5.2	715
100 to 499 lb	27 161	17.5	1 261	8.6	846	9.4	697
500 to 749 lb	2 596	1.7	140	1.0	85	.9	600
750 to 999 lb	1 054	.7	99	.7	40	.4	398
1,000 to 9,999 lb	470	.3	61	.4	64	.7	1 013
10,000 to 49,999 lb	2 024	1.3	1 447	9.9	2 284	25.3	1 584
50,000 to 99,999 lb	170	.1	495	3.4	133	1.5	S
100,000 lb or more	611	.4	8 760	59.9	S	S	793
Parcel, U.S. Postal Service or courier	151 809	100.0	3 857	100.0	2 709	100.0	764
Less than 50 lb	100 837	66.4	1 706	44.2	1 277	47.1	768
50 to 99 lb	20 107	13.2	646	16.7	466	17.2	715
100 to 499 lb	27 139	17.9	1 259	32.6	842	31.1	695
500 to 749 lb	2 592	1.7	139	3.6	83	3.1	593
750 to 999 lb	1 039	.7	98	2.6	38	1.4	380
1,000 to 9,999 lb	95	—	9	.2	3	.1	340
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	2 339	100.0	S	S	2 156	100.0	1 595
Less than 50 lb	S	S	S	S	S	S	1 489
50 to 99 lb	S	S	S	S	S	S	2 655
100 to 499 lb	S	S	S	S	S	S	1 072
500 to 749 lb	S	S	S	S	1	—	1 396
750 to 999 lb	S	S	S	S	S	S	3 198
1,000 to 9,999 lb	350	15.0	37	.8	46	2.1	1 554
10,000 to 49,999 lb	1 741	74.4	922	20.0	1 737	80.6	1 851
50,000 to 99,999 lb	31	1.3	S	S	S	S	S
100,000 lb or more	179	7.7	S	S	S	S	791
Truck and water	447	100.0	S	S	S	S	2 171
Less than 50 lb	S	S	S	S	S	S	3 374
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	7 521
500 to 749 lb	S	S	S	S	S	S	7 047
750 to 999 lb	S	S	S	S	S	S	7 919
1,000 to 9,999 lb	S	S	S	S	S	S	2 030
10,000 to 49,999 lb	189	42.2	315	14.4	429	15.6	1 407
50,000 to 99,999 lb	S	S	S	S	S	S	1 068
100,000 lb or more	S	S	S	S	S	S	1 222

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	65	100.0	2 625	100.0	918	100.0	374
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	126
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	65	100.0	2 625	100.0	918	100.0	376
Other multiple modes	374	100.0	S	S	S	S	279
Less than 50 lb	S	S	S	S	S	S	503
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	498
50,000 to 99,999 lb	S	S	S	S	S	S	20
100,000 lb or more	S	S	S	S	S	S	387
Other and unknown modes	31 504	100.0	32 983	100.0	5 695	100.0	112
Less than 50 lb	6 448	20.5	125	.4	14	.2	101
50 to 99 lb	981	3.1	102	.3	7	.1	S
100 to 499 lb	3 232	10.3	373	1.1	36	.6	91
500 to 749 lb	792	2.5	149	.5	15	.3	102
750 to 999 lb	708	2.2	132	.4	10	.2	S
1,000 to 9,999 lb	9 955	31.6	2 823	8.6	826	14.5	311
10,000 to 49,999 lb	7 068	22.4	10 540	32.0	2 407	42.3	258
50,000 to 99,999 lb	1 029	3.3	3 847	11.7	1 111	19.5	S
100,000 lb or more	1 291	4.1	14 892	45.2	1 269	22.3	347

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	873 472	100.0	1 053 082	100.0	150 564	100.0	454
01	Live animals and live fish	129	—	137	—	70	—	S
02	Cereal grains	714	—	2 258	.2	265	.2	S
03	Other agricultural products	7 672	.9	10 251	1.0	1 156	.8	S
04	Animal feed and products of animal origin, n.e.c.	3 902	.4	10 167	1.0	1 190	.8	167
05	Meat, fish, seafood, and their preparations	14 885	1.7	5 455	.5	1 680	1.1	62
06	Milled grain products and preparations, and bakery products	15 249	1.7	11 234	1.1	3 796	2.5	S
07	Other prepared foodstuffs and fats and oils	56 319	6.4	52 108	4.9	10 935	7.3	78
08	Alcoholic beverages	10 986	1.3	11 273	1.1	3 362	2.2	44
09	Tobacco products	5 324	.6	255	—	30	—	70
10	Monumental or building stone	627	—	3 718	.4	S	S	61
11	Natural sands	828	—	46 837	4.4	2 092	1.4	62
12	Gravel and crushed stone	1 556	.2	221 158	21.0	6 283	4.2	30
13	Nonmetallic minerals n.e.c.	957	.1	38 842	3.7	2 556	1.7	89
14	Metallic ores and concentrates	899	.1	2 100	.2	S	S	476
15	Coal	3 235	.4	110 980	10.5	21 256	14.1	52
17	Gasoline and aviation turbine fuel	17 222	2.0	67 847	6.4	S	S	32
18	Fuel oils	10 730	1.2	55 311	5.3	2 407	1.6	23
19	Coal and petroleum products, n.e.c.	8 328	1.0	82 314	7.8	3 655	2.4	S
20	Basic chemicals	16 519	1.9	15 722	1.5	5 685	3.8	371
21	Pharmaceutical products	51 639	5.9	1 625	.2	700	.5	718
22	Fertilizers	753	—	2 493	.2	391	.3	132
23	Chemical products and preparations, n.e.c.	38 397	4.4	7 765	.7	3 967	2.6	459
24	Plastics and rubber	38 090	4.4	13 835	1.3	7 989	5.3	407
25	Logs and other wood in the rough	480	—	3 270	.3	296	.2	S
26	Wood products	8 357	1.0	13 654	1.3	2 685	1.8	296
27	Pulp, newsprint, paper, and paperboard	13 836	1.6	14 607	1.4	5 909	3.9	102
28	Paper or paperboard articles	13 670	1.6	9 163	.9	2 069	1.4	283
29	Printed products	80 779	9.2	14 477	1.4	4 718	3.1	348
30	Textiles, leather, and articles of textiles or leather	52 746	6.0	3 700	.4	2 097	1.4	694
31	Nonmetallic mineral products	16 939	1.9	93 522	8.9	8 490	5.6	794
32	Base metal in primary or semifinished forms and in finished basic shapes	43 156	4.9	30 868	2.9	12 197	8.1	303
33	Articles of base metal	27 116	3.1	12 871	1.2	4 788	3.2	425
34	Machinery	44 745	5.1	4 485	.4	1 835	1.2	292
35	Electronic and other electrical equipment and components and office equipment	89 150	10.2	3 943	.4	2 574	1.7	647
36	Motorized and other vehicles (including parts)	40 750	4.7	5 981	.6	2 309	1.5	207
37	Transportation equipment, n.e.c.	6 450	.7	944	—	926	.6	924
38	Precision instruments and apparatus	23 343	2.7	345	—	274	.2	757
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	9 168	1.0	1 500	.1	637	.4	394
40	Miscellaneous manufactured products	64 137	7.3	S	S	3 929	2.6	799
41	Waste and scrap	4 277	.5	20 029	1.9	4 863	3.2	127
43	Mixed freight	25 357	2.9	12 017	1.1	1 641	1.1	175
--	Commodity unknown	4 054	.5	1 737	.2	686	.5	563

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	873 472	100.0	1 053 082	100.0	150 564	100.0	454
010	Live animals and live fish	129	—	137	—	70	—	S
021	Wheat	103	—	688	—	27	—	32
022	Corn, except sweet	167	—	1 350	.1	70	—	29
029	Other cereal grains	S	S	220	—	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	961	.1	3 155	.3	S	S	59
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	2 662	.3	1 952	.2	155	.1	S
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	161
034	Soya beans	134	—	539	—	50	—	S
035	Oil seeds and nuts, except olives and soya beans	14	—	14	—	1	—	68
036	Bulbs, live plants, and seeds for sowing, n.e.c.	305	—	S	S	S	S	287
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	459	—	255	—	S	S	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	936	.1	1 345	.1	282	.2	373
042	Animal feed preparations	2 966	.3	8 822	.8	908	.6	S
051	Meat including poultry, except preparations	12 850	1.5	5 017	.5	1 551	1.0	71
052	Fish, except live, and seafood, except preparations	1 837	.2	395	—	83	—	S
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	S
061	Wheat flour, groats, and meal	832	.1	2 752	.3	428	.3	159
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	490	—	827	—	S	S	S
063	Food preparations of cereals, flour, starch, or milk	5 058	.6	2 841	.3	1 230	.8	176
064	Bakery products	8 869	1.0	4 814	.5	1 732	1.2	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	13 461	1.5	11 787	1.1	2 476	1.6	43
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	13 484	1.5	12 625	1.2	3 521	2.3	84
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	1 917	.2	459	—	135	—	107
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	1 417	.2	1 320	.1	S	S	105
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	1 037	.1	1 689	.2	286	.2	S
076	Confectionery, cocoa, and cocoa preparations	10 238	1.2	2 386	.2	1 083	.7	274
077	Edible preparations, n.e.c. and vinegar	6 724	.8	3 704	.4	1 686	1.1	251
078	Nonalcoholic beverages, n.e.c. and ice	8 042	.9	18 139	1.7	1 436	1.0	27
081	Malt Beer	8 669	1.0	10 452	1.0	2 988	2.0	42
082	Wine and other fermented beverages	1 506	.2	591	—	182	.1	S
083	Spirituos beverages and ethyl alcohol	811	—	229	—	S	S	S
090	Tobacco products	5 324	.6	255	—	30	—	70
100	Monumental or building stone, except dolomite	627	—	3 718	.4	S	S	61
110	Natural sands, except metal-bearing	828	—	46 837	4.4	2 092	1.4	62
120	Gravel and crushed stone, except dolomite and slate	1 556	.2	221 158	21.0	6 283	4.2	30
131	Salt	326	—	8 868	.8	1 385	.9	104
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	436
133	Dolomite	148	—	27 573	2.6	736	.5	23
139	Other nonmetallic minerals	444	—	2 106	.2	350	.2	184
141	Iron ores and concentrates	S	S	S	S	S	S	116
149	Other metallic ores and concentrates	846	.1	1 783	.2	S	S	523
151	Nonagglomerated bituminous coal	2 522	.3	103 221	9.8	20 602	13.7	53
159	Other coal	S	S	7 759	.7	654	.4	49
171	Gasoline	16 434	1.9	63 460	6.0	S	S	32
172	Aviation turbine fuel (types A and B)	S	S	S	S	S	S	50
180	Fuel oils	10 730	1.2	55 311	5.3	2 407	1.6	23
191	Lubricating oils and greases	1 452	.2	1 553	.1	S	S	162
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	1 481	.2	6 244	.6	364	.2	S
193	Gaseous hydrocarbons	1 331	.2	5 460	.5	304	.2	S
199	Other products of petroleum refining, and coal products	4 065	.5	69 056	6.6	2 391	1.6	26
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	461	—	S	S	408	.3	189
202	Inorganic chemicals, n.e.c.	6 267	.7	9 657	.9	3 679	2.4	209
203	Cyclic hydrocarbons	S	S	S	S	28	—	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	S	S	S	S	S	S	426
205	Organic chemicals, n.e.c.	7 107	.8	1 932	.2	1 044	.7	528
210	Pharmaceutical products	51 639	5.9	1 625	.2	700	.5	718
220	Fertilizers and fertilizer materials	753	—	2 493	.2	391	.3	132
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	4 256	.5	1 013	.1	453	.3	192
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	10 107	1.2	1 070	.1	496	.3	647
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	2 848	.3	2 139	.2	1 050	.7	395
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	S	S	800	—	499	.3	654
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	758	—	246	—	86	—	S
239	Other chemical products and preparations	4 420	.5	2 497	.2	1 384	.9	308
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	7 893	.9	5 400	.5	4 166	2.8	495
242	Manmade fibers and plastics basic shapes and articles	25 204	2.9	7 277	.7	3 311	2.2	461

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	4 994	.6	1 158	.1	511	.3	211
250	Logs and other wood in the rough	480	—	3 270	.3	296	.2	S
261	Wood chips or particles	84	—	2 752	.3	S	S	178
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	3 179	.4	5 992	.6	1 398	.9	160
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	1 186	.1	1 431	.1	378	.3	219
264	Builders' joinery and carpentry of wood, except shingles and shakes	2 496	.3	757	—	90	—	107
269	Other wood products	1 413	.2	2 723	.3	349	.2	553
271	Pulp of fibrous cellulosic materials	195	—	377	—	S	S	S
272	Newsprint in large rolls or sheets	290	—	581	—	200	.1	159
273	Uncoated paper and paperboard in large rolls or sheets	7 922	.9	8 824	.8	3 304	2.2	S
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	5 430	.6	4 825	.5	2 106	1.4	235
280	Paper or paperboard articles	13 670	1.6	9 163	.9	2 069	1.4	283
291	Printed books, brochures, leaflets, and similar printed products	S	S	4 624	.4	2 407	1.6	793
292	Newspapers, journals, and periodicals	11 333	1.3	6 368	.6	450	.3	101
293	Advertising material, commercial or trade catalogues, and similar printed products	5 356	.6	1 776	.2	742	.5	733
299	Other printed products	7 095	.8	S	S	S	S	560
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	5 642	.6	639	—	270	.2	388
302	Textile clothing and accessories, and headgear, except safety	29 565	3.4	1 338	.1	844	.6	704
303	Textiles and textile articles, n.e.c.	12 954	1.5	1 533	.1	832	.6	796
304	Footwear	1 380	.2	63	—	57	—	987
305	Leather and articles, luggage of related materials, and dressed furskins and articles	3 206	.4	127	—	95	—	950
311	Hydraulic cements	721	—	11 487	1.1	795	.5	56
312	Ceramic products	3 836	.4	2 350	.2	1 170	.8	923
313	Glass and glass products	7 358	.8	6 746	.6	3 117	2.1	1 225
319	Other nonmetallic mineral products	5 024	.6	72 938	6.9	3 408	2.3	57
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	6 099	.7	3 800	.4	1 055	.7	165
322	Flat-rolled products of iron or steel	11 285	1.3	15 323	1.5	5 354	3.6	194
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	6 458	.7	6 074	.6	2 663	1.8	300
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	19 314	2.2	5 671	.5	3 125	2.1	388
331	Pipes, tubes, and fittings	6 686	.8	4 754	.5	1 613	1.1	145
332	Structures and parts, except prefabricated buildings	5 394	.6	2 878	.3	701	.5	162
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	8 668	1.0	1 414	.1	855	.6	354
339	Other articles of metal	6 369	.7	3 826	.4	1 618	1.1	995
341	Internal-combustion piston engines	8 349	1.0	1 190	.1	352	.2	145
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	3 946	.5	388	—	161	.1	425
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	4 940	.6	367	—	226	.2	392
344	Air-conditioning, refrigerating, or freezing equipment	2 683	.3	348	—	107	—	199
345	Materials-handling, excavating, boring, and related machinery and equipment	4 635	.5	818	—	267	.2	208
349	Other machinery	20 192	2.3	1 374	.1	723	.5	317
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	3 235	.4	197	—	147	.1	533
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	1 520	.2	151	—	82	—	670
353	Line telephone or telegraph apparatus	3 637	.4	71	—	53	—	779
354	Electronic entertainment products, except parts	9 570	1.1	578	—	414	.3	1 164
355	Computer and office equipment	24 488	2.8	651	—	433	.3	664
356	Prepared unrecorded or prerecorded media	4 984	.6	240	—	129	—	1 473
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	4 329	.5	33	—	29	—	610
358	Electronic components and parts	16 483	1.9	478	—	388	.3	678
359	Other electronic and electrical equipment	20 905	2.4	1 545	.1	899	.6	323
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	4 723	.5	568	—	264	.2	87
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	3 792	.4	632	—	S	S	158
363	Other vehicles	5 118	.6	840	—	355	.2	529
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	27 117	3.1	3 941	.4	1 537	1.0	199
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	2 187	.3	907	—	888	.6	804
372	Aircraft and spacecraft	3 965	.5	17	—	18	—	1 034
373	Ships, boats, and floating structures	298	—	20	—	20	—	S
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	3 937	.5	37	—	32	—	776
382	Photographic and photocopying machines	4 244	.5	80	—	86	—	786
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	314	—	2	—	S	S	940
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	8 714	1.0	154	—	93	—	723
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	6 134	.7	72	—	60	—	713

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	9 168	1.0	1 500	.1	637	.4	394
401	Arms and ammunition	599	—	15	—	14	—	882
402	Toys, games, and sporting equipment	4 549	.5	433	—	316	.2	659
409	Miscellaneous manufactured products	58 989	6.8	S	S	3 599	2.4	813
411	Metallic waste and scrap	3 733	.4	16 124	1.5	S	S	101
412	Nonmetallic waste and scrap, except from food processing	544	—	3 905	.4	813	.5	208
439	Mixed freight	25 357	2.9	12 017	1.1	1 641	1.1	175
—	Commodity unknown	4 054	.5	1 737	.2	686	.5	563

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 160, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	873 472	100.0	1 053 082	100.0	150 564	100.0	454
Single modes	686 933	78.6	1 005 485	95.5	135 851	90.2	154
Truck ¹	636 551	72.9	876 364	83.2	96 941	64.4	129
For-hire truck	380 429	43.6	406 680	38.6	72 738	48.3	475
Private truck	248 880	28.5	444 466	42.2	21 843	14.5	48
Rail	15 062	1.7	60 179	5.7	27 292	18.1	460
Water	2 830	.3	29 798	2.8	4 385	2.9	S
Shallow draft	2 255	.3	26 551	2.5	S	S	S
Great Lakes	S	S	S	S	S	S	10
Deep draft	551	—	S	S	S	S	1 283
Air (includes truck and air)	24 963	2.9	551	—	713	.5	1 344
Pipeline ²	7 527	.9	38 593	3.7	S	S	S
Multiple modes	155 035	17.7	14 614	1.4	9 018	6.0	764
Parcel, U.S. Postal Service or courier	151 809	17.4	3 857	.4	2 709	1.8	764
Truck and rail	2 339	.3	S	S	2 156	1.4	1 595
Truck and water	447	—	S	S	S	S	2 171
Rail and water	65	—	2 625	.2	918	.6	374
Other multiple modes	374	—	S	S	S	S	279
Other and unknown modes	31 504	3.6	32 983	3.1	5 695	3.8	112
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	129	100.0	137	100.0	70	100.0	S
Single modes	124	96.1	132	96.6	67	95.7	S
Truck ¹	124	96.1	132	96.6	67	95.7	S
For-hire truck	67	51.6	79	57.8	58	83.2	674
Private truck	57	44.5	S	S	S	S	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 398
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 398
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	668
SCTG 02, CEREAL GRAINS							
Total	714	100.0	2 258	100.0	265	100.0	S
Single modes	616	86.3	2 121	93.9	190	71.8	S
Truck ¹	496	69.5	1 896	84.0	129	48.9	S
For-hire truck	331	46.3	803	35.6	97	36.7	148
Private truck	164	23.0	1 083	48.0	32	12.0	23
Rail	120	16.8	225	10.0	61	23.0	470
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	579
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	118
Truck and rail	S	S	S	S	S	S	1 646
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	39

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	7 672	100.0	10 251	100.0	1 156	100.0	S
Single modes	7 247	94.5	9 658	94.2	1 121	97.0	44
Truck ¹	7 229	94.2	9 657	94.2	1 119	96.8	43
For-hire truck	2 291	29.9	4 444	43.4	831	71.9	168
Private truck	4 908	64.0	5 185	50.6	282	24.3	29
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 310
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	81	1.1	S	S	S	S	1 057
Parcel, U.S. Postal Service or courier	80	1.0	S	S	S	S	1 070
Truck and rail	S	S	S	S	S	S	20
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	3 902	100.0	10 167	100.0	1 190	100.0	167
Single modes	3 467	88.8	9 568	94.1	1 039	87.3	S
Truck ¹	3 407	87.3	9 403	92.5	938	78.8	71
For-hire truck	938	24.0	1 796	17.7	509	42.8	233
Private truck	2 161	55.4	7 579	74.5	415	34.9	38
Rail	38	1.0	108	1.1	98	8.2	1 218
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	2 601
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	162	4.1	S	S	S	S	699
Parcel, U.S. Postal Service or courier	S	S	5	—	4	.3	694
Truck and rail	S	S	S	S	S	S	2 210
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	14 885	100.0	5 455	100.0	1 680	100.0	62
Single modes	14 368	96.5	5 299	97.1	1 650	98.2	59
Truck ¹	14 368	96.5	5 299	97.1	1 650	98.2	59
For-hire truck	3 877	26.0	1 435	26.3	1 141	67.9	373
Private truck	10 473	70.4	3 844	70.5	506	30.1	38
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	962
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	945
Truck and rail	S	S	S	S	S	S	3 247
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	496	3.3	152	2.8	20	1.2	67

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	15 249	100.0	11 234	100.0	3 796	100.0	S
Single modes	14 842	97.3	10 891	97.0	3 604	94.9	S
Truck ¹	14 549	95.4	10 550	93.9	3 237	85.3	S
For-hire truck	5 223	34.2	4 176	37.2	2 345	61.8	533
Private truck	8 837	58.0	6 006	53.5	703	18.5	S
Rail	292	1.9	341	3.0	367	9.7	1 480
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 180
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	261	1.7	108	1.0	178	4.7	S
Parcel, U.S. Postal Service or courier	S	S	S	S	5	.1	S
Truck and rail	157	1.0	95	.8	174	4.6	1 886
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	156
Other and unknown modes	147	1.0	235	2.1	S	S	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	56 319	100.0	52 108	100.0	10 935	100.0	78
Single modes	54 897	97.5	51 054	98.0	10 479	95.8	63
Truck ¹	54 613	97.0	50 825	97.5	10 177	93.1	63
For-hire truck	24 756	44.0	15 863	30.4	6 904	63.1	365
Private truck	29 022	51.5	33 639	64.6	3 050	27.9	35
Rail	256	.5	224	.4	287	2.6	1 398
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 745
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	348	.6	111	.2	217	2.0	726
Parcel, U.S. Postal Service or courier	S	S	27	—	9	—	716
Truck and rail	99	.2	84	.2	208	1.9	2 545
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 075	1.9	943	1.8	239	2.2	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	10 986	100.0	11 273	100.0	3 362	100.0	44
Single modes	10 759	97.9	10 980	97.4	3 028	90.1	44
Truck ¹	10 546	96.0	10 742	95.3	2 884	85.8	43
For-hire truck	4 005	36.5	4 772	42.3	2 331	69.3	231
Private truck	6 534	59.5	5 967	52.9	553	16.5	31
Rail	213	1.9	238	2.1	142	4.2	636
Water	S	S	S	S	S	S	7 798
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	7 798
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	806
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	114
Truck and rail	S	S	S	S	S	S	1 231
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 778
Other and unknown modes	93	.8	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	5 324	100.0	255	100.0	30	100.0	70
Single modes	4 982	93.6	246	96.7	27	90.6	40
Truck ¹	4 982	93.6	246	96.7	27	90.6	40
For-hire truck	242	4.5	22	8.7	15	51.4	817
Private truck	4 740	89.0	224	88.0	12	39.3	26
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	240	4.5	4	1.7	3	9.2	684
Parcel, U.S. Postal Service or courier	240	4.5	4	1.7	3	9.2	684
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	102	1.9	4	1.6	—	.1	S
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	627	100.0	3 718	100.0	S	S	61
Single modes	603	96.2	3 653	98.3	260	71.4	S
Truck ¹	603	96.2	3 653	98.3	260	71.4	S
For-hire truck	S	S	2 511	67.5	156	42.8	S
Private truck	S	S	1 142	30.7	S	S	52
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 012
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	2 913
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	202
Truck and rail	S	S	S	S	S	S	3 168
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 11, NATURAL SANDS							
Total	828	100.0	46 837	100.0	2 092	100.0	62
Single modes	808	97.6	46 123	98.5	1 948	93.1	60
Truck ¹	784	94.6	43 950	93.8	1 718	82.1	59
For-hire truck	S	S	24 467	52.2	1 268	60.6	84
Private truck	378	45.6	18 779	40.1	395	18.9	29
Rail	16	1.9	811	1.7	181	8.7	223
Water	S	S	S	S	S	S	36
Shallow draft	S	S	S	S	S	S	36
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	138
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	278
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	278
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	175

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	1 556	100.0	221 158	100.0	6 283	100.0	30
Single modes	1 506	96.8	215 417	97.4	6 163	98.1	30
Truck ¹	1 478	95.0	213 500	96.5	5 811	92.5	30
For-hire truck	711	45.7	93 605	42.3	3 520	56.0	39
Private truck	716	46.0	114 578	51.8	2 193	34.9	23
Rail	28	1.8	1 917	.9	352	5.6	108
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	46
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	353
Truck and rail	S	S	S	S	S	S	17
Truck and water	S	S	S	S	S	S	53
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	19
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	957	100.0	38 842	100.0	2 556	100.0	89
Single modes	880	91.9	38 443	99.0	2 363	92.5	71
Truck ¹	856	89.4	35 176	90.6	1 999	78.2	70
For-hire truck	355	37.1	5 042	13.0	674	26.4	168
Private truck	401	41.9	15 654	40.3	311	12.2	34
Rail	S	S	S	S	S	S	682
Water	S	S	S	S	S	S	39
Shallow draft	S	S	S	S	S	S	70
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	3
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	674
Parcel, U.S. Postal Service or courier	S	S	1	—	—	—	603
Truck and rail	S	S	S	S	S	S	1 898
Truck and water	S	S	S	S	S	S	2 330
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	16
Other and unknown modes	S	S	S	S	S	S	S
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	899	100.0	2 100	100.0	S	S	476
Single modes	796	88.5	1 820	86.6	371	36.9	310
Truck ¹	725	80.6	1 613	76.8	268	26.7	302
For-hire truck	697	77.5	1 358	64.7	227	22.5	336
Private truck	26	2.9	S	S	S	S	101
Rail	70	7.8	207	9.9	103	10.2	500
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	569
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	486
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	486
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	1 427

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	3 235	100.0	110 980	100.0	21 256	100.0	52
Single modes	2 696	83.4	95 083	85.7	19 919	93.7	48
Truck ¹	1 462	45.2	47 316	42.6	1 869	8.8	45
For-hire truck	908	28.1	40 397	36.4	1 625	7.6	55
Private truck	S	S	S	S	245	1.2	S
Rail	916	28.3	35 053	31.6	14 846	69.8	398
Water	318	9.8	12 715	11.5	S	S	194
Shallow draft	318	9.8	12 715	11.5	S	S	194
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	95	2.9	3 315	3.0	1 218	5.7	416
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	264
Truck and rail	S	S	S	S	S	S	198
Truck and water	S	S	S	S	S	S	902
Rail and water	65	2.0	2 625	2.4	918	4.3	374
Other multiple modes	S	S	S	S	S	S	127
Other and unknown modes	443	13.7	12 582	11.3	S	S	42
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	17 222	100.0	67 847	100.0	S	S	32
Single modes	16 980	98.6	67 032	98.8	S	S	38
Truck ¹	11 917	69.2	41 842	61.7	1 702	25.0	37
For-hire truck	3 840	22.3	13 652	20.1	834	12.3	68
Private truck	8 076	46.9	28 190	41.5	869	12.8	27
Rail	S	S	S	S	S	S	225
Water	S	S	S	S	S	S	19
Shallow draft	S	S	S	S	S	S	21
Great Lakes	S	S	S	S	S	S	10
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	4 390	25.5	22 181	32.7	S	S	S
Multiple modes	S	S	S	S	S	S	18
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	18
Other and unknown modes	141	.8	510	.8	11	.2	S
SCTG 18, FUEL OILS							
Total	10 730	100.0	55 311	100.0	2 407	100.0	23
Single modes	10 284	95.8	53 382	96.5	2 028	84.2	23
Truck ¹	7 143	66.6	35 636	64.4	1 389	57.7	23
For-hire truck	2 070	19.3	11 385	20.6	602	25.0	49
Private truck	5 074	47.3	24 251	43.8	787	32.7	21
Rail	S	S	S	S	S	S	179
Water	607	5.7	3 784	6.8	S	S	104
Shallow draft	S	S	S	S	S	S	14
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	198
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	2 529	23.6	13 934	25.2	S	S	S
Multiple modes	S	S	S	S	S	S	117
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	437
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	S	S	S	S	S	S	10

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	8 328	100.0	82 314	100.0	3 655	100.0	S
Single modes	8 254	99.1	81 776	99.3	3 623	99.1	S
Truck ¹	6 303	75.7	70 380	85.5	2 299	62.9	36
For-hire truck	2 992	35.9	30 302	36.8	1 345	36.8	94
Private truck	3 231	38.8	39 079	47.5	910	24.9	20
Rail	675	8.1	3 380	4.1	1 172	32.1	494
Water	S	S	S	S	S	S	21
Shallow draft	S	S	S	S	S	S	23
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	15
Air (includes truck and air)	S	S	S	S	S	S	1 720
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	16	.2	S	S	S	S	554
Parcel, U.S. Postal Service or courier	S	S	2	—	S	S	578
Truck and rail	S	S	S	S	S	S	962
Truck and water	S	—	S	—	S	—	27
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	58	.7	S	S	29	.8	S
SCTG 20, BASIC CHEMICALS							
Total	16 519	100.0	15 722	100.0	5 685	100.0	371
Single modes	14 423	87.3	15 423	98.1	5 374	94.5	154
Truck ¹	13 054	79.0	11 468	72.9	2 390	42.0	148
For-hire truck	9 401	56.9	5 125	32.6	1 783	31.4	390
Private truck	3 615	21.9	6 336	40.3	601	10.6	43
Rail	858	5.2	2 398	15.3	1 378	24.2	369
Water	S	S	S	S	S	S	161
Shallow draft	S	S	S	S	S	S	165
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	75
Air (includes truck and air)	78	.5	—	—	1	—	1 537
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	1 688	10.2	112	.7	S	S	627
Parcel, U.S. Postal Service or courier	1 598	9.7	S	S	28	.5	625
Truck and rail	76	.5	S	S	S	S	2 424
Truck and water	S	S	S	S	S	S	3 020
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	34
Other and unknown modes	407	2.5	186	1.2	S	S	121
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	51 639	100.0	1 625	100.0	700	100.0	718
Single modes	31 419	60.8	1 444	88.9	550	78.5	243
Truck ¹	30 215	58.5	1 409	86.7	514	73.4	168
For-hire truck	22 235	43.1	752	46.3	482	68.9	280
Private truck	7 730	15.0	S	S	31	4.4	74
Rail	S	S	S	S	S	S	435
Water	S	S	S	S	S	S	64
Shallow draft	S	S	S	S	S	S	64
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	983	1.9	13	.8	18	2.6	1 313
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	19 817	38.4	164	10.1	144	20.5	811
Parcel, U.S. Postal Service or courier	19 801	38.3	163	10.0	140	20.1	811
Truck and rail	S	S	S	S	S	S	3 334
Truck and water	S	S	S	S	S	S	7 775
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	402	.8	17	1.0	7	.9	244

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	753	100.0	2 493	100.0	391	100.0	132
Single modes	720	95.6	2 441	97.9	386	98.7	121
Truck ¹	717	95.2	2 403	96.4	S	S	120
For-hire truck	453	60.2	S	S	S	S	S
Private truck	263	35.0	734	29.5	48	12.4	53
Rail	S	S	S	S	S	S	899
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	512
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 075
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 079
Truck and rail	S	S	S	S	S	S	20
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	20	2.6	S	S	S	S	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	38 397	100.0	7 765	100.0	3 967	100.0	459
Single modes	32 294	84.1	7 349	94.7	3 776	95.2	378
Truck ¹	31 524	82.1	7 005	90.2	3 355	84.6	308
For-hire truck	25 201	65.6	5 051	65.0	2 960	74.6	670
Private truck	6 271	16.3	1 856	23.9	365	9.2	78
Rail	363	.9	325	4.2	386	9.7	1 091
Water	S	S	S	S	S	S	148
Shallow draft	S	S	S	S	S	S	148
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	392	1.0	S	S	S	S	1 774
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	5 098	13.3	192	2.5	153	3.9	629
Parcel, U.S. Postal Service or courier	5 032	13.1	144	1.9	86	2.2	629
Truck and rail	65	.2	S	S	66	1.7	2 103
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 005	2.6	223	2.9	38	1.0	S
SCTG 24, PLASTICS AND RUBBER							
Total	38 090	100.0	13 835	100.0	7 989	100.0	407
Single modes	32 644	85.7	13 002	94.0	7 477	93.6	258
Truck ¹	31 079	81.6	11 420	82.5	6 113	76.5	244
For-hire truck	20 550	54.0	7 623	55.1	5 300	66.3	645
Private truck	10 469	27.5	3 773	27.3	811	10.1	69
Rail	1 248	3.3	S	S	S	S	1 465
Water	S	S	S	S	S	S	6 260
Shallow draft	S	S	S	S	S	S	267
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	8 095
Air (includes truck and air)	262	.7	13	.1	19	.2	1 102
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3 886	10.2	262	1.9	260	3.3	664
Parcel, U.S. Postal Service or courier	3 680	9.7	196	1.4	112	1.4	663
Truck and rail	199	.5	63	.5	143	1.8	2 269
Truck and water	8	—	2	—	4	—	4 202
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	614
Other and unknown modes	1 560	4.1	570	4.1	251	3.1	69

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	480	100.0	3 270	100.0	296	100.0	S
Single modes	467	97.5	3 190	97.6	273	92.2	S
Truck ¹	448	93.3	3 123	95.5	237	80.0	S
For-hire truck	S	S	764	23.4	112	37.9	364
Private truck	196	40.9	2 359	72.1	125	42.1	47
Rail	20	4.1	67	2.1	36	12.2	817
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	385
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	152
Truck and rail	S	S	S	S	S	S	2 818
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	10	2.1	S	S	S	S	145
SCTG 26, WOOD PRODUCTS							
Total	8 357	100.0	13 654	100.0	2 685	100.0	296
Single modes	7 732	92.5	12 635	92.5	1 841	68.6	120
Truck ¹	7 689	92.0	12 603	92.3	1 776	66.2	119
For-hire truck	2 717	32.5	4 532	33.2	1 121	41.7	356
Private truck	4 894	58.6	7 819	57.3	643	23.9	60
Rail	35	.4	32	.2	63	2.4	1 868
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	1	—	1	—	2 068
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	47	.3	79	2.9	658
Parcel, U.S. Postal Service or courier	S	S	21	.2	14	.5	658
Truck and rail	32	.4	26	.2	65	2.4	776
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	306	3.7	S	S	S	S	S
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	13 836	100.0	14 607	100.0	5 909	100.0	102
Single modes	13 164	95.1	14 115	96.6	5 558	94.0	116
Truck ¹	12 542	90.6	13 085	89.6	4 731	80.1	113
For-hire truck	8 936	64.6	10 291	70.5	4 434	75.0	266
Private truck	3 605	26.1	2 794	19.1	297	5.0	39
Rail	610	4.4	1 023	7.0	826	14.0	361
Water	S	S	S	S	S	S	11
Shallow draft	S	S	S	S	S	S	8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	15
Air (includes truck and air)	S	S	S	S	S	S	1 057
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	451	3.3	158	1.1	S	S	S
Parcel, U.S. Postal Service or courier	382	2.8	77	.5	9	.2	S
Truck and rail	S	S	S	S	S	S	1 799
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	222	1.6	335	2.3	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	13 670	100.0	9 163	100.0	2 069	100.0	283
Single modes	12 581	92.0	8 977	98.0	1 954	94.5	108
Truck ¹	12 558	91.9	8 971	97.9	1 947	94.1	105
For-hire truck	6 661	48.7	4 797	52.4	1 554	75.1	306
Private truck	5 893	43.1	4 170	45.5	391	18.9	42
Rail	S	S	S	S	S	S	861
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 194
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	887	6.5	99	1.1	86	4.1	574
Parcel, U.S. Postal Service or courier	862	6.3	77	.8	33	1.6	574
Truck and rail	S	S	S	S	S	S	2 687
Truck and water	S	S	S	S	S	S	67
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	202	1.5	87	.9	29	1.4	S
SCTG 29, PRINTED PRODUCTS							
Total	80 779	100.0	14 477	100.0	4 718	100.0	348
Single modes	63 798	79.0	13 337	92.1	4 107	87.1	90
Truck ¹	59 735	73.9	13 215	91.3	4 012	85.0	80
For-hire truck	S	S	6 639	45.9	3 460	73.3	374
Private truck	14 395	17.8	6 471	44.7	529	11.2	36
Rail	62	—	S	S	8	.2	731
Water	S	S	S	S	S	S	74
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	74
Air (includes truck and air)	S	S	89	.6	87	1.8	1 043
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	15 533	19.2	693	4.8	489	10.4	736
Parcel, U.S. Postal Service or courier	15 530	19.2	691	4.8	483	10.2	736
Truck and rail	S	S	S	S	S	S	3 300
Truck and water	S	S	S	S	S	S	5 220
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 448	1.8	448	3.1	121	2.6	177
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	52 746	100.0	3 700	100.0	2 097	100.0	694
Single modes	35 029	66.4	2 928	79.1	1 523	72.6	730
Truck ¹	34 489	65.4	2 893	78.2	1 484	70.8	711
For-hire truck	22 219	42.1	1 700	45.9	1 159	55.3	853
Private truck	11 971	22.7	1 154	31.2	316	15.0	433
Rail	S	S	S	S	S	S	2 208
Water	S	S	S	S	S	S	100
Shallow draft	S	S	S	S	S	S	35
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	231
Air (includes truck and air)	466	.9	11	.3	18	.9	1 556
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	14 901	28.3	525	14.2	453	21.6	696
Parcel, U.S. Postal Service or courier	14 832	28.1	521	14.1	444	21.2	696
Truck and rail	69	.1	4	.1	8	.4	2 415
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 817	5.3	248	6.7	121	5.8	229

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	16 939	100.0	93 522	100.0	8 490	100.0	794
Single modes	15 325	90.5	91 679	98.0	7 537	88.8	185
Truck ¹	15 147	89.4	91 181	97.5	7 019	82.7	180
For-hire truck	9 590	56.6	52 448	56.1	5 137	60.5	421
Private truck	4 912	29.0	38 304	41.0	1 640	19.3	40
Rail	57	.3	393	.4	366	4.3	1 300
Water	S	S	S	S	S	S	115
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	115
Air (includes truck and air)	98	.6	S	S	S	S	1 488
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	908	5.4	67	—	69	.8	1 498
Parcel, U.S. Postal Service or courier	895	5.3	41	—	48	.6	1 498
Truck and rail	S	S	S	S	S	S	976
Truck and water	S	S	S	S	S	S	6 865
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	706	4.2	1 776	1.9	884	10.4	223
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	43 156	100.0	30 868	100.0	12 197	100.0	303
Single modes	40 842	94.6	27 104	87.8	11 398	93.4	221
Truck ¹	38 723	89.7	23 326	75.6	8 972	73.6	200
For-hire truck	29 955	69.4	16 728	54.2	7 641	62.6	491
Private truck	8 648	20.0	6 211	20.1	1 199	9.8	55
Rail	1 910	4.4	3 704	12.0	2 368	19.4	707
Water	S	S	S	S	S	S	3 586
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	3 586
Air (includes truck and air)	206	.5	74	.2	58	.5	1 441
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	1 387	3.2	295	1.0	S	S	594
Parcel, U.S. Postal Service or courier	1 158	2.7	69	.2	35	.3	589
Truck and rail	89	.2	22	—	49	.4	2 055
Truck and water	S	S	S	S	S	S	1 770
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	376	3.1	102
SCTG 33, ARTICLES OF BASE METAL							
Total	27 116	100.0	12 871	100.0	4 788	100.0	425
Single modes	21 522	79.4	11 013	85.6	4 102	85.7	210
Truck ¹	20 746	76.5	10 322	80.2	3 516	73.4	198
For-hire truck	11 966	44.1	6 862	53.3	2 824	59.0	638
Private truck	8 659	31.9	3 430	26.6	686	14.3	81
Rail	S	S	S	S	S	S	1 414
Water	S	S	S	S	S	S	14
Shallow draft	S	S	S	S	S	S	14
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	221	.8	30	.2	40	.8	1 357
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	4 547	16.8	240	1.9	301	6.3	723
Parcel, U.S. Postal Service or courier	4 407	16.3	157	1.2	118	2.5	722
Truck and rail	S	S	S	S	S	S	3 137
Truck and water	S	S	S	S	S	S	3 453
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	7
Other and unknown modes	1 047	3.9	S	S	385	8.0	51

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	44 745	100.0	4 485	100.0	1 835	100.0	292
Single modes	36 341	81.2	4 136	92.2	1 639	89.3	168
Truck ¹	34 479	77.1	4 037	90.0	1 544	84.1	125
For-hire truck	24 327	54.4	2 703	60.3	1 323	72.1	519
Private truck	9 751	21.8	1 296	28.9	209	11.4	40
Rail	S	S	S	S	S	S	1 163
Water	S	S	S	S	S	S	69
Shallow draft	S	S	S	S	S	S	56
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	318
Air (includes truck and air)	1 442	3.2	33	.7	S	S	1 349
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	6 741	15.1	209	4.7	156	8.5	453
Parcel, U.S. Postal Service or courier	6 232	13.9	132	2.9	73	4.0	452
Truck and rail	477	1.1	74	1.7	62	3.4	718
Truck and water	S	S	S	S	S	S	5 465
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	86
Other and unknown modes	1 664	3.7	140	3.1	40	2.2	205
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	89 150	100.0	3 943	100.0	2 574	100.0	647
Single modes	56 137	63.0	3 380	85.7	2 148	83.4	236
Truck ¹	43 320	48.6	3 275	83.1	2 003	77.8	154
For-hire truck	33 088	37.1	2 712	68.8	1 897	73.7	647
Private truck	10 174	11.4	562	14.2	105	4.1	33
Rail	S	S	S	S	S	S	S
Water	S	S	S	S	S	S	610
Shallow draft	S	S	S	S	S	S	610
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	12 610	14.1	89	2.3	129	5.0	1 264
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	28 735	32.2	388	9.8	350	13.6	936
Parcel, U.S. Postal Service or courier	28 515	32.0	341	8.6	244	9.5	936
Truck and rail	218	.2	47	1.2	S	S	1 653
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 275
Other and unknown modes	4 279	4.8	175	4.4	77	3.0	S
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	40 750	100.0	5 981	100.0	2 309	100.0	207
Single modes	34 370	84.3	5 157	86.2	1 988	86.1	121
Truck ¹	29 287	71.9	4 422	73.9	1 520	65.9	52
For-hire truck	17 495	42.9	2 616	43.7	1 048	45.4	331
Private truck	9 529	23.4	1 435	24.0	281	12.2	27
Rail	4 374	10.7	705	11.8	428	18.5	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 413
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 461	6.0	157	2.6	124	5.4	590
Parcel, U.S. Postal Service or courier	2 353	5.8	110	1.8	61	2.6	590
Truck and rail	108	.3	S	S	S	S	1 444
Truck and water	S	S	S	S	S	S	7 756
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	3 918	9.6	667	11.1	197	8.5	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	6 450	100.0	944	100.0	926	100.0	924
Single modes	3 709	57.5	907	96.1	873	94.3	820
Truck ¹	2 407	37.3	601	63.7	S	S	586
For-hire truck	2 046	31.7	498	52.7	S	S	862
Private truck	361	5.6	104	11.0	S	S	241
Rail	611	9.5	302	32.0	333	36.0	1 147
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	6
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	697
Air (includes truck and air)	659	10.2	2	.2	4	.4	1 488
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 147	33.3	S	S	S	S	982
Parcel, U.S. Postal Service or courier	2 083	32.3	11	1.2	12	1.3	977
Truck and rail	S	S	S	S	S	S	2 302
Truck and water	S	S	S	S	S	S	1 090
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	631
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	23 343	100.0	345	100.0	274	100.0	757
Single modes	8 428	36.1	200	57.9	151	55.3	769
Truck ¹	7 130	30.5	188	54.5	136	49.7	347
For-hire truck	5 051	21.6	142	41.0	130	47.4	706
Private truck	2 079	8.9	47	13.5	6	2.2	85
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	9 788
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	9 788
Air (includes truck and air)	1 296	5.6	12	3.3	14	5.2	1 412
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	14 259	61.1	123	35.6	112	40.9	770
Parcel, U.S. Postal Service or courier	14 255	61.1	123	35.5	112	40.8	770
Truck and rail	S	S	S	S	S	S	2 264
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	656	2.8	S	S	S	S	276
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	9 168	100.0	1 500	100.0	637	100.0	394
Single modes	8 336	90.9	1 408	93.9	558	87.6	346
Truck ¹	8 326	90.8	1 407	93.8	557	87.4	341
For-hire truck	3 864	42.1	609	40.6	430	67.5	778
Private truck	4 175	45.5	770	51.4	111	17.4	116
Rail	S	S	S	S	S	S	1 841
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	10	.1	1	—	1	.2	1 870
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	545	5.9	45	3.0	34	5.4	463
Parcel, U.S. Postal Service or courier	540	5.9	43	2.9	30	4.7	463
Truck and rail	S	S	S	S	S	S	3 126
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	287	3.1	47	3.2	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	64 137	100.0	S	S	3 929	100.0	799
Single modes	32 850	51.2	S	S	3 283	83.6	394
Truck ¹	31 424	49.0	S	S	3 125	79.5	352
For-hire truck	18 513	28.9	4 307	13.3	2 543	64.7	674
Private truck	12 836	20.0	S	S	575	14.6	171
Rail	S	S	S	S	141	3.6	S
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 283	2.0	18	—	17	.4	1 369
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	26 802	41.8	664	2.1	551	14.0	853
Parcel, U.S. Postal Service or courier	26 760	41.7	651	2.0	525	13.4	853
Truck and rail	S	S	S	S	S	S	1 733
Truck and water	S	S	S	S	S	S	8 038
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 718
Other and unknown modes	4 485	7.0	247	.8	94	2.4	249
SCTG 41, WASTE AND SCRAP							
Total	4 277	100.0	20 029	100.0	4 863	100.0	127
Single modes	4 047	94.6	18 461	92.2	2 836	58.3	125
Truck ¹	3 483	81.4	14 049	70.1	1 812	37.3	115
For-hire truck	2 281	53.3	10 093	50.4	1 271	26.1	144
Private truck	1 198	28.0	3 917	19.6	537	11.0	64
Rail	521	12.2	3 754	18.7	1 019	21.0	287
Water	S	S	S	S	S	S	8
Shallow draft	S	S	S	S	S	S	8
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	642
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	392
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	249
Truck and rail	S	S	S	S	S	S	98
Truck and water	S	S	S	S	S	S	1 629
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	90	2.1	S	S	S	S	S
SCTG 43, MIXED FREIGHT							
Total	25 357	100.0	12 017	100.0	1 641	100.0	175
Single modes	23 468	92.6	11 530	95.9	1 400	85.3	67
Truck ¹	23 426	92.4	11 520	95.9	1 374	83.7	66
For-hire truck	3 110	12.3	1 470	12.2	596	36.3	376
Private truck	20 165	79.5	10 003	83.2	766	46.7	45
Rail	S	S	S	S	S	S	2 737
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 285
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 289	5.1	167	1.4	75	4.5	334
Parcel, U.S. Postal Service or courier	1 174	4.6	159	1.3	50	3.1	333
Truck and rail	S	S	S	S	S	S	3 244
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	600	2.4	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	4 054	100.0	1 737	100.0	686	100.0	563
Single modes	3 178	78.4	1 613	92.8	450	65.5	258
Truck ¹	3 019	74.5	1 376	79.2	372	54.2	184
For-hire truck	1 539	38.0	441	25.4	313	45.6	631
Private truck	S	S	935	53.8	59	8.6	S
Rail	S	S	S	S	S	S	900
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	93	2.3	1	—	S	S	1 209
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	623	15.4	19	1.1	21	3.1	788
Parcel, U.S. Postal Service or courier	619	15.3	16	.9	16	2.3	788
Truck and rail	S	S	S	S	S	S	1 755
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	254	6.3	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	873 472	1 053 082	150 564
Less than 50 miles	285 696	737 000	14 531
50 to 99 miles	93 052	99 803	9 503
100 to 249 miles	146 636	107 605	25 969
250 to 499 miles	103 329	48 914	23 135
500 to 749 miles	78 862	24 375	19 578
750 to 999 miles	45 914	11 179	12 237
1,000 to 1,499 miles	52 433	14 718	20 942
1,500 to 1,999 miles	15 857	2 138	4 225
2,000 miles or more	51 694	7 350	20 444
SCTG 01, Live animals and live fish	129	137	70
Less than 50 miles	S	S	—
50 to 99 miles	3	3	—
100 to 249 miles	19	15	4
250 to 499 miles	14	12	7
500 to 749 miles	62	66	53
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	714	2 258	265
Less than 50 miles	332	1 782	40
50 to 99 miles	26	184	17
100 to 249 miles	35	125	30
250 to 499 miles	S	63	33
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	7 672	10 251	1 156
Less than 50 miles	4 883	6 319	184
50 to 99 miles	S	S	S
100 to 249 miles	676	1 041	199
250 to 499 miles	371	583	246
500 to 749 miles	120	100	74
750 to 999 miles	110	126	122
1,000 to 1,499 miles	71	41	56
1,500 to 1,999 miles	7	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	3 902	10 167	1 190
Less than 50 miles	1 848	6 898	178
50 to 99 miles	398	1 252	119
100 to 249 miles	614	1 224	241
250 to 499 miles	566	504	213
500 to 749 miles	93	96	74
750 to 999 miles	45	56	60
1,000 to 1,499 miles	62	62	85
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	72	213
SCTG 05, Meat, fish, seafood, and their preparations	14 885	5 455	1 680
Less than 50 miles	6 680	2 306	54
50 to 99 miles	2 111	851	79
100 to 249 miles	2 450	1 047	196
250 to 499 miles	1 384	437	189
500 to 749 miles	583	208	165
750 to 999 miles	S	137	143
1,000 to 1,499 miles	662	277	400
1,500 to 1,999 miles	190	89	165
2,000 miles or more	330	105	289
SCTG 06, Milled grain products and preparations, and bakery products	15 249	11 234	3 796
Less than 50 miles	5 901	4 132	89
50 to 99 miles	2 652	2 022	190
100 to 249 miles	2 339	1 973	395
250 to 499 miles	1 645	1 382	587
500 to 749 miles	1 066	639	493
750 to 999 miles	463	277	286
1,000 to 1,499 miles	526	349	504
1,500 to 1,999 miles	S	52	102
2,000 miles or more	534	409	1 150
SCTG 07, Other prepared foodstuffs and fats and oils	56 319	52 108	10 935
Less than 50 miles	23 866	26 750	666
50 to 99 miles	7 780	7 995	737
100 to 249 miles	11 043	8 729	1 744
250 to 499 miles	4 567	3 353	1 398
500 to 749 miles	3 345	2 105	1 611
750 to 999 miles	2 145	1 354	1 372
1,000 to 1,499 miles	1 941	1 083	1 451
1,500 to 1,999 miles	351	138	278
2,000 miles or more	1 281	601	1 679

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	10 986	11 273	3 362
Less than 50 miles	6 237	5 228	99
50 to 99 miles	725	867	76
100 to 249 miles	1 177	1 680	389
250 to 499 miles	990	1 369	593
500 to 749 miles	942	1 098	840
750 to 999 miles	501	577	575
1,000 to 1,499 miles	283	354	510
1,500 to 1,999 miles	S	10	20
2,000 miles or more	113	89	260
SCTG 09, Tobacco products	5 324	255	30
Less than 50 miles	4 073	174	5
50 to 99 miles	518	43	4
100 to 249 miles	356	17	3
250 to 499 miles	117	S	S
500 to 749 miles	67	4	S
750 to 999 miles	57	2	2
1,000 to 1,499 miles	73	3	4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	627	3 718	S
Less than 50 miles	S	2 930	81
50 to 99 miles	S	368	34
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	4	20	14
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	828	46 837	2 092
Less than 50 miles	497	40 792	1 014
50 to 99 miles	125	S	S
100 to 249 miles	S	1 794	360
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	1 556	221 158	6 283
Less than 50 miles	1 402	203 543	4 020
50 to 99 miles	103	13 004	1 124
100 to 249 miles	38	3 617	636
250 to 499 miles	11	S	313
500 to 749 miles	S	S	S
750 to 999 miles	—	—	—
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	957	38 842	2 556
Less than 50 miles	412	28 898	719
50 to 99 miles	86	5 957	535
100 to 249 miles	181	3 083	642
250 to 499 miles	S	S	S
500 to 749 miles	51	210	157
750 to 999 miles	22	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	23	64
SCTG 14, Metallic ores and concentrates	899	2 100	S
Less than 50 miles	186	948	22
50 to 99 miles	72	S	S
100 to 249 miles	206	282	80
250 to 499 miles	290	371	171
500 to 749 miles	28	29	21
750 to 999 miles	38	32	32
1,000 to 1,499 miles	17	14	19
1,500 to 1,999 miles	2	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	3 235	110 980	21 256
Less than 50 miles	1 861	59 534	1 101
50 to 99 miles	302	11 943	1 377
100 to 249 miles	741	27 584	9 441
250 to 499 miles	224	8 307	5 219
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	17 222	67 847	S
Less than 50 miles	14 578	56 563	974
50 to 99 miles	1 073	4 089	347
100 to 249 miles	807	3 807	774
250 to 499 miles	9	38	14
500 to 749 miles	—	—	—
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	10 730	55 311	2 407
Less than 50 miles	8 745	43 537	603
50 to 99 miles	1 219	7 429	763
100 to 249 miles	740	S	878
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	8 328	82 314	3 655
Less than 50 miles	5 566	72 028	1 147
50 to 99 miles	830	3 241	320
100 to 249 miles	923	5 107	991
250 to 499 miles	615	1 485	646
500 to 749 miles	106	172	145
750 to 999 miles	63	58	S
1,000 to 1,499 miles	177	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	39	17	45
SCTG 20, Basic chemicals	16 519	15 722	5 685
Less than 50 miles	4 961	6 829	174
50 to 99 miles	1 146	1 651	156
100 to 249 miles	3 386	2 114	434
250 to 499 miles	2 248	1 891	894
500 to 749 miles	1 898	1 128	910
750 to 999 miles	710	248	253
1,000 to 1,499 miles	1 259	S	2 173
1,500 to 1,999 miles	183	S	S
2,000 miles or more	728	159	443
SCTG 21, Pharmaceutical products	51 639	1 625	700
Less than 50 miles	13 128	S	14
50 to 99 miles	5 427	127	11
100 to 249 miles	9 229	163	35
250 to 499 miles	4 818	199	88
500 to 749 miles	4 593	129	99
750 to 999 miles	5 500	115	121
1,000 to 1,499 miles	3 350	79	107
1,500 to 1,999 miles	1 866	8	15
2,000 miles or more	3 728	76	208
SCTG 22, Fertilizers	753	2 493	391
Less than 50 miles	229	832	26
50 to 99 miles	192	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	32	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	38 397	7 765	3 967
Less than 50 miles	10 261	2 269	69
50 to 99 miles	1 935	651	58
100 to 249 miles	5 389	1 329	279
250 to 499 miles	5 187	1 297	584
500 to 749 miles	5 388	797	608
750 to 999 miles	3 097	409	413
1,000 to 1,499 miles	2 422	510	718
1,500 to 1,999 miles	S	64	125
2,000 miles or more	3 535	438	1 114
SCTG 24, Plastics and rubber	38 090	13 835	7 989
Less than 50 miles	11 137	4 432	113
50 to 99 miles	3 766	1 301	122
100 to 249 miles	5 728	2 055	463
250 to 499 miles	5 154	1 767	773
500 to 749 miles	4 499	1 528	1 136
750 to 999 miles	1 948	637	645
1,000 to 1,499 miles	2 745	1 026	1 621
1,500 to 1,999 miles	579	162	316
2,000 miles or more	2 533	928	2 802

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	480	3 270	296
Less than 50 miles	131	2 223	68
50 to 99 miles	72	S	44
100 to 249 miles	S	338	68
250 to 499 miles	54	181	81
500 to 749 miles	S	16	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	8 357	13 654	2 685
Less than 50 miles	3 778	7 137	231
50 to 99 miles	1 296	2 264	217
100 to 249 miles	1 605	2 375	478
250 to 499 miles	655	732	332
500 to 749 miles	389	S	S
750 to 999 miles	139	142	140
1,000 to 1,499 miles	267	398	500
1,500 to 1,999 miles	S	S	S
2,000 miles or more	156	130	357
SCTG 27, Pulp, newsprint, paper, and paperboard	13 836	14 607	5 909
Less than 50 miles	4 105	4 815	110
50 to 99 miles	1 432	1 297	123
100 to 249 miles	2 771	2 749	588
250 to 499 miles	2 214	2 353	1 033
500 to 749 miles	1 317	1 537	1 182
750 to 999 miles	788	843	910
1,000 to 1,499 miles	642	565	777
1,500 to 1,999 miles	182	90	173
2,000 miles or more	384	357	1 013
SCTG 28, Paper or paperboard articles	13 670	9 163	2 069
Less than 50 miles	5 791	4 387	109
50 to 99 miles	1 688	1 418	131
100 to 249 miles	2 326	1 499	305
250 to 499 miles	1 663	691	294
500 to 749 miles	1 133	708	530
750 to 999 miles	470	216	217
1,000 to 1,499 miles	290	116	162
1,500 to 1,999 miles	95	S	S
2,000 miles or more	212	88	244
SCTG 29, Printed products	80 779	14 477	4 718
Less than 50 miles	21 507	7 774	156
50 to 99 miles	9 138	1 357	133
100 to 249 miles	S	2 188	497
250 to 499 miles	7 103	912	406
500 to 749 miles	5 186	824	642
750 to 999 miles	3 982	339	343
1,000 to 1,499 miles	2 417	256	346
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	734	2 026
SCTG 30, Textiles, leather, and articles of textiles or leather	52 746	3 700	2 097
Less than 50 miles	13 167	1 205	25
50 to 99 miles	3 574	265	24
100 to 249 miles	7 209	506	108
250 to 499 miles	6 337	486	225
500 to 749 miles	6 287	395	295
750 to 999 miles	4 263	203	201
1,000 to 1,499 miles	6 089	375	527
1,500 to 1,999 miles	1 158	52	102
2,000 miles or more	4 663	213	589
SCTG 31, Nonmetallic mineral products	16 939	93 522	8 490
Less than 50 miles	6 219	70 095	1 410
50 to 99 miles	1 882	9 998	926
100 to 249 miles	2 931	8 078	1 570
250 to 499 miles	2 317	2 906	1 243
500 to 749 miles	1 466	1 055	780
750 to 999 miles	559	316	326
1,000 to 1,499 miles	620	368	531
1,500 to 1,999 miles	281	264	533
2,000 miles or more	663	442	1 171
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	43 156	30 868	12 197
Less than 50 miles	8 145	8 754	179
50 to 99 miles	3 853	3 193	291
100 to 249 miles	8 086	6 134	1 437
250 to 499 miles	10 961	6 409	2 995
500 to 749 miles	5 871	3 265	2 519
750 to 999 miles	2 264	1 282	1 294
1,000 to 1,499 miles	1 902	1 182	1 820
1,500 to 1,999 miles	311	122	243
2,000 miles or more	1 762	526	1 419

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	27 116	12 871	4 788
Less than 50 miles	8 091	3 270	90
50 to 99 miles	3 534	2 057	191
100 to 249 miles	4 835	3 320	767
250 to 499 miles	4 052	2 165	939
500 to 749 miles	1 919	727	546
750 to 999 miles	1 320	381	410
1,000 to 1,499 miles	1 412	491	704
1,500 to 1,999 miles	472	S	S
2,000 miles or more	1 481	339	914
SCTG 34, Machinery	44 745	4 485	1 835
Less than 50 miles	12 290	1 644	40
50 to 99 miles	4 077	394	35
100 to 249 miles	7 272	729	153
250 to 499 miles	7 167	709	275
500 to 749 miles	4 033	371	276
750 to 999 miles	2 710	162	167
1,000 to 1,499 miles	3 667	269	381
1,500 to 1,999 miles	1 133	84	158
2,000 miles or more	2 395	124	350
SCTG 35, Electronic and other electrical equipment and components and office equipment	89 150	3 943	2 574
Less than 50 miles	19 484	862	22
50 to 99 miles	9 526	279	26
100 to 249 miles	14 147	590	126
250 to 499 miles	9 621	658	280
500 to 749 miles	11 673	684	531
750 to 999 miles	5 152	223	232
1,000 to 1,499 miles	8 700	262	366
1,500 to 1,999 miles	1 920	92	186
2,000 miles or more	8 926	292	805
SCTG 36, Motorized and other vehicles (including parts)	40 750	5 981	2 309
Less than 50 miles	13 048	1 816	43
50 to 99 miles	7 075	853	74
100 to 249 miles	5 307	784	170
250 to 499 miles	7 138	1 266	586
500 to 749 miles	3 700	606	444
750 to 999 miles	1 448	234	253
1,000 to 1,499 miles	1 537	281	396
1,500 to 1,999 miles	384	58	114
2,000 miles or more	1 113	82	228
SCTG 37, Transportation equipment, n.e.c.	6 450	944	926
Less than 50 miles	785	114	2
50 to 99 miles	212	25	2
100 to 249 miles	1 055	126	29
250 to 499 miles	929	S	S
500 to 749 miles	560	S	S
750 to 999 miles	575	39	41
1,000 to 1,499 miles	1 318	172	271
1,500 to 1,999 miles	S	S	S
2,000 miles or more	879	S	S
SCTG 38, Precision instruments and apparatus	23 343	345	274
Less than 50 miles	5 651	73	2
50 to 99 miles	1 214	28	3
100 to 249 miles	2 630	44	10
250 to 499 miles	3 675	62	28
500 to 749 miles	3 019	37	27
750 to 999 miles	1 384	18	19
1,000 to 1,499 miles	2 209	25	36
1,500 to 1,999 miles	873	12	23
2,000 miles or more	2 688	46	126
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	9 168	1 500	637
Less than 50 miles	3 152	516	12
50 to 99 miles	962	187	17
100 to 249 miles	1 905	317	60
250 to 499 miles	1 088	152	68
500 to 749 miles	473	84	65
750 to 999 miles	515	92	95
1,000 to 1,499 miles	448	60	83
1,500 to 1,999 miles	161	22	40
2,000 miles or more	463	71	197
SCTG 40, Miscellaneous manufactured products	64 137	S	3 929
Less than 50 miles	16 763	S	99
50 to 99 miles	5 960	1 439	128
100 to 249 miles	9 613	1 533	314
250 to 499 miles	7 702	923	419
500 to 749 miles	7 224	820	615
750 to 999 miles	3 763	421	424
1,000 to 1,499 miles	5 810	489	682
1,500 to 1,999 miles	2 111	119	235
2,000 miles or more	5 191	368	1 012

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	4 277	20 029	4 863
Less than 50 miles	1 796	10 661	306
50 to 99 miles	470	2 177	203
100 to 249 miles	811	2 769	578
250 to 499 miles	682	2 219	972
500 to 749 miles	293	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	25 357	12 017	1 641
Less than 50 miles	12 942	6 962	198
50 to 99 miles	4 970	2 486	224
100 to 249 miles	3 793	1 575	288
250 to 499 miles	990	444	184
500 to 749 miles	692	221	168
750 to 999 miles	S	72	75
1,000 to 1,499 miles	368	138	193
1,500 to 1,999 miles	34	S	S
2,000 miles or more	S	105	282
Commodity unknown	4 054	1 737	686
Less than 50 miles	1 587	1 029	S
50 to 99 miles	139	104	9
100 to 249 miles	679	145	32
250 to 499 miles	412	125	54
500 to 749 miles	390	98	74
750 to 999 miles	272	76	78
1,000 to 1,499 miles	201	27	37
1,500 to 1,999 miles	S	S	S
2,000 miles or more	266	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	873 472	1 053 082	150 564
Less than 50 lb	144 502	3 669	1 509
50 to 99 lb	36 859	2 173	663
100 to 499 lb	115 905	11 557	2 844
500 to 749 lb	30 058	5 151	1 115
750 to 999 lb	28 458	4 540	1 168
1,000 to 9,999 lb	211 161	69 638	14 495
10,000 to 49,999 lb	248 556	485 769	70 484
50,000 to 99,999 lb	26 122	175 374	11 633
100,000 lb or more	31 850	295 212	46 652
SCTG 01, Live animals and live fish	129	137	70
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	—
500 to 749 lb	S	S	—
750 to 999 lb	3	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	42	43	27
50,000 to 99,999 lb	26	29	21
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	714	2 258	265
Less than 50 lb	S	S	S
50 to 99 lb	S	S	—
100 to 499 lb	S	S	—
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	27	S	S
10,000 to 49,999 lb	517	919	S
50,000 to 99,999 lb	124	1 023	38
100,000 lb or more	27	S	S
SCTG 03, Other agricultural products	7 672	10 251	1 156
Less than 50 lb	145	22	S
50 to 99 lb	99	37	S
100 to 499 lb	771	389	17
500 to 749 lb	371	247	13
750 to 999 lb	252	163	9
1,000 to 9,999 lb	2 438	S	210
10,000 to 49,999 lb	3 139	4 449	631
50,000 to 99,999 lb	443	2 044	S
100,000 lb or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	3 902	10 167	1 190
Less than 50 lb	65	7	3
50 to 99 lb	S	7	S
100 to 499 lb	130	77	5
500 to 749 lb	64	58	S
750 to 999 lb	31	45	S
1,000 to 9,999 lb	1 113	2 155	114
10,000 to 49,999 lb	2 133	6 538	894
50,000 to 99,999 lb	S	S	63
100,000 lb or more	159	506	S
SCTG 05, Meat, fish, seafood, and their preparations	14 885	5 455	1 680
Less than 50 lb	280	30	1
50 to 99 lb	326	54	1
100 to 499 lb	1 583	407	18
500 to 749 lb	670	204	19
750 to 999 lb	479	157	11
1,000 to 9,999 lb	5 093	1 876	325
10,000 to 49,999 lb	5 874	2 511	1 276
50,000 to 99,999 lb	142	S	13
100,000 lb or more	438	140	S
SCTG 06, Milled grain products and preparations, and bakery products	15 249	11 234	3 796
Less than 50 lb	613	182	6
50 to 99 lb	327	118	5
100 to 499 lb	851	388	29
500 to 749 lb	358	173	11
750 to 999 lb	295	174	11
1,000 to 9,999 lb	3 170	2 054	269
10,000 to 49,999 lb	8 565	6 577	2 914
50,000 to 99,999 lb	640	1 094	143
100,000 lb or more	430	475	S
SCTG 07, Other prepared foodstuffs and fats and oils	56 319	52 108	10 935
Less than 50 lb	926	109	5
50 to 99 lb	665	171	7
100 to 499 lb	3 101	1 591	78
500 to 749 lb	1 368	696	58
750 to 999 lb	1 020	554	67
1,000 to 9,999 lb	13 728	10 022	1 150
10,000 to 49,999 lb	34 341	35 847	9 138
50,000 to 99,999 lb	881	1 726	254
100,000 lb or more	289	S	177

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	10 986	11 273	3 362
Less than 50 lb	414	S	S
50 to 99 lb	215	40	2
100 to 499 lb	985	594	12
500 to 749 lb	519	397	8
750 to 999 lb	313	277	5
1,000 to 9,999 lb	2 342	2 160	71
10,000 to 49,999 lb	5 850	7 353	2 986
50,000 to 99,999 lb	228	283	93
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	5 324	255	30
Less than 50 lb	905	16	1
50 to 99 lb	665	17	1
100 to 499 lb	1 708	57	6
500 to 749 lb	326	15	3
750 to 999 lb	186	10	2
1,000 to 9,999 lb	1 396	113	11
10,000 to 49,999 lb	137	26	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	627	3 718	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	268	2 511	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 11, Natural sands	828	46 837	2 092
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	2	5	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	43	304	S
10,000 to 49,999 lb	555	17 287	715
50,000 to 99,999 lb	105	S	655
100,000 lb or more	113	14 120	685
SCTG 12, Gravel and crushed stone	1 556	221 158	6 283
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	—	4	S
500 to 749 lb	S	3	S
750 to 999 lb	—	4	S
1,000 to 9,999 lb	18	1 270	22
10,000 to 49,999 lb	864	131 164	4 154
50,000 to 99,999 lb	316	40 425	1 350
100,000 lb or more	357	48 287	756
SCTG 13, Nonmetallic minerals n.e.c.	957	38 842	2 556
Less than 50 lb	3	—	—
50 to 99 lb	S	S	S
100 to 499 lb	16	11	1
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	134	419	40
10,000 to 49,999 lb	516	14 682	1 127
50,000 to 99,999 lb	121	9 813	756
100,000 lb or more	77	13 877	631
SCTG 14, Metallic ores and concentrates	899	2 100	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	33	S
10,000 to 49,999 lb	493	741	S
50,000 to 99,999 lb	116	1 065	S
100,000 lb or more	81	254	112
SCTG 15, Coal	3 235	110 980	21 256
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	42	317	6
10,000 to 49,999 lb	1 060	23 045	1 297
50,000 to 99,999 lb	178	6 588	382
100,000 lb or more	1 954	81 028	19 571

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	17 222	67 847	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	—
500 to 749 lb	S	S	S
750 to 999 lb	6	15	—
1,000 to 9,999 lb	608	1 364	48
10,000 to 49,999 lb	2 759	9 994	430
50,000 to 99,999 lb	8 246	29 356	1 182
100,000 lb or more	5 568	27 037	S
SCTG 18, Fuel oils	10 730	55 311	2 407
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	81	246	4
750 to 999 lb	134	427	7
1,000 to 9,999 lb	1 391	4 573	99
10,000 to 49,999 lb	2 596	13 693	S
50,000 to 99,999 lb	3 083	17 416	706
100,000 lb or more	3 368	18 821	1 006
SCTG 19, Coal and petroleum products, n.e.c.	8 328	82 314	3 655
Less than 50 lb	29	8	—
50 to 99 lb	S	12	S
100 to 499 lb	193	138	9
500 to 749 lb	88	75	5
750 to 999 lb	77	94	5
1,000 to 9,999 lb	645	1 390	66
10,000 to 49,999 lb	3 631	48 836	1 575
50,000 to 99,999 lb	787	12 266	412
100,000 lb or more	2 808	19 494	1 578
SCTG 20, Basic chemicals	16 519	15 722	5 685
Less than 50 lb	1 122	23	11
50 to 99 lb	457	29	7
100 to 499 lb	1 340	248	46
500 to 749 lb	327	157	21
750 to 999 lb	257	84	19
1,000 to 9,999 lb	5 324	2 246	409
10,000 to 49,999 lb	5 930	7 759	2 066
50,000 to 99,999 lb	203	S	66
100,000 lb or more	1 559	4 839	3 040
SCTG 21, Pharmaceutical products	51 639	1 625	700
Less than 50 lb	18 612	129	83
50 to 99 lb	4 594	47	32
100 to 499 lb	8 969	143	69
500 to 749 lb	1 750	44	23
750 to 999 lb	S	35	19
1,000 to 9,999 lb	6 960	294	134
10,000 to 49,999 lb	6 894	867	289
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	753	2 493	391
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	7	7	S
500 to 749 lb	20	16	2
750 to 999 lb	6	S	S
1,000 to 9,999 lb	275	553	43
10,000 to 49,999 lb	418	S	S
50,000 to 99,999 lb	S	108	S
100,000 lb or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	38 397	7 765	3 967
Less than 50 lb	3 805	94	44
50 to 99 lb	1 495	67	29
100 to 499 lb	6 654	382	130
500 to 749 lb	2 141	164	58
750 to 999 lb	1 660	158	70
1,000 to 9,999 lb	14 321	1 689	878
10,000 to 49,999 lb	7 259	4 091	1 876
50,000 to 99,999 lb	189	147	96
100,000 lb or more	872	973	787
SCTG 24, Plastics and rubber	38 090	13 835	7 989
Less than 50 lb	3 112	113	46
50 to 99 lb	1 159	95	34
100 to 499 lb	4 864	678	203
500 to 749 lb	1 489	288	100
750 to 999 lb	909	205	71
1,000 to 9,999 lb	13 373	4 129	1 598
10,000 to 49,999 lb	11 424	6 191	3 816
50,000 to 99,999 lb	266	182	141
100,000 lb or more	1 494	1 954	1 979

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	480	3 270	296
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	1	S
500 to 749 lb	1	S	—
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	84	S
10,000 to 49,999 lb	254	1 367	140
50,000 to 99,999 lb	42	1 395	69
100,000 lb or more	31	422	78
SCTG 26, Wood products	8 357	13 654	2 685
Less than 50 lb	378	24	S
50 to 99 lb	164	24	6
100 to 499 lb	1 001	147	28
500 to 749 lb	309	75	8
750 to 999 lb	214	56	11
1,000 to 9,999 lb	2 232	1 342	140
10,000 to 49,999 lb	3 285	7 717	1 307
50,000 to 99,999 lb	520	2 906	334
100,000 lb or more	254	1 365	S
SCTG 27, Pulp, newsprint, paper, and paperboard	13 836	14 607	5 909
Less than 50 lb	240	39	3
50 to 99 lb	144	31	2
100 to 499 lb	623	241	16
500 to 749 lb	246	117	10
750 to 999 lb	232	122	11
1,000 to 9,999 lb	2 604	1 585	316
10,000 to 49,999 lb	8 909	10 580	4 487
50,000 to 99,999 lb	205	S	132
100,000 lb or more	632	1 146	932
SCTG 28, Paper or paperboard articles	13 670	9 163	2 069
Less than 50 lb	768	57	20
50 to 99 lb	280	43	7
100 to 499 lb	1 277	340	39
500 to 749 lb	496	186	21
750 to 999 lb	368	152	17
1,000 to 9,999 lb	3 901	2 269	356
10,000 to 49,999 lb	6 373	5 390	1 409
50,000 to 99,999 lb	29	216	34
100,000 lb or more	S	510	S
SCTG 29, Printed products	80 779	14 477	4 718
Less than 50 lb	11 810	1 080	258
50 to 99 lb	3 473	437	106
100 to 499 lb	17 798	1 473	S
500 to 749 lb	3 057	362	S
750 to 999 lb	S	502	S
1,000 to 9,999 lb	S	3 945	1 419
10,000 to 49,999 lb	7 539	4 237	1 530
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	96
SCTG 30, Textiles, leather, and articles of textiles or leather	52 746	3 700	2 097
Less than 50 lb	11 749	305	262
50 to 99 lb	3 322	149	114
100 to 499 lb	9 804	538	320
500 to 749 lb	2 781	196	80
750 to 999 lb	2 242	121	59
1,000 to 9,999 lb	16 446	1 275	781
10,000 to 49,999 lb	6 090	1 033	436
50,000 to 99,999 lb	133	S	S
100,000 lb or more	180	36	S
SCTG 31, Nonmetallic mineral products	16 939	93 522	8 490
Less than 50 lb	896	40	S
50 to 99 lb	312	41	13
100 to 499 lb	1 307	256	66
500 to 749 lb	294	103	19
750 to 999 lb	323	113	29
1,000 to 9,999 lb	3 605	3 402	647
10,000 to 49,999 lb	8 456	47 439	5 000
50,000 to 99,999 lb	1 186	22 137	1 729
100,000 lb or more	561	S	947
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	43 156	30 868	12 197
Less than 50 lb	1 021	44	15
50 to 99 lb	562	52	12
100 to 499 lb	2 571	363	80
500 to 749 lb	676	137	30
750 to 999 lb	604	137	36
1,000 to 9,999 lb	7 722	2 715	828
10,000 to 49,999 lb	24 967	20 176	7 701
50,000 to 99,999 lb	1 846	2 471	900
100,000 lb or more	3 187	4 774	2 595

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	27 116	12 871	4 788
Less than 50 lb	4 470	132	72
50 to 99 lb	1 378	90	31
100 to 499 lb	3 724	445	136
500 to 749 lb	881	152	54
750 to 999 lb	867	150	44
1,000 to 9,999 lb	6 787	2 521	1 034
10,000 to 49,999 lb	7 787	7 254	2 303
50,000 to 99,999 lb	390	605	322
100,000 lb or more	832	1 520	792
SCTG 34, Machinery	44 745	4 485	1 835
Less than 50 lb	6 129	123	36
50 to 99 lb	2 198	78	23
100 to 499 lb	6 115	329	112
500 to 749 lb	2 600	159	75
750 to 999 lb	1 217	105	41
1,000 to 9,999 lb	11 025	982	456
10,000 to 49,999 lb	12 550	2 048	901
50,000 to 99,999 lb	1 637	446	94
100,000 lb or more	1 274	216	96
SCTG 35, Electronic and other electrical equipment and components and office equipment	89 150	3 943	2 574
Less than 50 lb	29 586	240	128
50 to 99 lb	5 941	124	55
100 to 499 lb	17 516	449	228
500 to 749 lb	3 677	140	70
750 to 999 lb	2 996	96	54
1,000 to 9,999 lb	16 840	1 078	668
10,000 to 49,999 lb	12 361	1 760	1 321
50,000 to 99,999 lb	S	40	S
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	40 750	5 981	2 309
Less than 50 lb	4 115	209	52
50 to 99 lb	1 495	124	23
100 to 499 lb	4 510	332	100
500 to 749 lb	1 165	112	23
750 to 999 lb	887	86	29
1,000 to 9,999 lb	13 597	1 891	410
10,000 to 49,999 lb	10 916	2 533	1 277
50,000 to 99,999 lb	1 785	323	188
100,000 lb or more	S	370	206
SCTG 37, Transportation equipment, n.e.c.	6 450	944	926
Less than 50 lb	2 152	5	5
50 to 99 lb	525	4	3
100 to 499 lb	1 287	12	13
500 to 749 lb	S	5	4
750 to 999 lb	S	3	2
1,000 to 9,999 lb	503	80	65
10,000 to 49,999 lb	756	512	S
50,000 to 99,999 lb	346	120	125
100,000 lb or more	S	S	236
SCTG 38, Precision instruments and apparatus	23 343	345	274
Less than 50 lb	12 231	76	58
50 to 99 lb	2 782	24	20
100 to 499 lb	4 666	91	77
500 to 749 lb	703	21	13
750 to 999 lb	572	14	8
1,000 to 9,999 lb	1 945	84	81
10,000 to 49,999 lb	444	34	17
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	9 168	1 500	637
Less than 50 lb	439	28	13
50 to 99 lb	286	27	12
100 to 499 lb	1 811	224	93
500 to 749 lb	683	100	52
750 to 999 lb	421	64	15
1,000 to 9,999 lb	3 474	634	269
10,000 to 49,999 lb	2 001	392	178
50,000 to 99,999 lb	S	18	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	64 137	S	3 929
Less than 50 lb	27 255	416	315
50 to 99 lb	3 262	139	97
100 to 499 lb	7 825	522	304
500 to 749 lb	1 939	189	116
750 to 999 lb	1 351	144	84
1,000 to 9,999 lb	10 042	1 865	956
10,000 to 49,999 lb	11 679	5 641	1 895
50,000 to 99,999 lb	376	340	82
100,000 lb or more	S	S	81

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	4 277	20 029	4 863
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	3	S	—
500 to 749 lb	S	S	—
750 to 999 lb	5	S	S
1,000 to 9,999 lb	177	262	11
10,000 to 49,999 lb	3 015	11 906	1 406
50,000 to 99,999 lb	226	1 244	219
100,000 lb or more	837	6 607	S
SCTG 43, Mixed freight	25 357	12 017	1 641
Less than 50 lb	722	63	14
50 to 99 lb	400	56	9
100 to 499 lb	1 768	466	50
500 to 749 lb	596	224	15
750 to 999 lb	692	214	17
1,000 to 9,999 lb	6 352	3 088	397
10,000 to 49,999 lb	14 618	7 746	1 090
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	4 054	1 737	686
Less than 50 lb	479	8	5
50 to 99 lb	184	5	2
100 to 499 lb	S	30	16
500 to 749 lb	65	14	2
750 to 999 lb	58	17	3
1,000 to 9,999 lb	974	307	S
10,000 to 49,999 lb	1 289	1 127	545
50,000 to 99,999 lb	S	24	S
100,000 lb or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	873 472	1 053 082	150 564	454	285 696	737 000	14 531	93 052	99 803	9 503
Less than 50 lb	144 502	3 669	1 509	527	40 488	2 037	38	13 770	206	19
50 to 99 lb	36 859	2 173	663	304	14 063	1 396	26	2 972	143	13
100 to 499 lb	115 905	11 557	2 844	254	40 859	7 550	147	11 157	1 039	97
500 to 749 lb	30 058	5 151	1 115	213	10 839	3 463	67	2 291	486	44
750 to 999 lb	28 458	4 540	1 168	255	8 360	2 921	57	1 833	410	37
1,000 to 9,999 lb	211 161	69 638	14 495	209	68 956	41 822	900	25 741	8 878	821
10,000 to 49,999 lb	248 556	485 769	70 484	155	71 439	332 631	7 381	30 736	47 454	4 337
50,000 to 99,999 lb	26 122	175 374	11 633	66	16 092	139 804	3 471	2 729	20 871	1 923
100,000 lb or more	31 850	295 212	46 652	150	14 601	205 377	2 442	1 822	20 316	2 213
SCTG 01, Live animals and live fish	129	137	70	S	S	S	-	3	3	-
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	-	49	S	S	S	S	S	S
500 to 749 lb	S	S	-	60	S	S	S	S	S	S
750 to 999 lb	3	S	S	141	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	182	S	S	S	S	S	S
10,000 to 49,999 lb	42	43	27	515	3	3	-	2	S	-
50,000 to 99,999 lb	26	29	21	720	S	S	-	-	-	-
100,000 lb or more	S	S	S	672	S	S	S	-	-	-
SCTG 02, Cereal grains	714	2 258	265	S	332	1 782	40	26	184	17
Less than 50 lb	S	S	S	S	S	S	S	-	-	-
50 to 99 lb	S	S	-	30	S	S	S	S	S	S
100 to 499 lb	S	S	-	S	S	S	S	S	S	S
500 to 749 lb	S	S	-	45	S	S	S	S	S	S
750 to 999 lb	S	S	S	34	S	S	S	-	-	-
1,000 to 9,999 lb	27	S	S	22	S	S	S	S	S	S
10,000 to 49,999 lb	517	919	217	181	673	10	7	58	4	4
50,000 to 99,999 lb	124	1 023	38	107	949	27	5	44	4	4
100,000 lb or more	27	S	S	269	S	S	S	S	S	S
SCTG 03, Other agricultural products	7 672	10 251	1 156	S	4 883	6 319	184	S	S	S
Less than 50 lb	145	22	S	189	94	18	-	7	1	-
50 to 99 lb	99	37	S	S	78	33	-	7	2	-
100 to 499 lb	771	389	17	S	637	348	5	S	S	S
500 to 749 lb	371	247	13	S	249	186	3	S	S	S
750 to 999 lb	252	163	9	S	209	143	2	12	9	1
1,000 to 9,999 lb	2 438	S	210	71	1 535	1 972	S	S	S	S
10,000 to 49,999 lb	3 139	4 449	631	123	1 930	2 603	91	S	S	S
50,000 to 99,999 lb	443	2 044	S	127	S	S	S	S	S	S
100,000 lb or more	S	S	S	193	-	-	-	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	3 902	10 167	1 190	167	1 848	6 898	178	398	1 252	119
Less than 50 lb	65	7	3	518	S	S	-	S	S	S
50 to 99 lb	S	7	S	77	9	6	-	S	S	S
100 to 499 lb	130	77	5	S	84	67	1	S	S	S
500 to 749 lb	64	58	S	71	34	44	1	S	S	S
750 to 999 lb	31	45	S	86	16	S	1	S	3	-
1,000 to 9,999 lb	1 113	2 155	114	53	567	1 816	47	S	166	16
10,000 to 49,999 lb	2 133	6 538	894	S	901	3 930	116	233	982	92
50,000 to 99,999 lb	S	S	63	S	S	S	5	15	92	9
100,000 lb or more	159	506	S	436	S	S	S	-	-	-
SCTG 05, Meat, fish, seafood, and their preparations	14 885	5 455	1 680	62	6 680	2 306	54	2 111	851	79
Less than 50 lb	280	30	1	S	262	27	-	15	2	-
50 to 99 lb	326	54	1	26	300	50	1	22	3	-
100 to 499 lb	1 583	407	18	42	1 322	336	8	198	56	5
500 to 749 lb	670	204	19	89	528	161	4	63	24	2
750 to 999 lb	479	157	11	68	385	127	3	63	20	2
1,000 to 9,999 lb	5 093	1 876	325	144	2 327	938	20	999	375	35
10,000 to 49,999 lb	5 874	2 511	1 276	429	1 146	542	17	713	333	31
50,000 to 99,999 lb	142	S	13	168	S	S	S	S	S	S
100,000 lb or more	438	140	S	S	S	S	S	-	-	-
SCTG 06, Milled grain products and preparations, and bakery products	15 249	11 234	3 796	S	5 901	4 132	89	2 652	2 022	190
Less than 50 lb	613	182	6	S	545	169	3	31	8	1
50 to 99 lb	327	118	5	S	302	110	2	17	4	-
100 to 499 lb	851	388	29	75	701	324	7	70	29	3
500 to 749 lb	358	173	11	59	262	125	2	44	21	2
750 to 999 lb	295	174	11	65	225	133	2	29	17	2
1,000 to 9,999 lb	3 170	2 054	269	92	1 663	1 169	16	637	400	39
10,000 to 49,999 lb	8 565	6 577	2 914	414	1 644	1 625	41	1 643	1 173	110
50,000 to 99,999 lb	640	1 094	143	S	S	416	13	81	325	31
100,000 lb or more	430	475	S	560	S	60	3	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	56 319	52 108	10 935	78	23 866	26 750	666	7 780	7 995	737
Less than 50 lb	926	109	5	S	812	101	1	S	3	—
50 to 99 lb	665	171	7	40	576	161	3	21	4	—
100 to 499 lb	3 101	1 591	78	48	2 246	1 420	24	160	84	8
500 to 749 lb	1 368	696	58	82	851	575	12	164	61	6
750 to 999 lb	1 020	554	67	119	541	412	9	109	66	6
1,000 to 9,999 lb	13 728	10 022	1 150	116	6 179	6 418	144	2 170	1 694	154
10,000 to 49,999 lb	34 341	35 847	9 138	241	12 145	15 616	403	4 817	5 541	519
50,000 to 99,999 lb	881	1 726	254	S	357	S	S	S	S	S
100,000 lb or more	289	S	177	S	S	S	S	S	S	S
SCTG 08, Alcoholic beverages	10 986	11 273	3 362	44	6 237	5 228	99	725	867	76
Less than 50 lb	414	S	S	66	363	31	—	S	2	—
50 to 99 lb	215	40	2	39	198	34	1	10	2	—
100 to 499 lb	985	594	12	20	917	570	9	54	20	2
500 to 749 lb	519	397	8	19	502	385	7	15	11	1
750 to 999 lb	313	277	5	19	294	266	4	16	9	1
1,000 to 9,999 lb	2 342	2 160	71	26	2 190	2 058	36	101	67	5
10,000 to 49,999 lb	5 850	7 353	2 986	344	1 692	1 792	41	489	757	67
50,000 to 99,999 lb	228	283	93	290	74	84	S	—	—	—
100,000 lb or more	S	S	S	797	S	S	S	—	—	—
SCTG 09, Tobacco products	5 324	255	30	70	4 073	174	5	518	43	4
Less than 50 lb	905	16	1	58	776	15	—	29	1	—
50 to 99 lb	665	17	1	53	617	16	—	S	1	—
100 to 499 lb	1 708	57	6	96	1 394	46	1	123	5	—
500 to 749 lb	326	15	3	233	247	—	—	11	2	—
750 to 999 lb	186	10	2	188	116	6	S	S	S	S
1,000 to 9,999 lb	1 396	113	11	S	820	S	S	S	33	3
10,000 to 49,999 lb	137	26	S	159	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	627	3 718	S	61	S	2 930	81	S	368	34
Less than 50 lb	S	S	S	27	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	13	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	268	2 511	S	S	113	1 825	47	S	306	29
50,000 to 99,999 lb	S	S	S	60	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	828	46 837	2 092	62	497	40 792	1 014	125	S	S
Less than 50 lb	S	S	S	168	S	S	S	S	S	S
50 to 99 lb	S	S	S	303	—	—	—	—	—	—
100 to 499 lb	S	S	S	116	S	S	S	S	S	S
500 to 749 lb	2	5	S	175	S	S	—	S	S	S
750 to 999 lb	S	S	S	79	S	S	S	S	S	S
1,000 to 9,999 lb	43	304	S	157	12	199	3	S	S	S
10,000 to 49,999 lb	555	17 287	715	52	329	15 628	385	S	S	S
50,000 to 99,999 lb	105	S	655	44	S	S	S	13	844	86
100,000 lb or more	113	14 120	685	55	67	11 062	160	S	S	S
SCTG 12, Gravel and crushed stone	1 556	221 158	6 283	30	1 402	203 543	4 020	103	13 004	1 124
Less than 50 lb	S	S	S	17	S	S	S	—	—	—
50 to 99 lb	S	S	S	19	S	S	S	—	—	—
100 to 499 lb	4	4	S	S	—	3	S	S	S	S
500 to 749 lb	S	3	S	56	S	2	—	S	S	S
750 to 999 lb	—	4	S	S	—	4	—	S	S	S
1,000 to 9,999 lb	18	1 270	22	17	15	1 223	13	S	S	S
10,000 to 49,999 lb	864	131 164	4 154	30	773	119 156	2 687	58	8 703	725
50,000 to 99,999 lb	316	40 425	1 350	34	271	35 900	872	34	3 754	334
100,000 lb or more	357	48 287	756	S	342	47 254	448	S	525	63
SCTG 13, Nonmetallic minerals n.e.c.	957	38 842	2 556	89	412	28 898	719	86	5 957	535
Less than 50 lb	3	—	—	S	S	—	—	S	S	S
50 to 99 lb	S	S	S	151	S	S	S	S	S	S
100 to 499 lb	16	11	1	S	9	9	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	134	419	40	115	43	311	4	6	16	2
10,000 to 49,999 lb	516	14 682	1 127	76	167	12 001	310	34	791	86
50,000 to 99,999 lb	121	9 813	756	80	73	6 274	235	25	S	S
100,000 lb or more	77	13 877	631	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	899	2 100	S	476	186	948	22	72	S	S
Less than 50 lb	S	S	S	468	S	S	S	S	S	S
50 to 99 lb	S	S	S	429	S	S	S	S	S	S
100 to 499 lb	S	S	S	551	S	S	S	S	S	S
500 to 749 lb	S	S	S	340	S	S	S	S	S	S
750 to 999 lb	S	S	S	214	S	S	S	S	S	S
1,000 to 9,999 lb	S	33	S	339	S	S	S	S	1	—
10,000 to 49,999 lb	493	741	S	757	S	187	5	S	39	4
50,000 to 99,999 lb	116	1 065	S	325	53	718	15	S	S	S
100,000 lb or more	81	254	112	444	S	S	S	—	—	—
SCTG 15, Coal	3 235	110 980	21 256	52	1 861	59 534	1 101	302	11 943	1 377
Less than 50 lb	S	S	S	282	—	—	—	—	—	—
50 to 99 lb	S	S	S	259	—	—	—	—	—	—
100 to 499 lb	S	S	S	7	S	S	S	—	—	—
500 to 749 lb	S	S	S	45	S	S	S	S	S	S
750 to 999 lb	S	S	S	19	S	S	S	—	—	—
1,000 to 9,999 lb	42	317	6	18	40	292	3	S	S	S
10,000 to 49,999 lb	1 060	23 045	1 297	52	862	18 705	405	73	2 065	193
50,000 to 99,999 lb	178	6 588	382	S	129	5 238	91	S	S	52
100,000 lb or more	1 954	81 028	19 571	119	830	35 297	602	211	9 323	1 130
SCTG 17, Gasoline and aviation turbine fuel	17 222	67 847	S	32	14 578	56 563	974	1 073	4 089	347
Less than 50 lb	S	S	S	17	S	S	S	—	—	—
50 to 99 lb	S	S	S	14	S	S	S	S	S	S
100 to 499 lb	S	S	—	S	S	S	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—
750 to 999 lb	6	15	—	18	6	15	—	S	S	S
1,000 to 9,999 lb	608	1 364	48	31	496	1 169	23	53	112	11
10,000 to 49,999 lb	2 759	9 994	430	45	2 344	8 179	172	298	1 288	117
50,000 to 99,999 lb	8 246	29 356	1 182	41	7 480	26 191	669	547	2 097	172
100,000 lb or more	5 568	27 037	S	74	4 218	20 928	109	S	S	S
SCTG 18, Fuel oils	10 730	55 311	2 407	23	8 745	43 537	603	1 219	7 429	763
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	21	S	S	S	S	S	S
100 to 499 lb	S	S	S	23	S	S	S	1	1	—
500 to 749 lb	81	246	4	17	80	243	4	1	2	—
750 to 999 lb	134	427	7	16	133	423	6	S	S	S
1,000 to 9,999 lb	1 391	4 573	99	18	1 280	4 393	77	67	129	13
10,000 to 49,999 lb	2 596	13 693	S	39	2 098	10 432	165	S	S	S
50,000 to 99,999 lb	3 083	17 416	706	41	2 622	14 571	297	370	2 286	197
100,000 lb or more	3 368	18 821	1 006	77	2 457	13 342	50	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	8 328	82 314	3 655	S	5 566	72 028	1 147	830	3 241	320
Less than 50 lb	29	8	—	39	26	8	—	1	—	—
50 to 99 lb	S	12	S	493	12	8	—	S	—	S
100 to 499 lb	193	138	9	77	142	130	3	7	2	—
500 to 749 lb	88	75	5	S	44	70	1	S	2	—
750 to 999 lb	77	94	5	54	58	83	2	S	S	S
1,000 to 9,999 lb	645	1 390	66	S	464	1 271	22	58	52	5
10,000 to 49,999 lb	3 631	48 836	1 575	29	2 267	44 142	645	507	2 313	227
50,000 to 99,999 lb	787	12 266	412	S	601	11 128	202	84	586	57
100,000 lb or more	2 808	19 494	1 578	192	1 952	15 188	273	S	S	S
SCTG 20, Basic chemicals ..	16 519	15 722	5 685	371	4 961	6 829	174	1 146	1 651	156
Less than 50 lb	1 122	23	11	574	277	S	S	60	1	—
50 to 99 lb	457	29	7	234	S	S	S	9	1	—
100 to 499 lb	1 340	248	46	194	449	182	4	41	11	1
500 to 749 lb	327	157	21	131	121	123	3	18	10	1
750 to 999 lb	257	84	19	212	55	58	1	39	7	1
1,000 to 9,999 lb	5 324	2 246	409	168	1 604	1 441	29	392	226	20
10,000 to 49,999 lb	5 930	7 759	2 066	270	1 736	3 392	107	527	1 109	95
50,000 to 99,999 lb	203	S	66	S	42	S	S	S	S	S
100,000 lb or more	1 559	4 839	3 040	517	S	1 380	S	S	S	S
SCTG 21, Pharmaceutical products	51 639	1 625	700	718	13 128	S	14	5 427	127	11
Less than 50 lb	18 612	129	83	726	4 112	39	1	1 495	14	1
50 to 99 lb	4 594	47	32	689	1 560	16	—	535	6	1
100 to 499 lb	8 969	143	69	455	2 028	47	1	1 040	21	2
500 to 749 lb	1 750	44	23	529	472	16	—	S	4	—
750 to 999 lb	S	35	19	523	S	10	—	S	S	S
1,000 to 9,999 lb	6 960	294	134	410	2 909	100	3	891	42	3
10,000 to 49,999 lb	6 894	867	289	380	1 786	S	S	1 236	35	3
50,000 to 99,999 lb	S	S	S	768	S	S	S	—	—	—
100,000 lb or more	S	S	S	757	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	753	2 493	391	132	229	832	26	192	S	S
Less than 50 lb	S	S	S	432	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	7	7	S	S	5	6	—	1	1	—
500 to 749 lb	20	16	2	S	S	S	S	1	1	S
750 to 999 lb	6	S	S	161	S	1	—	S	S	S
1,000 to 9,999 lb	275	553	43	S	117	S	9	S	S	S
10,000 to 49,999 lb	418	S	S	156	87	414	S	S	S	S
50,000 to 99,999 lb	S	108	S	147	S	S	S	S	S	S
100,000 lb or more	S	S	S	609	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	38 397	7 765	3 967	459	10 261	2 269	69	1 935	651	58
Less than 50 lb	3 805	94	44	500	1 172	40	1	377	10	1
50 to 99 lb	1 495	67	29	420	591	35	—	60	4	—
100 to 499 lb	6 654	382	130	312	1 797	202	4	353	29	3
500 to 749 lb	2 141	164	58	354	S	73	1	54	12	1
750 to 999 lb	1 660	158	70	444	388	57	2	45	12	1
1,000 to 9,999 lb	14 321	1 689	878	523	3 160	554	17	632	161	15
10,000 to 49,999 lb	7 259	4 091	1 876	454	2 546	1 190	40	360	374	31
50,000 to 99,999 lb	189	147	96	567	S	S	S	S	S	S
100,000 lb or more	872	973	787	939	S	S	S	S	S	S
SCTG 24, Plastics and rubber	38 090	13 835	7 989	407	11 137	4 432	113	3 766	1 301	122
Less than 50 lb	3 112	113	46	466	1 015	55	1	296	10	1
50 to 99 lb	1 159	95	34	354	455	53	1	148	11	1
100 to 499 lb	4 864	678	203	284	2 406	410	9	384	65	6
500 to 749 lb	1 489	288	100	342	559	155	4	120	23	2
750 to 999 lb	909	205	71	347	314	99	2	95	25	2
1,000 to 9,999 lb	13 373	4 129	1 598	364	3 936	1 586	47	1 708	513	48
10,000 to 49,999 lb	11 424	6 191	3 816	587	1 874	1 161	34	869	554	52
50,000 to 99,999 lb	266	182	141	720	S	S	S	S	S	S
100,000 lb or more	1 494	1 954	1 979	1 584	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	480	3 270	296	S	131	2 223	68	72	S	44
Less than 50 lb	S	S	S	1 001	S	S	S	S	S	S
50 to 99 lb	S	S	S	10	S	S	S	S	S	S
100 to 499 lb	S	1	S	66	S	1	—	S	S	S
500 to 749 lb	1	S	—	25	S	S	S	S	S	S
750 to 999 lb	S	S	S	118	S	S	S	S	S	S
1,000 to 9,999 lb	S	84	S	96	20	S	S	S	S	S
10,000 to 49,999 lb	254	1 367	140	93	65	S	23	49	363	31
50,000 to 99,999 lb	42	1 395	69	50	25	S	S	S	S	S
100,000 lb or more	31	422	78	189	S	S	S	—	—	—
SCTG 26, Wood products	8 357	13 654	2 685	296	3 778	7 137	231	1 296	2 264	217
Less than 50 lb	378	24	S	436	92	8	—	67	4	—
50 to 99 lb	164	24	6	S	110	15	—	24	4	—
100 to 499 lb	1 001	147	28	174	560	84	2	155	26	2
500 to 749 lb	309	75	8	106	185	48	1	66	15	1
750 to 999 lb	214	56	11	185	109	34	1	25	7	1
1,000 to 9,999 lb	2 232	1 342	140	111	1 269	887	22	349	236	22
10,000 to 49,999 lb	3 285	7 717	1 307	149	1 129	3 759	110	513	1 304	127
50,000 to 99,999 lb	520	2 906	334	117	270	1 882	72	81	591	58
100,000 lb or more	254	1 365	S	509	S	418	21	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	13 836	14 607	5 909	102	4 105	4 815	110	1 432	1 297	123
Less than 50 lb	240	39	3	S	137	S	S	S	1	—
50 to 99 lb	144	31	2	72	116	26	1	S	2	—
100 to 499 lb	623	241	16	69	474	199	4	58	23	2
500 to 749 lb	246	117	10	82	190	99	2	22	9	1
750 to 999 lb	232	122	11	93	166	102	2	11	6	1
1,000 to 9,999 lb	2 604	1 585	316	165	1 327	947	21	275	177	16
10,000 to 49,999 lb	8 909	10 580	4 487	407	1 472	2 478	60	1 031	1 025	97
50,000 to 99,999 lb	205	S	132	S	S	S	S	S	S	S
100,000 lb or more	632	1 146	932	751	121	369	9	S	S	S
SCTG 28, Paper or paperboard articles	13 670	9 163	2 069	283	5 791	4 387	109	1 688	1 418	131
Less than 50 lb	768	57	20	419	373	31	1	46	5	—
50 to 99 lb	280	43	7	156	190	32	1	24	3	—
100 to 499 lb	1 277	340	39	116	790	249	5	129	37	3
500 to 749 lb	496	186	21	115	314	134	3	71	29	3
750 to 999 lb	368	152	17	109	217	104	3	40	17	1
1,000 to 9,999 lb	3 901	2 269	356	143	1 768	1 294	32	634	412	41
10,000 to 49,999 lb	6 373	5 390	1 409	231	2 049	2 170	56	734	809	73
50,000 to 99,999 lb	29	216	34	S	S	14	3	S	S	S
100,000 lb or more	S	510	S	266	S	220	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	80 779	14 477	4 718	348	21 507	7 774	156	9 138	1 357	133
Less than 50 lb	11 810	1 080	258	351	4 180	841	17	591	26	3
50 to 99 lb	3 473	437	106	236	1 012	323	6	311	16	2
100 to 499 lb	17 798	1 473	S	328	3 921	817	14	S	S	S
500 to 749 lb	3 057	362	S	492	860	192	2	185	16	1
750 to 999 lb	S	502	S	814	S	172	3	137	16	2
1,000 to 9,999 lb	S	3 945	1 419	406	5 735	1 689	35	S	537	55
10,000 to 49,999 lb	7 539	4 237	1 530	338	3 335	1 789	40	1 089	497	48
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	96	169	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	52 746	3 700	2 097	694	13 167	1 205	25	3 574	265	24
Less than 50 lb	11 749	305	262	699	2 068	50	1	835	21	2
50 to 99 lb	3 322	149	114	769	715	35	1	295	15	1
100 to 499 lb	9 804	538	320	629	2 512	186	4	767	58	6
500 to 749 lb	2 781	196	80	415	893	98	2	175	20	2
750 to 999 lb	2 242	121	59	490	739	55	1	100	12	1
1,000 to 9,999 lb	16 446	1 275	781	630	4 193	446	10	1 135	102	9
10,000 to 49,999 lb	6 090	1 033	436	402	1 969	315	6	256	33	3
50,000 to 99,999 lb	133	S	S	677	S	S	S	—	—	—
100,000 lb or more	180	36	S	311	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	16 939	93 522	8 490	794	6 219	70 095	1 410	1 882	9 998	926
Less than 50 lb	896	40	S	1 326	208	13	—	S	2	—
50 to 99 lb	312	41	13	326	153	25	—	25	3	—
100 to 499 lb	1 307	256	66	270	447	157	3	125	27	2
500 to 749 lb	294	103	19	190	139	72	1	36	10	1
750 to 999 lb	323	113	29	262	119	65	1	21	S	S
1,000 to 9,999 lb	3 605	3 402	647	228	1 520	2 394	46	261	238	22
10,000 to 49,999 lb	8 456	47 439	5 000	104	2 795	34 759	767	833	3 945	367
50,000 to 99,999 lb	1 186	22 137	1 729	82	535	13 806	285	396	5 456	502
100,000 lb or more	561	S	947	S	S	S	S	41	305	30
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	43 156	30 868	12 197	303	8 145	8 754	179	3 853	3 193	291
Less than 50 lb	1 021	44	15	355	363	23	—	78	5	—
50 to 99 lb	562	52	12	226	257	32	1	53	6	1
100 to 499 lb	2 571	363	80	233	1 176	227	5	242	39	4
500 to 749 lb	676	137	30	219	262	76	2	79	21	2
750 to 999 lb	604	137	36	257	188	71	1	74	24	2
1,000 to 9,999 lb	7 722	2 715	828	283	1 903	1 103	26	897	428	38
10,000 to 49,999 lb	24 967	20 176	7 701	399	3 032	5 712	82	2 082	1 989	185
50,000 to 99,999 lb	1 846	2 471	900	348	232	573	9	292	526	45
100,000 lb or more	3 187	4 774	2 595	597	732	938	54	56	156	15
SCTG 33, Articles of base metal	27 116	12 871	4 788	425	8 091	3 270	90	3 534	2 057	191
Less than 50 lb	4 470	132	72	463	1 798	65	1	484	11	1
50 to 99 lb	1 378	90	31	344	589	46	1	135	9	1
100 to 499 lb	3 724	445	136	292	1 628	218	5	508	70	6
500 to 749 lb	881	152	54	358	242	61	1	72	20	2
750 to 999 lb	867	150	44	289	436	74	2	72	19	2
1,000 to 9,999 lb	6 787	2 521	1 034	392	1 855	779	23	845	418	40
10,000 to 49,999 lb	7 787	7 254	2 303	300	1 358	1 628	50	1 325	1 226	116
50,000 to 99,999 lb	390	605	322	508	118	167	6	S	S	S
100,000 lb or more	832	1 520	792	446	S	S	S	S	S	S
SCTG 34, Machinery	44 745	4 485	1 835	292	12 290	1 644	40	4 077	394	35
Less than 50 lb	6 129	123	36	277	2 410	72	1	616	11	1
50 to 99 lb	2 198	78	23	287	770	47	1	263	7	1
100 to 499 lb	6 115	329	112	330	2 361	184	4	418	22	2
500 to 749 lb	2 600	159	75	480	479	59	1	141	13	1
750 to 999 lb	1 217	105	41	399	313	40	1	100	13	1
1,000 to 9,999 lb	11 025	982	456	435	2 541	298	7	822	96	9
10,000 to 49,999 lb	12 550	2 048	901	465	2 423	598	15	1 529	177	16
50,000 to 99,999 lb	1 637	446	94	202	847	264	7	91	16	1
100,000 lb or more	1 274	216	96	440	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	89 150	3 943	2 574	647	19 484	862	22	9 526	279	26
Less than 50 lb	29 586	240	128	673	7 148	109	2	S	16	2
50 to 99 lb	5 941	124	55	434	1 903	61	1	357	9	1
100 to 499 lb	17 516	449	228	482	4 734	194	4	1 040	29	3
500 to 749 lb	3 677	140	70	492	823	50	1	109	12	1
750 to 999 lb	2 996	96	54	555	416	23	—	182	13	1
1,000 to 9,999 lb	16 840	1 078	668	608	3 446	256	8	1 661	104	9
10,000 to 49,999 lb	12 361	1 760	1 321	750	929	158	5	427	96	9
50,000 to 99,999 lb	S	40	S	1 119	—	—	—	—	—	—
100,000 lb or more	S	S	S	365	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	40 750	5 981	2 309	207	13 048	1 816	43	7 075	853	74
Less than 50 lb	4 115	209	52	199	2 045	140	2	386	13	1
50 to 99 lb	1 495	124	23	193	786	80	2	254	12	1
100 to 499 lb	4 510	332	100	313	1 426	128	3	1 103	76	7
500 to 749 lb	1 165	112	23	204	537	62	2	181	17	2
750 to 999 lb	887	86	29	313	340	33	1	170	20	2
1,000 to 9,999 lb	13 597	1 891	410	193	6 197	905	20	3 242	395	36
10,000 to 49,999 lb	10 916	2 533	1 277	464	1 444	315	9	1 578	309	24
50,000 to 99,999 lb	1 785	323	188	544	228	108	2	S	S	S
100,000 lb or more	S	370	206	583	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	6 450	944	926	924	785	114	2	212	25	2
Less than 50 lb	2 152	5	5	944	357	1	S	87	S	S
50 to 99 lb	525	4	3	822	S	S	S	S	S	S
100 to 499 lb	1 287	12	13	948	91	1	—	S	1	—
500 to 749 lb	S	5	4	830	S	S	S	S	—	—
750 to 999 lb	S	3	2	623	S	—	S	S	S	S
1,000 to 9,999 lb	503	80	65	831	13	4	S	31	3	—
10,000 to 49,999 lb	756	512	S	877	96	99	2	33	18	2
50,000 to 99,999 lb	346	120	125	1 029	S	S	S	S	S	S
100,000 lb or more	S	S	236	1 324	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	23 343	345	274	757	5 651	73	2	1 214	28	3
Less than 50 lb	12 231	76	58	749	2 363	18	1	642	6	1
50 to 99 lb	2 782	24	20	780	742	4	—	87	1	—
100 to 499 lb	4 666	91	77	975	1 553	21	1	277	5	—
500 to 749 lb	703	21	13	643	241	4	—	S	S	S
750 to 999 lb	572	14	8	542	S	S	S	S	S	S
1,000 to 9,999 lb	1 945	84	81	856	496	20	1	58	S	S
10,000 to 49,999 lb	444	34	17	529	S	S	S	S	2	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	9 168	1 500	637	394	3 152	516	12	962	187	17
Less than 50 lb	439	28	13	362	184	10	—	36	2	—
50 to 99 lb	286	27	12	469	139	15	—	16	2	—
100 to 499 lb	1 811	224	93	422	744	104	2	138	21	2
500 to 749 lb	683	100	52	511	249	40	1	61	11	1
750 to 999 lb	421	64	15	230	203	34	1	45	9	1
1,000 to 9,999 lb	3 474	634	269	411	1 128	208	5	506	99	9
10,000 to 49,999 lb	2 001	392	178	484	464	87	S	158	36	3
50,000 to 99,999 lb	S	18	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	46	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	64 137	S	3 929	799	16 763	S	99	5 960	1 439	128
Less than 50 lb	27 255	416	315	817	6 884	73	2	1 509	22	2
50 to 99 lb	3 262	139	97	663	1 289	46	1	211	12	1
100 to 499 lb	7 825	522	304	581	2 407	166	4	608	48	5
500 to 749 lb	1 939	189	116	604	436	55	1	225	19	2
750 to 999 lb	1 351	144	84	586	206	42	1	130	14	1
1,000 to 9,999 lb	10 042	1 865	956	516	2 193	643	17	921	161	15
10,000 to 49,999 lb	11 679	5 641	1 895	311	S	2 087	44	S	S	S
50,000 to 99,999 lb	376	340	82	234	S	141	2	S	45	4
100,000 lb or more	S	S	81	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	4 277	20 029	4 863	127	1 796	10 661	306	470	2 177	203
Less than 50 lb	S	S	S	193	S	S	S	S	S	S
50 to 99 lb	S	S	S	1 006	—	—	—	—	—	—
100 to 499 lb	3	S	—	303	—	S	S	S	S	S
500 to 749 lb	S	S	—	S	S	S	S	S	—	—
750 to 999 lb	5	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	177	262	11	S	120	234	3	S	S	S
10,000 to 49,999 lb	3 015	11 906	1 406	116	1 262	7 143	218	374	1 500	140
50,000 to 99,999 lb	226	1 244	219	149	118	836	20	24	111	10
100,000 lb or more	837	6 607	S	306	286	2 439	66	57	553	51
SCTG 43, Mixed freight.....	25 357	12 017	1 641	175	12 942	6 962	198	4 970	2 486	224
Less than 50 lb	722	63	14	233	286	22	—	84	9	1
50 to 99 lb	400	56	9	167	196	34	1	31	3	—
100 to 499 lb	1 768	466	50	124	1 037	325	7	284	60	5
500 to 749 lb	596	224	15	68	337	160	4	101	35	3
750 to 999 lb	692	214	17	81	354	152	3	77	38	3
1,000 to 9,999 lb	6 352	3 088	397	119	3 265	1 759	51	1 264	622	58
10,000 to 49,999 lb	14 618	7 746	1 090	130	7 417	4 431	132	3 130	1 719	153
50,000 to 99,999 lb	S	S	S	920	—	—	—	—	—	—
100,000 lb or more	S	S	S	91	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	4 054	1 737	686	563	1 587	1 029	S	139	104	9
Less than 50 lb	479	8	5	625	118	3	—	20	—	—
50 to 99 lb	184	5	2	499	67	2	—	S	—	—
100 to 499 lb	S	30	16	521	S	15	—	8	1	—
500 to 749 lb	65	14	2	S	27	10	—	4	S	S
750 to 999 lb	58	17	3	S	29	14	—	2	1	S
1,000 to 9,999 lb	974	307	S	275	279	163	2	52	22	2
10,000 to 49,999 lb	1 289	1 127	545	403	291	S	S	41	S	S
50,000 to 99,999 lb	S	24	S	118	S	S	S	S	S	S
100,000 lb or more	S	S	S	84	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	146 636	107 605	25 969	103 329	48 914	23 135	78 862	24 375	19 578	45 914	11 179	12 237
Less than 50 lb	20 140	341	73	16 760	238	108	13 391	231	172	8 300	184	185
50 to 99 lb	4 546	167	36	3 167	107	48	3 312	88	67	2 020	75	77
100 to 499 lb	18 316	942	196	10 319	559	248	7 416	387	294	7 684	352	356
500 to 749 lb	5 485	437	92	2 747	211	92	2 079	163	122	1 700	107	111
750 to 999 lb	3 651	338	67	4 196	303	133	2 385	201	145	S	80	80
1,000 to 9,999 lb	42 825	8 141	1 667	21 477	3 896	1 681	18 359	2 510	1 875	9 536	1 260	1 282
10,000 to 49,999 lb	44 207	47 163	9 544	38 880	27 889	11 888	28 745	14 106	10 614	11 531	5 990	6 075
50,000 to 99,999 lb	2 502	10 252	1 932	1 870	2 007	888	1 090	912	715	513	384	382
100,000 lb or more	4 963	39 819	12 362	3 913	13 705	8 048	2 084	5 778	5 575	893	2 749	3 688
SCTG 01, Live animals and live fish	19	15	4	14	12	7	62	66	53	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	2	1	—	S	S	S	—	—	—	—	—	—
500 to 749 lb	1	1	—	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	—	S	S	S	—	—	—
10,000 to 49,999 lb	10	9	2	S	S	S	20	22	18	S	S	S
50,000 to 99,999 lb	2	2	1	S	S	—	S	19	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—
SCTG 02, Cereal grains	35	125	30	S	63	33	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	25	62	12	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	3	26	5	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 03, Other agricultural products	676	1 041	199	371	583	246	120	100	74	110	126	122
Less than 50 lb	S	1	—	S	—	—	S	S	S	S	S	S
50 to 99 lb	4	1	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	26	8	2	S	S	S	S	1	2	2	1	1
500 to 749 lb	S	5	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	9	4	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	252	155	29	158	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	244	434	85	128	271	113	69	68	51	74	90	88
50,000 to 99,999 lb	104	435	81	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	614	1 224	241	566	504	213	93	96	74	45	56	60
Less than 50 lb	S	S	S	24	1	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	16	7	S	2	1	S	S	S
10,000 to 49,999 lb	418	928	186	406	479	202	65	78	60	34	47	49
50,000 to 99,999 lb	20	89	18	S	S	S	S	S	S	—	—	—
100,000 lb or more	4	45	10	—	—	—	—	—	—	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	2 450	1 047	196	1 384	437	189	583	208	165	S	137	143
Less than 50 lb	2	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	1	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	36	11	2	7	2	1	S	S	S	S	S	S
500 to 749 lb	25	8	1	12	3	1	S	S	S	S	S	S
750 to 999 lb	12	5	1	7	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	831	315	62	490	133	54	150	34	26	116	28	29
10,000 to 49,999 lb	1 435	662	120	867	297	132	420	171	137	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	2 339	1 973	395	1 645	1 382	587	1 066	639	493	463	277	286
Less than 50 lb	S	S	S	8	1	—	3	S	S	1	S	S
50 to 99 lb	2	1	—	1	S	S	S	S	S	S	S	S
100 to 499 lb	41	16	3	8	S	S	S	S	S	S	S	S
500 to 749 lb	43	23	5	S	S	S	S	S	S	1	—	—
750 to 999 lb	31	S	S	2	1	—	S	S	S	S	S	S
1,000 to 9,999 lb	499	312	59	167	87	37	83	33	24	37	15	16
10,000 to 49,999 lb	1 484	1 197	245	1 396	1 088	455	958	593	459	412	251	260
50,000 to 99,999 lb	78	307	57	9	30	12	S	S	S	S	S	S
100,000 lb or more	S	92	20	48	171	80	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	11 043	8 729	1 744	4 567	3 353	1 398	3 345	2 105	1 611	2 145	1 354	1 372
Less than 50 lb	17	1	—	7	1	—	\$	1	—	\$	\$	\$
50 to 99 lb	\$	2	—	13	1	—	\$	\$	\$	\$	1	1
100 to 499 lb	353	51	10	87	13	6	107	9	7	40	5	5
500 to 749 lb	78	25	5	\$	13	6	\$	8	6	\$	\$	\$
750 to 999 lb	110	39	7	34	6	2	31	6	5	45	9	9
1,000 to 9,999 lb	2 847	1 223	227	1 163	308	128	533	144	109	182	55	56
10,000 to 49,999 lb	7 440	7 031	1 417	3 128	2 969	1 235	2 534	1 896	1 451	1 746	1 264	1 279
50,000 to 99,999 lb	131	300	61	\$	30	\$	20	24	18	\$	\$	\$
100,000 lb or more	\$	\$	\$	\$	\$	\$	\$	\$	\$	—	—	—
SCTG 08, Alcoholic beverages	1 177	1 680	389	990	1 369	593	942	1 098	840	501	577	575
Less than 50 lb	\$	\$	\$	\$	\$	\$	—	—	—	\$	\$	\$
50 to 99 lb	\$	\$	\$	\$	\$	\$	\$	\$	—	\$	—	—
100 to 499 lb	12	3	1	\$	\$	\$	\$	\$	\$	—	—	—
500 to 749 lb	\$	1	\$	\$	\$	\$	\$	\$	\$	—	—	—
750 to 999 lb	\$	\$	\$	—	—	—	—	—	—	\$	\$	\$
1,000 to 9,999 lb	8	10	3	\$	\$	\$	\$	4	3	\$	\$	\$
10,000 to 49,999 lb	1 065	1 541	350	865	1 235	506	936	1 094	837	483	569	567
50,000 to 99,999 lb	64	101	29	\$	\$	\$	—	—	—	—	—	—
100,000 lb or more	\$	\$	\$	\$	\$	\$	—	—	—	—	—	—
SCTG 09, Tobacco products	356	17	3	117	\$	\$	67	4	\$	57	2	2
Less than 50 lb	37	—	—	\$	—	—	7	—	—	\$	—	—
50 to 99 lb	5	—	—	\$	\$	\$	\$	—	\$	\$	—	\$
100 to 499 lb	\$	2	—	31	1	1	22	1	1	17	1	1
500 to 749 lb	22	2	—	\$	\$	\$	\$	\$	\$	\$	\$	\$
750 to 999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	—	—	—
1,000 to 9,999 lb	195	7	1	\$	1	—	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	7	5	1	\$	\$	\$	\$	\$	\$	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	\$	\$	\$	\$	\$	\$	4	20	14	\$	\$	\$
Less than 50 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
50 to 99 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	—	—	—
100 to 499 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
500 to 749 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	\$	1	—	\$	\$	\$	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	\$	\$	\$	\$	\$	\$	4	16	11	\$	\$	\$
50,000 to 99,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	\$	1 794	360	\$	\$	\$	\$	\$	\$	\$	\$	\$
Less than 50 lb	\$	\$	\$	—	—	—	\$	\$	\$	—	—	—
50 to 99 lb	—	—	—	\$	\$	\$	\$	\$	—	—	—	—
100 to 499 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	—	—	—
500 to 749 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
750 to 999 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	\$	6	2	\$	\$	\$	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
50,000 to 99,999 lb	\$	319	55	\$	\$	\$	—	—	—	\$	\$	\$
100,000 lb or more	\$	\$	200	\$	\$	\$	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	38	3 617	636	11	\$	313	\$	\$	\$	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	\$	\$	\$	\$	\$	\$	—	—	—	—	—	—
500 to 749 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
750 to 999 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	\$	\$	\$	\$	\$	\$	—	—	—	—	—	—
10,000 to 49,999 lb	26	2 780	477	\$	\$	\$	\$	\$	\$	—	—	—
50,000 to 99,999 lb	10	724	124	\$	47	\$	\$	\$	\$	—	—	—
100,000 lb or more	\$	\$	\$	\$	\$	\$	\$	\$	\$	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	181	3 083	642	\$	\$	\$	51	210	157	22	\$	\$
Less than 50 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
50 to 99 lb	\$	\$	\$	\$	\$	\$	—	—	—	\$	\$	\$
100 to 499 lb	\$	—	—	\$	\$	\$	\$	\$	\$	\$	\$	\$
500 to 749 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
750 to 999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	—	—	—
1,000 to 9,999 lb	\$	62	11	\$	\$	\$	\$	6	4	\$	\$	\$
10,000 to 49,999 lb	100	1 261	277	\$	\$	\$	38	156	113	\$	\$	\$
50,000 to 99,999 lb	22	1 386	258	\$	\$	\$	—	—	—	—	—	—
100,000 lb or more	4	\$	\$	\$	\$	\$	\$	\$	\$	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	206	282	80	290	371	171	28	29	21	38	32	32
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	13	4	2	5	2	1	S	1	1
10,000 to 49,999 lb	106	248	73	S	86	36	17	21	15	17	28	28
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	70	204	100	—	—	—	S	S	S
SCTG 15, Coal	741	27 584	9 441	224	8 307	5 219	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	81	1 554	321	29	558	222	10	114	S	S	S	S
50,000 to 99,999 lb	S	648	145	S	S	S	S	S	S	—	—	—
100,000 lb or more	636	25 380	8 975	190	7 664	4 969	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	807	3 807	774	9	38	14	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	81	14	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	105	476	81	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	190	921	171	7	29	11	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	740	S	878	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	1	1	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	44	52	9	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	70	405	83	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	923	5 107	991	615	1 485	646	106	172	145	63	58	S
Less than 50 lb	1	S	S	1	—	—	—	S	S	S	S	S
50 to 99 lb	S	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	5	2	—	10	2	1	5	1	3	3	1	1
500 to 749 lb	S	1	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	2	1	—	S	1	S	3	1	1	S	S	S
1,000 to 9,999 lb	28	29	6	46	17	8	15	9	7	S	S	S
10,000 to 49,999 lb	325	1 522	285	S	740	293	51	65	52	7	9	9
50,000 to 99,999 lb	59	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	498	3 159	626	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	3 386	2 114	434	2 248	1 891	894	1 898	1 128	910	710	248	253
Less than 50 lb	159	S	S	S	S	S	104	1	1	67	1	1
50 to 99 lb	26	1	—	14	1	—	S	1	1	S	S	S
100 to 499 lb	S	17	3	S	15	7	62	5	4	39	3	3
500 to 749 lb	71	8	2	43	7	3	37	S	S	13	2	2
750 to 999 lb	16	4	1	S	5	2	57	4	3	S	S	S
1,000 to 9,999 lb	S	255	54	478	110	45	459	91	70	161	S	S
10,000 to 49,999 lb	925	1 342	256	977	927	382	891	447	337	291	156	161
50,000 to 99,999 lb	S	S	3	S	S	4	29	14	11	S	S	S
100,000 lb or more	97	465	114	256	811	448	211	561	480	S	S	S
SCTG 21, Pharmaceutical products	9 229	163	35	4 818	199	88	4 593	129	99	5 500	115	121
Less than 50 lb	3 289	19	4	2 837	13	6	1 845	10	8	1 070	9	10
50 to 99 lb	994	5	1	128	2	1	217	S	S	144	3	3
100 to 499 lb	1 669	18	4	946	16	7	328	S	S	397	6	6
500 to 749 lb	S	8	1	S	2	1	S	1	1	S	S	S
750 to 999 lb	278	6	1	40	3	1	27	1	1	S	S	S
1,000 to 9,999 lb	1 683	49	11	392	39	17	582	23	17	96	9	9
10,000 to 49,999 lb	501	55	12	326	101	43	1 530	65	51	763	68	71
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	S	S	S	S	S	S	32	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	4	S	1	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	44	61	12	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	16	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	5 389	1 329	279	5 187	1 297	584	5 388	797	608	3 097	409	413
Less than 50 lb	320	11	2	532	9	4	503	7	5	193	5	6
50 to 99 lb	102	6	1	124	6	3	S	4	3	44	2	2
100 to 499 lb	667	41	10	S	43	18	S	22	16	S	12	13
500 to 749 lb	275	33	7	S	17	8	69	10	7	20	4	4
750 to 999 lb	S	15	3	S	35	15	S	19	14	40	3	3
1,000 to 9,999 lb	S	244	54	1 205	201	87	S	169	126	1 575	113	114
10,000 to 49,999 lb	809	653	130	1 268	849	390	985	455	344	390	228	226
50,000 to 99,999 lb	S	S	S	33	22	10	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	113	50	S	S	92	S	S	S
SCTG 24, Plastics and rubber	5 728	2 055	463	5 154	1 767	773	4 499	1 528	1 136	1 948	637	645
Less than 50 lb	440	11	2	461	11	5	268	8	6	140	4	4
50 to 99 lb	168	9	2	132	6	3	57	4	3	33	3	3
100 to 499 lb	449	50	11	492	41	18	314	32	24	200	22	23
500 to 749 lb	174	30	6	181	20	9	178	24	19	84	10	10
750 to 999 lb	113	21	4	105	20	9	113	14	10	76	10	10
1,000 to 9,999 lb	2 097	660	143	1 707	427	188	1 566	466	342	544	146	146
10,000 to 49,999 lb	2 200	1 149	257	1 960	1 121	479	1 899	891	660	791	381	379
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	41	S	S
100,000 lb or more	S	S	S	S	110	59	66	66	52	S	S	S
SCTG 25, Logs and other wood in the rough	S	338	68	54	181	81	S	16	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	119	26	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	11	S	19	12	S	45	S	S	S	—	—	—
SCTG 26, Wood products ..	1 605	2 375	478	655	732	332	389	S	S	139	142	140
Less than 50 lb	31	2	—	6	1	—	S	S	S	2	—	—
50 to 99 lb	13	2	—	S	S	S	1	—	—	1	—	—
100 to 499 lb	S	18	3	36	6	3	13	3	2	21	4	4
500 to 749 lb	31	6	1	S	3	1	6	S	S	2	—	—
750 to 999 lb	18	4	1	S	S	S	S	S	S	3	S	S
1,000 to 9,999 lb	315	123	24	153	54	25	40	13	9	44	15	15
10,000 to 49,999 lb	890	1 776	359	379	519	230	142	153	113	66	78	79
50,000 to 99,999 lb	96	268	52	S	S	31	S	S	S	S	S	S
100,000 lb or more	22	S	S	S	S	S	S	S	S	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard ...	2 771	2 749	588	2 214	2 353	1 033	1 317	1 537	1 182	788	843	910
Less than 50 lb	8	1	—	4	—	—	2	—	—	S	S	—
50 to 99 lb	7	1	—	2	S	S	S	S	S	—	—	—
100 to 499 lb	30	9	2	25	4	2	10	2	2	S	1	1
500 to 749 lb	11	4	1	8	2	1	3	1	1	S	S	S
750 to 999 lb	17	5	1	13	3	1	S	3	2	S	S	S
1,000 to 9,999 lb	402	184	38	247	115	50	146	67	49	83	32	32
10,000 to 49,999 lb	2 249	2 455	521	1 776	2 051	887	1 065	1 320	1 001	467	475	489
50,000 to 99,999 lb	26	57	14	31	55	25	S	S	S	S	S	S
100,000 lb or more	21	33	11	110	122	67	61	97	88	211	325	377
SCTG 28, Paper or paperboard articles	2 326	1 499	305	1 663	691	294	1 133	708	530	470	216	217
Less than 50 lb	98	6	1	66	5	2	61	3	3	33	2	2
50 to 99 lb	22	3	1	S	2	1	7	1	1	3	—	—
100 to 499 lb	92	22	4	111	15	7	86	7	5	16	3	3
500 to 749 lb	27	9	2	S	4	2	S	S	S	S	1	1
750 to 999 lb	49	16	3	S	S	S	7	3	2	7	2	2
1,000 to 9,999 lb	611	305	61	477	118	51	166	54	40	117	45	45
10,000 to 49,999 lb	1 420	1 112	228	916	538	229	692	421	307	280	159	160
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	S	2 188	497	7 103	912	406	5 186	824	642	3 982	339	343
Less than 50 lb	1 964	59	13	964	29	13	738	23	18	840	21	21
50 to 99 lb	418	19	S	422	18	8	532	17	12	S	S	S
100 to 499 lb	S	216	45	S	S	S	S	42	30	S	S	S
500 to 749 lb	S	S	S	S	11	4	S	S	S	S	S	S
750 to 999 lb	97	22	4	S	S	S	S	S	S	25	5	5
1,000 to 9,999 lb	S	S	S	S	268	121	S	190	153	514	72	75
10,000 to 49,999 lb	978	783	158	759	423	186	370	337	S	389	99	100
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	7 209	506	108	6 337	486	225	6 287	395	295	4 263	203	201
Less than 50 lb	1 486	39	8	1 350	39	18	1 588	41	31	994	26	27
50 to 99 lb	344	18	4	223	10	4	318	10	8	S	S	S
100 to 499 lb	1 086	49	11	876	46	21	862	38	29	S	S	S
500 to 749 lb	548	24	5	260	10	5	331	13	10	169	9	9
750 to 999 lb	309	11	2	S	12	6	144	8	5	88	6	6
1,000 to 9,999 lb	2 481	154	31	1 663	119	53	2 275	124	91	864	40	40
10,000 to 49,999 lb	938	207	46	1 530	250	119	586	113	83	196	32	32
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	2 931	8 078	1 570	2 317	2 906	1 243	1 466	1 055	780	559	316	326
Less than 50 lb	S	3	1	S	S	S	47	2	2	25	2	2
50 to 99 lb	22	2	—	30	2	1	21	S	S	17	S	S
100 to 499 lb	162	22	4	214	15	6	109	14	11	89	5	5
500 to 749 lb	30	7	1	28	5	2	15	3	2	8	S	S
750 to 999 lb	14	3	1	S	6	2	S	S	S	S	1	1
1,000 to 9,999 lb	479	305	70	313	132	56	352	89	70	225	71	72
10,000 to 49,999 lb	1 889	4 879	990	1 455	2 395	1 028	793	725	530	166	204	211
50,000 to 99,999 lb	166	2 426	414	29	204	83	7	65	47	S	S	S
100,000 lb or more	74	430	89	63	141	61	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	8 086	6 134	1 437	10 961	6 409	2 995	5 871	3 265	2 519	2 264	1 282	1 294
Less than 50 lb	177	5	1	141	4	2	83	1	1	59	1	1
50 to 99 lb	83	6	2	45	3	2	30	2	1	36	1	1
100 to 499 lb	344	33	6	243	22	10	246	13	10	126	12	13
500 to 749 lb	94	14	3	105	13	6	66	5	4	22	4	4
750 to 999 lb	79	16	3	73	10	4	S	4	3	40	5	5
1,000 to 9,999 lb	1 464	434	93	1 396	341	150	875	168	120	436	79	82
10,000 to 49,999 lb	4 560	3 667	787	7 673	4 560	2 038	3 997	2 367	1 744	1 256	736	733
50,000 to 99,999 lb	525	607	129	S	366	152	168	149	S	S	S	S
100,000 lb or more	762	1 353	412	S	1 090	632	S	S	S	252	338	356
SCTG 33, Articles of base metal	4 835	3 320	767	4 052	2 165	939	1 919	727	546	1 320	381	410
Less than 50 lb	694	15	3	378	9	4	263	6	5	181	4	4
50 to 99 lb	173	13	3	130	7	3	95	5	4	56	3	4
100 to 499 lb	426	47	10	368	38	17	256	23	17	183	15	15
500 to 749 lb	236	27	6	123	13	5	96	11	8	31	6	6
750 to 999 lb	115	23	5	106	11	5	33	6	4	37	4	5
1,000 to 9,999 lb	1 122	499	104	1 043	356	151	442	154	112	495	65	68
10,000 to 49,999 lb	1 759	2 053	417	1 672	1 403	597	665	399	292	278	215	220
50,000 to 99,999 lb	54	67	14	S	S	S	28	51	40	S	S	S
100,000 lb or more	S	S	S	159	S	106	S	S	S	57	S	S
SCTG 34, Machinery	7 272	729	153	7 167	709	275	4 033	371	276	2 710	162	167
Less than 50 lb	683	12	3	664	9	4	532	7	5	253	3	3
50 to 99 lb	265	8	2	213	4	2	197	3	3	160	4	4
100 to 499 lb	826	35	8	727	25	11	483	18	14	382	14	16
500 to 749 lb	739	36	8	189	14	6	182	9	7	131	5	5
750 to 999 lb	313	21	5	130	10	4	99	8	6	36	2	2
1,000 to 9,999 lb	1 734	189	42	2 185	143	57	1 057	84	63	872	57	60
10,000 to 49,999 lb	1 969	335	73	2 751	427	159	1 303	214	156	S	70	68
50,000 to 99,999 lb	S	73	9	174	47	18	71	S	S	S	S	S
100,000 lb or more	S	21	4	S	29	13	S	11	8	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	14 147	590	126	9 621	658	280	11 673	684	531	5 152	223	232
Less than 50 lb	4 201	29	6	2 744	21	10	2 124	17	13	1 396	9	9
50 to 99 lb	892	13	3	715	12	5	502	8	6	346	4	4
100 to 499 lb	2 497	51	11	1 558	44	19	1 461	36	28	1 378	29	32
500 to 749 lb	621	22	5	505	16	7	355	14	11	263	7	8
750 to 999 lb	S	21	5	242	13	6	211	7	6	182	6	6
1,000 to 9,999 lb	2 797	184	39	2 290	138	61	1 905	136	103	1 293	76	79
10,000 to 49,999 lb	1 892	264	56	1 542	394	164	5 074	462	362	295	92	94
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	5 307	784	170	7 138	1 266	586	3 700	606	444	1 448	234	253
Less than 50 lb	557	22	5	206	7	3	230	7	6	164	5	5
50 to 99 lb	210	16	3	88	5	2	76	6	5	22	1	2
100 to 499 lb	726	52	11	489	32	13	145	9	8	262	18	19
500 to 749 lb	219	16	3	96	8	3	3	3	2	34	1	1
750 to 999 lb	117	12	2	S	S	S	20	2	1	S	S	S
1,000 to 9,999 lb	1 518	226	43	1 096	141	60	691	118	88	271	41	43
10,000 to 49,999 lb	1 832	415	97	3 052	786	340	1 318	290	208	614	157	172
50,000 to 99,999 lb	S	S	S	S	83	S	S	53	39	S	S	9
100,000 lb or more	S	S	S	S	193	108	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	1 055	126	29	929	S	S	560	S	S	575	39	41
Less than 50 lb	319	1	—	302	1	—	75	—	—	183	—	—
50 to 99 lb	58	S	S	28	—	—	S	S	S	—	—	—
100 to 499 lb	S	1	—	S	2	1	S	S	S	69	1	1
500 to 749 lb	S	1	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	—	S	—	—	S	—	—	S	S	S
1,000 to 9,999 lb	S	19	4	100	17	7	41	5	4	78	S	S
10,000 to 49,999 lb	114	59	14	117	63	29	S	S	S	47	11	12
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	2 630	44	10	3 675	62	28	3 019	37	27	1 384	18	19
Less than 50 lb	1 551	10	2	1 911	10	5	1 570	10	7	844	6	6
50 to 99 lb	233	4	1	422	5	2	511	3	2	125	2	2
100 to 499 lb	432	12	3	559	11	5	506	11	8	247	6	6
500 to 749 lb	S	S	1	123	3	1	39	2	1	S	S	S
750 to 999 lb	32	S	S	108	2	S	S	1	1	S	S	S
1,000 to 9,999 lb	228	7	2	390	15	7	329	10	7	S	S	S
10,000 to 49,999 lb	107	S	S	S	S	S	8	1	1	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	1 905	317	60	1 088	152	68	473	84	65	515	92	95
Less than 50 lb	84	S	S	31	2	1	36	2	2	19	1	1
50 to 99 lb	46	3	1	20	1	1	20	2	1	6	1	1
100 to 499 lb	343	31	6	136	18	8	101	14	10	67	9	9
500 to 749 lb	80	12	2	38	5	2	71	9	6	44	7	7
750 to 999 lb	61	9	2	52	6	3	9	1	1	21	2	2
1,000 to 9,999 lb	648	121	24	387	62	27	173	39	31	247	44	44
10,000 to 49,999 lb	640	130	22	424	58	26	65	18	14	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products	9 613	1 533	314	7 702	923	419	7 224	820	615	3 763	421	424
Less than 50 lb	3 550	51	10	3 624	45	21	3 079	73	52	1 768	S	S
50 to 99 lb	326	16	3	327	13	6	348	13	10	139	9	9
100 to 499 lb	934	67	14	1 004	66	30	813	48	36	463	34	35
500 to 749 lb	287	24	5	239	26	11	154	17	12	124	13	13
750 to 999 lb	201	24	5	227	18	9	179	17	12	70	6	7
1,000 to 9,999 lb	1 579	290	63	1 074	219	98	1 427	179	133	879	134	133
10,000 to 49,999 lb	2 453	966	193	1 159	503	231	1 170	432	328	319	143	147
50,000 to 99,999 lb	83	76	16	41	28	12	S	S	S	—	—	—
100,000 lb or more	S	19	4	S	S	S	—	—	—	—	—	—
SCTG 41, Waste and scrap	811	2 769	578	682	2 219	972	293	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	—	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	2	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	11	5	2	16	2	2	S	S	S
10,000 to 49,999 lb	704	2 054	412	490	953	396	131	182	130	38	42	42
50,000 to 99,999 lb	32	161	28	18	56	25	S	S	S	—	—	—
100,000 lb or more	68	548	137	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	3 793	1 575	288	990	444	184	692	221	168	S	72	75
Less than 50 lb	232	21	4	82	7	3	S	S	S	S	S	S
50 to 99 lb	68	12	2	19	3	1	S	—	—	S	S	S
100 to 499 lb	196	43	8	64	S	10	99	8	6	S	S	S
500 to 749 lb	S	S	S	25	4	1	S	S	S	S	S	S
750 to 999 lb	65	17	3	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	1 182	520	92	182	82	34	S	24	18	S	19	20
10,000 to 49,999 lb	1 851	888	166	607	322	132	307	186	143	S	48	50
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	679	145	32	412	125	54	390	98	74	272	76	78
Less than 50 lb	86	1	—	101	S	S	12	—	—	S	S	S
50 to 99 lb	11	1	—	S	—	—	S	S	S	S	S	S
100 to 499 lb	32	4	1	13	1	1	S	1	1	S	1	1
500 to 749 lb	S	S	S	5	1	—	S	S	S	S	S	S
750 to 999 lb	S	1	—	S	S	S	S	—	—	S	S	S
1,000 to 9,999 lb	286	44	11	114	24	11	S	S	S	76	S	S
10,000 to 49,999 lb	237	91	19	148	92	39	241	66	50	130	65	67
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	52 433	14 718	20 942	15 857	2 138	4 225	51 694	7 350	20 444
Less than 50 lb	12 619	176	242	4 634	50	97	14 399	206	575
50 to 99 lb	2 883	95	133	949	29	58	2 948	74	206
100 to 499 lb	9 228	331	461	2 198	81	158	8 728	316	888
500 to 749 lb	1 925	132	187	S	31	61	1 797	123	338
750 to 999 lb	1 066	81	111	459	31	61	S	S	S
1,000 to 9,999 lb	10 067	1 397	1 921	3 368	338	648	10 831	1 396	3 701
10,000 to 49,999 lb	11 317	5 555	7 807	2 704	1 218	2 411	8 997	3 762	10 426
50,000 to 99,999 lb	805	558	826	77	78	165	443	503	1 331
100,000 lb or more	2 523	6 392	9 255	S	282	566	779	794	2 504
SCTG 01, Live animals and live fish	S	S	S	S	S	S	-	-	-
Less than 50 lb	-	-	-	-	-	-	-	-	-
50 to 99 lb	-	-	-	S	S	S	-	-	-
100 to 499 lb	-	-	-	-	-	-	-	-	-
500 to 749 lb	-	-	-	-	-	-	-	-	-
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	S	S	S	-	-	-	-	-	-
10,000 to 49,999 lb	S	S	S	-	-	-	-	-	-
50,000 to 99,999 lb	S	S	S	-	-	-	-	-	-
100,000 lb or more	-	-	-	-	-	-	-	-	-
SCTG 02, Cereal grains	S	S	S	-	-	-	S	S	S
Less than 50 lb	-	-	-	-	-	-	-	-	-
50 to 99 lb	-	-	-	-	-	-	-	-	-
100 to 499 lb	-	-	-	-	-	-	-	-	-
500 to 749 lb	-	-	-	-	-	-	-	-	-
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	-	-	-	-	-	-	-	-	-
10,000 to 49,999 lb	S	S	S	-	-	-	S	S	S
50,000 to 99,999 lb	-	-	-	-	-	-	-	-	-
100,000 lb or more	S	S	S	-	-	-	-	-	-
SCTG 03, Other agricultural products	71	41	56	7	S	S	S	S	S
Less than 50 lb	3	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	-	-	-	-	-	-
1,000 to 9,999 lb	14	7	9	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	-	-	-	-	-	-	-	-	-
100,000 lb or more	S	S	S	-	-	-	-	-	-
SCTG 04, Animal feed and products of animal origin, n.e.c.	62	62	85	S	S	S	S	72	213
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	-	-	-
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	-	-	-
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	31	49	69	S	S	S	S	40	114
50,000 to 99,999 lb	S	S	S	-	-	-	S	S	S
100,000 lb or more	-	-	-	-	-	-	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	662	277	400	190	89	165	330	105	289
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	2	1	1	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	5	1	2	S	S	S	S	S	S
1,000 to 9,999 lb	100	32	46	19	8	14	60	14	39
10,000 to 49,999 lb	511	232	338	S	S	S	247	86	238
50,000 to 99,999 lb	-	-	-	-	-	-	S	S	S
100,000 lb or more	S	S	S	-	-	-	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	526	349	504	S	52	102	534	409	1 150
Less than 50 lb	S	S	S	S	S	S	3	-	1
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	-	-	-	S	S	S
750 to 999 lb	S	S	S	S	S	S	1	-	1
1,000 to 9,999 lb	38	17	23	7	3	5	39	18	S
10,000 to 49,999 lb	474	314	452	S	49	97	438	286	795
50,000 to 99,999 lb	S	S	S	-	-	-	S	S	S
100,000 lb or more	S	S	S	-	-	-	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	1 941	1 083	1 451	351	138	278	1 281	601	1 679
Less than 50 lb	S	S	S	S	S	S	12	S	S
50 to 99 lb	S	S	S	S	S	S	S	—	1
100 to 499 lb	35	S	S	4	1	1	69	5	13
500 to 749 lb	16	4	5	S	1	1	23	4	11
750 to 999 lb	S	S	S	S	1	3	38	6	15
1,000 to 9,999 lb	317	110	145	45	12	24	S	59	163
10,000 to 49,999 lb	1 442	928	1 248	286	120	243	802	482	1 343
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 08, Alcoholic beverages	283	354	510	S	10	20	113	89	260
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	6	5	7	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	360	S	9	17	77	83	241
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 09, Tobacco products	73	3	4	S	S	S	S	S	S
Less than 50 lb	S	—	—	S	—	—	S	—	—
50 to 99 lb	S	—	—	—	—	—	S	S	S
100 to 499 lb	S	1	2	S	S	S	S	S	S
500 to 749 lb	18	1	1	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	S	S	S	S	S	S	S	23	64
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	1	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	21	59
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	17	14	19	2	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	12	8	11	2	S	S	37	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 15, Coal	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	177	S	S	S	S	S	39	17	45
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	—	1	S	S	S	S	1	3
500 to 749 lb	—	—	—	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	16	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	3	6	14
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	1 259	S	2 173	183	S	S	728	159	443
Less than 50 lb	125	S	S	15	S	S	178	1	3
50 to 99 lb	S	1	1	S	S	S	62	S	2
100 to 499 lb	S	S	S	17	1	2	76	3	10
500 to 749 lb	9	1	1	—	—	1	12	2	4
750 to 999 lb	5	1	1	S	S	S	8	2	6
1,000 to 9,999 lb	149	38	55	57	9	17	190	24	67
10,000 to 49,999 lb	345	207	302	73	S	S	163	75	202
50,000 to 99,999 lb	40	10	16	S	S	S	S	S	S
100,000 lb or more	386	S	S	—	—	—	38	45	132
SCTG 21, Pharmaceutical products	3 350	79	107	1 866	8	15	3 728	76	208
Less than 50 lb	1 390	10	14	S	3	6	1 594	12	33
50 to 99 lb	469	S	S	S	—	1	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	6	17
500 to 749 lb	48	2	3	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	2	5
1,000 to 9,999 lb	136	10	13	S	S	S	249	S	S
10,000 to 49,999 lb	105	S	S	S	S	S	643	26	68
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	2 422	510	718	S	64	125	3 535	438	1 114
Less than 50 lb	288	6	8	91	2	4	329	5	14
50 to 99 lb	125	4	6	S	S	S	S	4	10
100 to 499 lb	S	14	19	97	7	13	S	14	34
500 to 749 lb	69	6	8	S	S	S	S	4	10
750 to 999 lb	S	7	10	65	6	12	67	3	9
1,000 to 9,999 lb	464	70	90	83	18	34	S	159	342
10,000 to 49,999 lb	385	155	214	48	25	47	469	162	453
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	212	230	333	—	—	—	S	S	S
SCTG 24, Plastics and rubber	2 745	1 026	1 621	579	162	316	2 533	928	2 802
Less than 50 lb	249	6	9	57	2	4	186	5	13
50 to 99 lb	76	5	6	24	1	2	66	5	13
100 to 499 lb	285	31	43	49	5	10	287	22	60
500 to 749 lb	83	13	18	20	S	S	90	8	23
750 to 999 lb	43	6	8	8	3	5	42	7	20
1,000 to 9,999 lb	818	147	204	169	31	60	828	154	421
10,000 to 49,999 lb	848	419	600	185	79	151	800	435	1 203
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 26, Wood products	267	398	500	S	S	S	156	130	357
Less than 50 lb	S	—	—	S	—	—	1	—	—
50 to 99 lb	4	1	1	S	S	S	S	S	S
100 to 499 lb	10	S	S	4	S	S	14	2	5
500 to 749 lb	2	1	1	S	S	S	2	S	S
750 to 999 lb	S	S	S	S	S	S	2	—	1
1,000 to 9,999 lb	29	9	12	S	S	S	23	3	7
10,000 to 49,999 lb	51	41	60	S	S	S	87	67	186
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	642	565	777	182	90	173	384	357	1 013
Less than 50 lb	S	S	S	1	S	S	S	S	S
50 to 99 lb	1	S	S	S	S	S	S	S	S
100 to 499 lb	S	1	2	1	S	S	7	1	2
500 to 749 lb	S	S	S	S	S	S	3	—	1
750 to 999 lb	2	1	1	S	S	S	S	S	S
1,000 to 9,999 lb	83	44	59	11	5	10	29	15	41
10,000 to 49,999 lb	435	470	649	158	76	143	258	229	639
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	71	105	307
SCTG 28, Paper or paperboard articles	290	116	162	95	S	S	212	88	244
Less than 50 lb	45	3	4	9	1	1	35	2	5
50 to 99 lb	9	1	1	S	—	1	3	1	1
100 to 499 lb	S	5	6	3	1	1	7	2	4
500 to 749 lb	6	1	2	1	—	—	S	2	5
750 to 999 lb	4	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	44	16	23	20	5	10	66	19	54
10,000 to 49,999 lb	135	86	121	S	S	S	87	63	174
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	2 417	256	346	S	S	S	S	734	2 026
Less than 50 lb	895	29	40	267	9	17	1 373	42	116
50 to 99 lb	S	S	S	S	S	S	192	S	S
100 to 499 lb	S	S	S	28	2	5	S	S	S
500 to 749 lb	S	14	20	S	2	3	S	S	S
750 to 999 lb	40	7	10	S	S	S	S	S	S
1,000 to 9,999 lb	352	66	87	S	S	S	S	S	S
10,000 to 49,999 lb	235	87	114	22	7	13	361	214	612
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	6 089	375	527	1 158	52	102	4 663	213	589
Less than 50 lb	1 704	46	62	491	11	20	1 233	32	92
50 to 99 lb	S	S	S	S	S	S	297	10	28
100 to 499 lb	948	40	54	188	9	17	948	38	107
500 to 749 lb	188	11	15	23	1	2	192	11	30
750 to 999 lb	124	7	9	S	S	S	298	10	27
1,000 to 9,999 lb	2 028	179	258	294	22	43	1 513	90	246
10,000 to 49,999 lb	421	59	82	S	S	S	178	21	56
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	620	368	531	281	264	533	663	442	1 171
Less than 50 lb	48	2	3	S	S	S	115	S	S
50 to 99 lb	19	2	2	S	—	1	20	1	3
100 to 499 lb	67	7	10	22	S	S	71	5	15
500 to 749 lb	7	1	2	9	1	1	S	3	7
750 to 999 lb	4	1	1	S	1	2	10	1	3
1,000 to 9,999 lb	243	105	141	39	13	26	173	53	144
10,000 to 49,999 lb	215	206	300	99	84	164	211	239	643
50,000 to 99,999 lb	S	S	S	S	S	S	37	S	S
100,000 lb or more	S	35	60	24	S	S	5	5	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	1 902	1 182	1 820	311	122	243	1 762	526	1 419
Less than 50 lb	46	1	1	17	S	S	57	S	S
50 to 99 lb	21	1	2	8	—	1	28	1	2
100 to 499 lb	73	7	9	16	1	3	S	8	21
500 to 749 lb	18	2	3	S	—	1	S	2	5
750 to 999 lb	16	2	3	11	1	2	40	4	11
1,000 to 9,999 lb	269	85	118	57	13	24	427	65	178
10,000 to 49,999 lb	1 211	736	1 084	178	82	159	979	328	890
50,000 to 99,999 lb	S	S	S	S	S	S	S	95	238
100,000 lb or more	207	305	516	S	S	S	S	S	S
SCTG 33, Articles of base metal	1 412	491	704	472	S	S	1 481	339	914
Less than 50 lb	214	5	7	S	1	2	372	S	S
50 to 99 lb	62	3	4	S	S	S	115	4	11
100 to 499 lb	184	17	24	44	3	6	127	13	35
500 to 749 lb	48	8	11	14	3	6	19	3	8
750 to 999 lb	39	7	10	S	S	S	15	2	6
1,000 to 9,999 lb	371	95	133	96	24	47	517	130	356
10,000 to 49,999 lb	389	205	284	52	14	29	289	112	299
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 34, Machinery	3 667	269	381	1 133	84	158	2 395	124	350
Less than 50 lb	431	4	6	78	1	2	460	4	11
50 to 99 lb	126	2	3	34	1	1	169	2	6
100 to 499 lb	416	15	21	163	6	12	337	9	25
500 to 749 lb	S	S	S	66	2	4	134	5	14
750 to 999 lb	108	5	7	86	5	11	32	2	4
1,000 to 9,999 lb	827	61	85	373	16	31	613	36	103
10,000 to 49,999 lb	997	132	187	307	46	85	505	50	142
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	8 700	262	366	1 920	92	186	8 926	292	805
Less than 50 lb	1 955	14	19	722	5	9	3 547	21	57
50 to 99 lb	399	8	11	184	2	4	644	7	20
100 to 499 lb	2 543	34	49	200	5	9	2 105	27	73
500 to 749 lb	284	9	12	S	S	S	S	8	21
750 to 999 lb	153	5	7	S	S	S	S	6	17
1,000 to 9,999 lb	2 192	85	117	209	17	31	1 046	83	222
10,000 to 49,999 lb	1 172	106	150	329	59	123	700	128	358
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	1 537	281	396	384	58	114	1 113	82	228
Less than 50 lb	261	6	8	56	2	3	210	S	S
50 to 99 lb	25	2	2	6	S	S	28	2	4
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	1	1	S	S	S	26	3	7
750 to 999 lb	12	1	2	—	—	—	S	S	S
1,000 to 9,999 lb	309	38	51	64	10	20	210	18	50
10,000 to 49,999 lb	589	191	267	202	42	83	287	28	77
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 37, Transportation equipment, n.e.c.	1 318	172	271	S	S	S	879	S	S
Less than 50 lb	441	1	S	26	—	—	363	S	S
50 to 99 lb	45	S	S	S	S	S	49	—	1
100 to 499 lb	S	S	S	S	—	—	296	2	6
500 to 749 lb	17	S	S	S	S	S	S	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	41	2	3	S	S	S	68	S	7
10,000 to 49,999 lb	63	22	30	S	S	S	65	S	S
50,000 to 99,999 lb	139	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	2 209	25	36	873	12	23	2 688	46	126
Less than 50 lb	1 399	7	10	427	2	5	1 525	8	22
50 to 99 lb	264	2	3	S	1	2	252	3	7
100 to 499 lb	346	9	12	223	S	S	525	11	32
500 to 749 lb	47	S	S	S	S	S	S	S	S
750 to 999 lb	S	1	1	S	S	S	S	S	S
1,000 to 9,999 lb	84	2	3	S	S	S	236	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	448	60	83	161	22	40	463	71	197
Less than 50 lb	S	1	1	2	—	—	S	2	6
50 to 99 lb	S	1	1	9	1	2	17	2	6
100 to 499 lb	123	13	17	28	4	7	132	12	33
500 to 749 lb	72	10	14	S	S	S	38	6	17
750 to 999 lb	S	1	2	6	1	1	9	1	2
1,000 to 9,999 lb	173	27	38	48	S	S	165	28	77
10,000 to 49,999 lb	S	S	S	S	S	S	69	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products	5 810	489	682	2 111	119	235	5 191	368	1 012
Less than 50 lb	2 914	27	37	1 219	8	16	2 708	35	96
50 to 99 lb	257	10	14	92	S	S	272	14	39
100 to 499 lb	812	43	58	282	19	38	501	30	84
500 to 749 lb	247	15	21	54	6	11	174	14	39
750 to 999 lb	S	9	13	21	2	4	189	12	32
1,000 to 9,999 lb	812	95	132	305	32	65	851	112	299
10,000 to 49,999 lb	632	285	399	137	46	88	461	136	375
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 41, Waste and scrap	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	1	1	S	S	S	S	S	S
10,000 to 49,999 lb	12	S	S	—	—	—	4	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 43, Mixed freight	368	138	193	34	S	S	S	105	282
Less than 50 lb	13	S	S	S	S	S	8	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	61	6	8	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	100	33	44	S	S	S	80	25	69
10,000 to 49,999 lb	97	68	97	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	201	27	37	S	S	S	266	S	S
Less than 50 lb	71	—	1	S	S	S	40	1	2
50 to 99 lb	S	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	1	3
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	39	S	S
10,000 to 49,999 lb	35	16	22	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in

1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

Item	1993	1997
1. Industry coverage	Manufacturers (minor exceptions) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses Auxiliaries (e.g., warehouses)
2. Commodity classification system	Standard Transportation Commodity Classification (STCC), developed by the American Association of Railroads (AAR).	Standard Classification of Transported Goods (SCTG).
3. Sample size	Approximately 200,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1992 Standard Statistical Establishment List (SSEL).	Approximately 100,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1995 Standard Statistical Establishment List (SSEL).
4. Survey methodology	Respondents took a sample of their individual outbound shipments for a 2-week period during each of the four calendar quarters of 1993. Respondents reported key characteristics for each sampled shipment.	Respondents took a sample of their individual outbound shipments for a 1-week period during each of the four calendar quarters of 1997. Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	For each shipment: Total value Total weight Major commodity (STCC) All modes of transportation Multiple origins (respondents specifically requested to report all shipment origins for the sampled establishment and report the appropriate origin for each shipment; assumed to always be the mailing address if no other origins listed). Destination Containerized (Y/N) Hazardous material (Y/N) Export (Y/N) If export, mode of export, foreign country, and city of destination.	For each shipment: Total value Total weight Major commodity (SCTG) All modes of transportation Single origin (assumed to be the mailing address unless the respondent provided a different physical location address). Destination Containerized (Y/N) Hazardous material (UN/NA codes) Export (Y/N) If export, mode of export, foreign country, and city of destination.

Appendix B. Reliability of the Estimates

An estimate based on a sample survey potentially contains two types of errors—sampling and nonsampling. Sampling error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The bias of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. Variance is the squared difference, averaged over all possible samples of the same size and design, between an estimator and its average value. Descriptions of sampling and nonsampling errors for the 1997 Commodity Flow Survey (CFS) are provided in the following sections.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of all the shipments made in 1997 from all establishments included on the CFS sampling frame is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling. (See Appendix C for a description of the sample design.)

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the

sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

An estimate of an unknown population value and its approximate standard error can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability, or confidence, of containing the unknown population value. If, for each possible sample, an estimate of an unknown population value and the estimate's approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the unknown population value.
2. For approximately 95 percent of the possible samples, the interval from two standard errors below to two standard errors above the estimate would include the unknown population value.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources: (1) nonresponse, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) other errors of collection, response, coverage, and processing. Although no direct measurement of the potential biases because of nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize its influence.

A potentially large source of bias in the estimates is due to nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all the selected establishments. Four levels of nonresponse can occur in the CFS: item, shipment, quarter (reporting week), and establishment. Item nonresponse

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been

returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

Some possible sources of bias that are attributed to respondent-conducted sampling include misunderstanding the definition of a shipment, constructing an incomplete frame of shipments from which to sample, ordering the shipment sampling frame by selected shipment characteristics, and selecting shipment records by a method other than the one specified in the questionnaire's instructions. We often contacted respondents who reported shipments having atypically large value or weight when compared to the rest of their reported shipments. Upon contact, if we are able to collect information on all of a given respondent's large shipments made either for a particular reporting week or for the entire quarter, then we identify these large shipments as certainty shipments. (See Appendix C for a description of how certainty shipments are used in the estimation process.)

Table B–1a. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	4.3	—	5.7	—	5.2	—	5.9
Single modes	5.0	.7	5.9	.8	5.6	1.3	7.6
Truck	5.0	1.0	6.9	2.4	3.1	2.9	9.1
For-hire truck	8.1	1.5	10.8	2.8	3.6	2.1	4.6
Private truck	3.8	1.2	7.7	2.3	4.2	.9	10.7
Rail	12.5	.2	14.2	1.0	16.7	2.3	19.9
Water	34.1	.1	34.1	.7	45.7	1.1	S
Shallow draft	43.3	.1	38.6	.7	S	S	S
Great Lakes	S	S	S	S	S	S	21.8
Deep draft	43.1	—	S	S	S	S	49.1
Air (includes truck and air)	21.3	.4	16.4	—	19.3	.1	4.6
Pipeline	38.6	.4	37.9	1.5	S	S	S
Multiple modes	5.1	.7	23.4	.3	21.3	1.3	3.6
Parcel, U.S. Postal Service or courier	5.2	.7	6.2	—	9.3	.2	3.6
Truck and rail	11.4	—	S	S	10.6	.2	8.9
Truck and water	35.9	—	S	S	S	S	30.0
Rail and water	34.3	—	34.8	.1	34.1	.2	18.3
Other multiple modes	49.6	—	S	S	S	S	43.5
Other and unknown modes	7.8	.3	18.7	.6	15.1	.5	28.5

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	4.3	3.6	6.4	5.7	3.8	8.8	5.2	5.5	7.8	5.9	4.5	8.7
Single modes	5.0	3.8	6.7	5.9	3.9	9.2	5.6	5.5	8.2	7.6	4.4	7.5
Truck	5.0	3.9	6.8	6.9	2.7	10.2	3.1	3.1	5.2	9.1	3.8	9.0
For-hire truck	8.1	5.6	10.2	10.8	3.5	17.4	3.6	4.1	6.4	4.6	3.2	5.6
Private truck	3.8	3.7	5.8	7.7	4.7	11.0	4.2	5.5	7.4	10.7	4.1	10.8
Rail	12.5	11.7	20.0	14.2	24.9	21.5	16.7	21.1	21.6	19.9	11.9	21.8
Water	34.1	32.9	21.5	34.1	29.8	28.3	45.7	34.4	20.0	S	26.4	S
Shallow draft	43.3	33.6	34.7	38.6	28.2	39.5	S	28.8	S	S	42.9	S
Great Lakes	S	—	S	S	—	S	S	—	S	21.8	—	S
Deep draft	43.1	S	S	S	S	S	S	S	S	49.1	18.9	18.2
Air (includes truck and air)	21.3	17.3	38.8	16.4	20.3	40.6	19.3	23.0	42.9	4.6	3.6	6.0
Pipeline	38.6	33.0	153.8	37.9	36.8	147.1	S	S	S	S	S	S
Multiple modes	5.1	7.4	13.7	23.4	32.1	31.3	21.3	30.9	33.0	3.6	4.2	6.8
Parcel, U.S. Postal Service or courier	5.2	7.7	14.3	6.2	5.6	11.9	9.3	5.3	17.8	3.6	4.2	6.8
Truck and rail	11.4	48.6	53.8	S	35.3	S	10.6	46.7	87.7	8.9	10.2	15.3
Truck and water	35.9	41.7	32.9	S	34.6	S	S	37.9	S	30.0	27.4	47.1
Rail and water	34.3	38.6	7.2	34.8	40.6	10.0	34.1	46.6	8.2	18.3	19.8	17.5
Other multiple modes	49.6	S	S	S	S	S	S	S	S	43.5	25.3	5.7
Other and unknown modes ...	7.8	7.8	13.9	18.7	19.8	41.2	15.1	45.8	50.3	28.5	8.1	12.5

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1c. Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Division: Percent of Total 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes	.7	.8	.8	.8	1.3	2.1
Truck	1.0	.8	2.4	2.4	2.9	4.0
For-hire truck	1.5	1.5	2.8	1.6	2.1	3.3
Private truck	1.2	1.1	2.3	1.8	.9	1.1
Rail	.2	.2	1.0	2.0	2.3	3.6
Water	.1	.3	.7	1.5	1.1	2.5
Shallow draft	.1	.1	.7	1.0	S	1.0
Great Lakes	S	—	S	—	S	—
Deep draft	—	S	S	S	S	S
Air (includes truck and air)	.4	.4	—	—	.1	—
Pipeline	.4	.1	1.5	.5	S	S
Multiple modes	.7	.8	.3	.7	1.3	1.8
Parcel, U.S. Postal Service or courier	.7	.8	—	—	.2	—
Truck and rail	—	.1	S	—	.2	.5
Truck and water	—	—	S	—	S	.2
Rail and water	—	—	.1	.6	.2	1.7
Other multiple modes	—	S	S	S	S	S
Other and unknown modes	.3	.2	.6	.6	.5	1.5

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-2. Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	5.2	—	5.9
Truck	3.1	2.9	9.1
Rail	15.9	2.4	16.1
Shallow draft	39.6	1.4	S
Great Lakes	41.4	—	21.3
Deep draft	47.2	.6	20.0
Air	19.6	.1	4.8
Parcel, U.S. Postal Service or courier	9.3	.2	3.6
Pipeline	S	S	S
Other and unknown modes	15.1	.5	28.4

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	4.3	—	5.7	—	5.2	—
Less than 50 miles	2.3	.9	8.2	2.0	9.8	.9
50 to 99 miles	6.8	.5	6.0	.7	6.2	.4
100 to 249 miles	11.3	.8	6.7	1.0	8.6	1.2
250 to 499 miles	5.2	.4	5.7	.4	7.9	.9
500 to 749 miles	7.2	.3	8.8	.2	11.1	1.1
750 to 999 miles	7.1	.3	15.1	.1	17.4	1.0
1,000 to 1,499 miles	4.5	.3	21.5	.3	21.3	1.7
1,500 to 1,999 miles	14.5	.2	12.4	—	12.2	.4
2,000 miles or more	7.0	.4	6.0	—	6.6	.9
Single modes	5.0	—	5.9	—	5.6	—
Less than 50 miles	2.5	1.0	8.6	2.1	10.3	1.0
50 to 99 miles	8.0	.7	6.2	.7	6.3	.5
100 to 249 miles	14.0	1.0	6.6	1.0	8.4	1.1
250 to 499 miles	6.3	.5	5.9	.4	8.3	1.0
500 to 749 miles	9.0	.4	8.9	.2	11.3	.9
750 to 999 miles	8.3	.4	16.7	.2	18.9	.9
1,000 to 1,499 miles	5.1	.3	24.4	.3	24.2	1.9
1,500 to 1,999 miles	17.7	.2	14.2	—	14.0	.4
2,000 miles or more	8.5	.4	7.0	—	7.8	1.0
Truck	5.0	—	6.9	—	3.1	—
Less than 50 miles	2.8	1.0	8.8	1.6	10.2	1.2
50 to 99 miles	7.2	.6	6.7	.7	6.4	.5
100 to 249 miles	12.3	.9	4.3	.6	4.3	.5
250 to 499 miles	6.9	.5	4.9	.3	4.8	.7
500 to 749 miles	9.2	.4	5.6	.1	6.0	.6
750 to 999 miles	8.4	.4	6.6	—	6.5	.4
1,000 to 1,499 miles	4.6	.2	5.0	—	5.0	.5
1,500 to 1,999 miles	18.7	.2	12.1	—	12.2	.3
2,000 miles or more	10.0	.4	7.2	—	7.4	.9
For-hire truck	8.1	—	10.8	—	3.6	—
Less than 50 miles	6.1	.8	16.6	3.5	17.9	1.3
50 to 99 miles	10.2	.5	8.5	1.1	8.2	.5
100 to 249 miles	16.7	1.2	5.5	1.3	5.3	.6
250 to 499 miles	7.8	.7	5.4	.7	5.3	.8
500 to 749 miles	10.3	.5	5.6	.4	6.0	.6
750 to 999 miles	8.8	.6	7.6	.2	7.5	.5
1,000 to 1,499 miles	5.1	.3	5.2	.2	5.2	.6
1,500 to 1,999 miles	19.8	.3	12.1	—	12.2	.4
2,000 miles or more	11.4	.6	8.3	.2	8.5	1.3
Private truck	3.8	—	7.7	—	4.2	—
Less than 50 miles	3.3	1.1	8.6	1.1	5.5	1.2
50 to 99 miles	10.8	.8	10.1	.7	10.1	1.0
100 to 249 miles	5.4	.4	5.2	.5	5.1	.9
250 to 499 miles	6.0	.3	7.2	.1	7.1	.6
500 to 749 miles	14.7	.3	13.4	—	13.7	.9
750 to 999 miles	26.4	.4	12.7	—	12.6	.5
1,000 to 1,499 miles	9.2	.1	12.2	—	13.6	.9
1,500 to 1,999 miles	20.3	—	22.3	—	21.6	.3
2,000 miles or more	17.8	.2	21.0	—	21.9	1.0
Rail	12.5	—	14.2	—	16.7	—
Less than 50 miles	32.6	4.5	24.1	3.6	25.9	.5
50 to 99 miles	30.5	.8	41.3	1.6	45.8	.8
100 to 249 miles	15.5	2.8	17.1	4.5	18.4	4.2
250 to 499 miles	29.0	3.4	16.2	1.9	15.6	1.8
500 to 749 miles	32.6	2.7	31.8	1.6	37.2	2.7
750 to 999 miles	15.9	1.1	S	S	S	S
1,000 to 1,499 miles	19.6	1.6	24.7	.7	26.9	2.2
1,500 to 1,999 miles	S	S	35.5	.3	34.2	1.6
2,000 miles or more	15.8	.9	13.1	.3	13.2	1.8
Water	34.1	—	34.1	—	45.7	—
Less than 50 miles	46.6	8.7	41.0	8.5	44.6	10.9
50 to 99 miles	39.1	7.8	30.0	8.5	26.5	10.0
100 to 249 miles	38.2	.9	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Shallow draft	43.3	—	38.6	—	S	S
Less than 50 miles	S	S	44.6	7.3	47.0	12.6
50 to 99 miles	48.2	5.6	35.2	6.8	32.9	7.9
100 to 249 miles	42.7	1.0	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	43.1	—	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	21.3	—	16.4	—	19.3	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	S	S	37.9	1.3	35.0	.2
100 to 249 miles	S	S	28.2	3.2	36.6	1.7
250 to 499 miles	11.8	1.3	27.3	3.5	28.2	2.0
500 to 749 miles	27.5	1.5	20.4	2.2	20.9	1.8
750 to 999 miles	26.3	1.3	32.1	1.2	34.1	1.1
1,000 to 1,499 miles	27.8	3.4	28.1	3.0	29.9	3.9
1,500 to 1,999 miles	11.9	.4	20.6	.6	20.7	.9
2,000 miles or more	10.7	3.5	36.4	4.2	32.2	5.6
Pipeline	38.6	—	37.9	—	S	S
Less than 50 miles	32.4	6.3	32.1	6.7	S	S
50 to 99 miles	—	—	—	—	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	—	—	—	—	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	5.1	—	23.4	—	21.3	—
Less than 50 miles	8.5	1.1	S	S	36.3	.8
50 to 99 miles	4.8	.4	24.9	2.1	26.7	.4
100 to 249 miles	7.0	.7	35.5	5.1	37.3	4.0
250 to 499 miles	6.4	.7	22.5	2.1	26.8	2.0
500 to 749 miles	6.7	.6	S	S	S	S
750 to 999 miles	9.0	.5	46.0	1.5	S	S
1,000 to 1,499 miles	8.9	.7	17.6	2.1	21.1	3.3
1,500 to 1,999 miles	14.8	.5	26.5	.7	30.4	1.8
2,000 miles or more	8.6	.5	8.2	1.5	8.5	3.3
Parcel, U.S. Postal Service or courier	5.2	—	6.2	—	9.3	—
Less than 50 miles	8.5	1.1	10.4	2.0	11.3	.2
50 to 99 miles	4.8	.4	9.9	.5	10.4	—
100 to 249 miles	7.0	.7	7.8	.7	7.6	.3
250 to 499 miles	6.5	.7	5.2	.5	4.9	.5
500 to 749 miles	6.6	.6	10.0	.7	9.5	.7
750 to 999 miles	8.9	.5	20.4	1.1	19.4	1.3
1,000 to 1,499 miles	9.2	.7	12.8	.8	12.9	1.2
1,500 to 1,999 miles	15.3	.5	12.0	.2	12.6	.7
2,000 miles or more	8.6	.5	11.5	.6	11.9	1.5
Truck and rail	11.4	—	S	S	10.6	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	35.5	3.7	S	S	S	S
250 to 499 miles	S	S	42.4	2.3	40.6	.8
500 to 749 miles	16.7	3.0	19.9	5.0	20.4	3.0
750 to 999 miles	23.9	1.3	32.3	1.7	31.3	1.5
1,000 to 1,499 miles	25.3	2.2	36.2	4.1	38.8	3.5
1,500 to 1,999 miles	37.8	1.8	S	S	S	S
2,000 miles or more	15.6	5.0	10.4	8.3	10.3	5.0
Truck and water	35.9	—	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	39.1	7.1	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	48.4	9.0	39.0	8.6	38.0	10.8

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	34.3	—	34.8	—	34.1	—
Less than 50 miles	48.6	4.6	47.6	4.2	48.0	2.3
50 to 99 miles	S	S	S	S	46.2	5.3
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	38.8	5.9	40.2	5.7	40.8	6.0
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other multiple modes	49.6	—	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	7.8	—	18.7	—	15.1	—
Less than 50 miles	11.6	2.6	24.8	6.0	24.0	1.9
50 to 99 miles	9.7	.7	29.4	1.7	27.1	.4
100 to 249 miles	11.0	1.3	27.6	2.4	24.1	2.4
250 to 499 miles	9.2	.7	22.9	1.4	19.8	2.4
500 to 749 miles	14.1	.7	27.9	1.1	27.7	1.5
750 to 999 miles	21.0	.5	21.8	.3	20.9	1.7
1,000 to 1,499 miles	16.7	1.0	26.4	.9	24.9	3.0
1,500 to 1,999 miles	31.9	.3	33.5	.2	33.6	1.2
2,000 miles or more	13.1	.7	32.3	1.3	32.4	5.1

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	4.3	—	5.7	—	5.2	—	5.9
Less than 50 lb	6.5	.9	8.8	—	10.5	.1	5.8
50 to 99 lb	5.6	.2	6.9	—	11.9	—	6.1
100 to 499 lb	7.8	.7	6.7	—	11.7	.2	7.7
500 to 749 lb	5.7	.2	6.6	—	13.3	—	9.2
750 to 999 lb	12.9	.3	5.9	—	25.8	.2	17.7
1,000 to 9,999 lb	9.6	1.0	3.0	.3	4.4	.6	6.8
10,000 to 49,999 lb	4.3	1.1	7.9	2.6	3.7	1.9	5.4
50,000 to 99,999 lb	6.3	.2	9.5	1.2	6.9	.7	7.7
100,000 lb or more	12.3	.5	13.8	2.9	15.4	2.8	23.0
Single modes	5.0	—	5.9	—	5.6	—	7.6
Less than 50 lb	12.4	.6	14.1	—	14.1	—	9.1
50 to 99 lb	6.6	.2	6.8	—	11.0	—	7.3
100 to 499 lb	9.2	.8	7.6	—	12.2	.2	8.1
500 to 749 lb	6.3	.2	6.8	—	14.1	—	10.2
750 to 999 lb	13.9	.4	6.2	—	27.1	.2	18.4
1,000 to 9,999 lb	10.1	1.1	3.2	.4	4.7	.7	6.9
10,000 to 49,999 lb	4.5	1.3	8.1	2.6	4.0	2.1	5.4
50,000 to 99,999 lb	6.4	.2	9.7	1.3	7.5	.8	6.1
100,000 lb or more	13.3	.7	14.8	3.0	17.6	3.2	25.2
Truck	5.0	—	6.9	—	3.1	—	9.1
Less than 50 lb	6.1	.3	14.2	—	16.6	—	12.5
50 to 99 lb	6.4	.1	6.9	—	12.2	—	7.5
100 to 499 lb	7.2	.7	7.6	.1	12.7	.3	8.3
500 to 749 lb	6.5	.2	6.9	—	14.7	.1	9.2
750 to 999 lb	14.2	.4	6.2	—	27.7	.3	18.7
1,000 to 9,999 lb	10.3	1.3	3.3	.5	4.9	.5	7.1
10,000 to 49,999 lb	4.5	1.4	8.1	2.5	4.1	1.3	5.5
50,000 to 99,999 lb	6.6	.2	9.7	1.4	7.6	.7	4.8
100,000 lb or more	11.2	.1	24.1	2.7	15.1	.8	S
For-hire truck	8.1	—	10.8	—	3.6	—	4.6
Less than 50 lb	12.4	.4	22.0	—	23.1	—	9.3
50 to 99 lb	9.0	.1	12.9	—	17.6	—	7.7
100 to 499 lb	12.2	.9	12.9	.1	16.7	.4	3.7
500 to 749 lb	9.1	.3	9.4	—	18.5	.1	5.3
750 to 999 lb	19.4	.7	15.3	—	33.8	.5	8.9
1,000 to 9,999 lb	16.1	1.5	5.7	.5	6.2	.7	5.3
10,000 to 49,999 lb	5.1	1.9	12.3	3.3	4.9	1.6	7.3
50,000 to 99,999 lb	12.5	.3	14.3	1.8	8.3	.7	9.0
100,000 lb or more	20.3	.2	42.9	3.1	22.6	1.2	S
Private truck	3.8	—	7.7	—	4.2	—	10.7
Less than 50 lb	7.4	.6	15.8	—	17.7	—	19.7
50 to 99 lb	7.3	.2	6.8	—	15.0	—	11.3
100 to 499 lb	6.7	.9	9.7	.2	11.8	.3	9.9
500 to 749 lb	6.3	.3	7.9	—	9.4	—	10.0
750 to 999 lb	10.3	.4	6.5	—	7.4	—	7.4
1,000 to 9,999 lb	3.5	.9	4.2	.8	5.7	.5	4.3
10,000 to 49,999 lb	9.4	1.6	7.9	2.8	5.1	1.9	5.4
50,000 to 99,999 lb	9.8	.4	9.1	1.1	8.9	.9	5.3
100,000 lb or more	14.9	.3	32.1	3.6	22.3	1.4	S
Rail	12.5	—	14.2	—	16.7	—	19.9
Less than 50 lb	S	S	S	S	48.6	—	S
50 to 99 lb	S	S	S	S	S	S	21.2
100 to 499 lb	32.1	—	40.1	—	S	S	24.6
500 to 749 lb	47.4	—	S	S	S	S	21.8
750 to 999 lb	47.4	—	44.4	—	S	S	23.2
1,000 to 9,999 lb	S	S	S	S	44.0	.2	S
10,000 to 49,999 lb	13.3	2.3	15.2	.7	15.7	2.0	4.8
50,000 to 99,999 lb	28.6	2.6	14.1	.9	18.7	2.2	10.2
100,000 lb or more	14.2	4.2	14.7	1.6	18.3	4.2	8.8
Water	34.1	—	34.1	—	45.7	—	S
Less than 50 lb	S	S	S	S	S	S	21.8
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	25.6
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	19.5
10,000 to 49,999 lb	S	S	34.3	7.4	41.6	7.7	S
50,000 to 99,999 lb	S	S	S	S	S	S	S
100,000 lb or more	43.6	10.4	34.5	11.3	45.9	11.7	28.8
Shallow draft	43.3	—	38.6	—	S	S	S
Less than 50 lb	S	S	S	S	S	S	21.8
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	46.7
500 to 749 lb	S	S	S	S	S	S	25.6
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	22.3
10,000 to 49,999 lb	S	S	S	S	45.6	7.4	19.9
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	S	S	39.0	11.3	S	S	19.4

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	S	S	S	S	S	S	21.8
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	43.1	—	S	S	S	S	49.1
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	21.8
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	42.9	4.0	45.4	5.4	S	S	30.2
10,000 to 49,999 lb	47.2	8.8	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	22.5
100,000 lb or more	S	S	S	S	S	S	S
Air (includes truck and air)	21.3	—	16.4	—	19.3	—	4.6
Less than 50 lb	38.5	4.1	12.6	1.1	15.1	1.1	5.0
50 to 99 lb	17.3	1.3	23.7	.9	26.3	.9	3.7
100 to 499 lb	40.4	4.6	22.6	2.6	17.9	2.6	6.6
500 to 749 lb	30.5	1.3	43.0	1.4	49.1	1.9	8.7
750 to 999 lb	22.3	.5	17.8	.7	21.8	1.0	9.5
1,000 to 9,999 lb	25.6	2.8	18.3	4.1	21.6	4.3	8.5
10,000 to 49,999 lb	S	S	26.5	3.4	31.9	3.1	14.8
50,000 to 99,999 lb	S	S	S	S	S	S	20.5
100,000 lb or more	43.4	—	47.7	1.9	S	S	20.8
Pipeline	38.6	—	37.9	—	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	S	S	S
100,000 lb or more	38.6	.5	37.9	—	S	S	S
Multiple modes	5.1	—	23.4	—	21.3	—	3.6
Less than 50 lb	5.6	1.1	8.2	2.4	11.1	1.8	3.7
50 to 99 lb	6.5	.6	8.9	1.2	13.4	1.1	5.2
100 to 499 lb	7.4	.8	7.4	2.4	13.6	1.6	7.0
500 to 749 lb	16.0	.3	11.4	.4	17.9	.4	11.9
750 to 999 lb	17.5	.1	15.2	.1	23.5	—	17.6
1,000 to 9,999 lb	30.2	.1	27.6	.3	27.7	.5	33.2
10,000 to 49,999 lb	11.7	.2	11.5	2.7	10.4	4.0	9.0
50,000 to 99,999 lb	40.3	—	45.7	2.1	42.9	.9	S
100,000 lb or more	31.6	.1	39.5	8.7	S	S	22.3
Parcel, U.S. Postal Service or courier	5.2	—	6.2	—	9.3	—	3.6
Less than 50 lb	5.6	1.2	8.2	1.8	11.1	2.6	3.7
50 to 99 lb	6.5	.6	8.9	.8	13.4	1.2	5.2
100 to 499 lb	7.4	.8	7.4	1.2	13.7	1.9	7.0
500 to 749 lb	16.0	.3	11.4	.5	18.0	.8	12.1
750 to 999 lb	17.4	.1	15.2	.4	21.9	.3	16.0
1,000 to 9,999 lb	43.9	—	32.0	—	47.8	—	26.0
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	11.4	—	S	S	10.6	—	8.9
Less than 50 lb	S	S	S	S	S	S	21.9
50 to 99 lb	S	S	S	S	S	S	21.8
100 to 499 lb	S	S	S	S	S	S	27.8
500 to 749 lb	S	S	S	S	48.6	—	21.8
750 to 999 lb	S	S	S	S	S	S	19.2
1,000 to 9,999 lb	34.9	3.2	31.6	1.3	24.0	.6	14.4
10,000 to 49,999 lb	11.1	4.0	8.7	14.2	7.9	4.2	6.1
50,000 to 99,999 lb	45.8	2.2	S	S	S	S	S
100,000 lb or more	45.2	2.9	S	S	S	S	30.7
Truck and water	35.9	—	S	S	S	S	30.0
Less than 50 lb	S	S	S	S	S	S	22.6
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	20.3
500 to 749 lb	S	S	S	S	S	S	21.3
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	35.8
10,000 to 49,999 lb	42.2	9.6	38.1	10.4	41.9	9.8	19.0
50,000 to 99,999 lb	S	S	S	S	S	S	21.9
100,000 lb or more	S	S	S	S	S	S	21.4

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	34.3	—	34.8	—	34.1	—	18.3
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	34.3	—	34.8	—	34.1	—	18.3
Other multiple modes	49.6	—	S	S	S	S	43.5
Less than 50 lb	S	S	S	S	S	S	33.1
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	27.4
50,000 to 99,999 lb	S	S	S	S	S	S	22.9
100,000 lb or more	S	S	S	S	S	S	21.4
Other and unknown modes	7.8	—	18.7	—	15.1	—	28.5
Less than 50 lb	15.9	2.2	10.1	.1	26.2	—	37.3
50 to 99 lb	13.4	.5	23.0	.2	22.1	—	S
100 to 499 lb	11.7	1.1	15.2	.4	15.6	.2	18.9
500 to 749 lb	19.1	.3	13.5	.1	14.3	—	20.3
750 to 999 lb	27.2	.4	18.4	.1	20.2	—	S
1,000 to 9,999 lb	10.7	2.1	8.3	2.5	9.8	2.5	15.0
10,000 to 49,999 lb	16.9	2.1	25.2	5.3	19.9	3.8	20.8
50,000 to 99,999 lb	23.9	1.0	30.4	3.9	29.4	3.5	S
100,000 lb or more	22.2	1.0	37.3	8.4	40.5	5.3	30.4

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	4.3	—	5.7	—	5.2	—	5.9
01	Live animals and live fish	25.3	—	29.6	—	33.4	—	S
02	Cereal grains	32.0	—	21.1	—	37.3	—	S
03	Other agricultural products	27.6	.3	32.7	.3	25.0	.2	S
04	Animal feed and products of animal origin, n.e.c.	17.3	—	21.9	.3	14.2	.1	32.7
05	Meat, fish, seafood, and their preparations	12.0	.2	11.5	—	24.2	.3	34.6
06	Milled grain products and preparations, and bakery products	8.1	.1	8.0	.1	12.3	.3	S
07	Other prepared foodstuffs and fats and oils	5.1	.4	7.7	.4	10.5	.6	17.5
08	Alcoholic beverages	10.6	.1	12.2	.1	26.1	.6	12.7
09	Tobacco products	16.1	.1	20.3	—	21.5	—	17.8
10	Monumental or building stone	46.6	—	32.0	.1	S	S	39.6
11	Natural sands	32.3	—	27.0	.9	28.9	.4	21.9
12	Gravel and crushed stone	11.6	—	11.6	1.7	18.8	.8	7.1
13	Nonmetallic minerals n.e.c.	23.8	—	23.3	.6	25.6	.4	16.5
14	Metallic ores and concentrates	25.4	—	26.9	—	S	S	13.9
15	Coal	15.2	—	12.0	1.3	21.2	2.3	27.0
17	Gasoline and aviation turbine fuel	13.1	.3	14.1	.8	S	S	10.8
18	Fuel oils	14.4	.2	16.0	.9	24.9	.3	15.7
19	Coal and petroleum products, n.e.c.	14.9	.2	19.0	1.3	16.7	.4	S
20	Basic chemicals	16.6	.2	19.5	.3	22.7	.9	15.9
21	Pharmaceutical products	9.9	.5	26.1	—	9.6	—	8.1
22	Fertilizers	32.4	—	45.9	.1	48.1	.1	21.6
23	Chemical products and preparations, n.e.c.	22.2	.9	7.0	—	10.0	.3	10.6
24	Plastics and rubber	4.8	.3	9.4	—	15.2	.9	8.0
25	Logs and other wood in the rough	39.9	—	27.5	.1	19.1	—	S
26	Wood products	7.6	—	8.6	.1	20.7	.4	13.9
27	Pulp, newsprint, paper, and paperboard	7.9	.1	13.8	.3	11.2	.5	26.8
28	Paper or paperboard articles	9.5	.2	8.0	—	16.1	.2	13.6
29	Printed products	38.8	2.2	12.7	.2	24.6	.8	13.5
30	Textiles, leather, and articles of textiles or leather	9.9	.6	11.3	—	13.0	.2	6.7
31	Nonmetallic mineral products	6.5	.2	23.2	1.6	8.5	.8	18.3
32	Base metal in primary or semifinished forms and in finished basic shapes	16.9	.8	13.0	.5	11.4	1.0	10.8
33	Articles of base metal	5.6	.2	12.2	.2	10.9	.4	14.0
34	Machinery	5.6	.3	8.1	—	9.5	.1	12.5
35	Electronic and other electrical equipment and components and office equipment	8.2	.7	5.2	—	6.7	.1	10.1
36	Motorized and other vehicles (including parts)	8.8	.4	9.3	—	11.4	.2	13.0
37	Transportation equipment, n.e.c.	14.9	.1	27.5	—	43.2	.2	6.3
38	Precision instruments and apparatus	10.5	.2	15.4	—	18.6	—	6.8
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.9	.1	12.1	—	14.9	—	10.4
40	Miscellaneous manufactured products	8.1	.6	S	S	11.7	.3	4.9
41	Waste and scrap	16.2	—	18.4	.3	42.0	1.4	18.3
43	Mixed freight	14.0	.4	13.2	.2	16.6	.2	16.8
—	Commodity unknown	24.2	.1	24.5	—	31.6	.1	14.7

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	4.3	—	5.7	—	5.2	—	5.9
010	Live animals and live fish	25.3	—	29.6	—	33.4	—	S
021	Wheat	30.6	—	29.3	—	49.0	—	44.9
022	Corn, except sweet	30.4	—	32.2	—	26.4	—	49.0
029	Other cereal grains	S	S	44.3	—	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	35.4	—	49.8	.2	S	S	21.6
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	25.2	—	22.5	—	29.8	—	S
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	47.7
034	Soya beans	39.1	—	45.3	—	47.8	—	S
035	Oil seeds and nuts, except olives and soya beans	37.3	—	42.5	—	39.4	—	22.9
036	Bulbs, live plants, and seeds for sowing, n.e.c.	37.4	—	S	S	S	S	29.4
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	28.2	—	46.9	—	S	S	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	48.7	—	25.5	—	30.5	—	25.2
042	Animal feed preparations	19.0	—	24.3	.3	16.9	.1	S
051	Meat including poultry, except preparations	11.8	.2	11.9	—	25.6	.2	28.4
052	Fish, except live, and seafood, except preparations	24.7	—	20.7	—	30.6	—	S
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	S
061	Wheat flour, groats, and meal	16.9	—	17.7	—	18.7	—	13.2
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	39.9	—	35.5	—	S	S	S
063	Food preparations of cereals, flour, starch, or milk	23.2	.1	21.4	—	21.0	.2	37.3
064	Bakery products	9.5	.1	10.5	—	15.2	.2	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	11.8	.2	11.7	.1	19.3	.3	31.8
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	15.7	.3	20.3	.2	27.6	.5	40.9
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	25.4	—	24.0	—	34.3	—	45.2
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	32.3	—	29.4	—	S	S	41.9
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	27.8	—	27.7	—	30.6	—	S
076	Confectionery, cocoa, and cocoa preparations	15.3	.2	10.5	—	13.8	.1	23.8
077	Edible preparations, n.e.c. and vinegar	17.2	.1	14.6	—	19.2	.2	22.0
078	Nonalcoholic beverages, n.e.c. and ice	10.4	—	16.6	.3	14.0	.1	26.3
081	Malt Beer	13.1	.1	13.0	.1	29.1	.6	15.2
082	Wine and other fermented beverages	25.5	—	35.1	—	41.1	—	S
083	Spirituos beverages and ethyl alcohol	27.1	—	37.4	—	S	S	S
090	Tobacco products	16.1	.1	20.3	—	21.5	—	17.8
100	Monumental or building stone, except dolomite	46.6	—	32.0	.1	S	S	39.6
110	Natural sands, except metal-bearing	32.3	—	27.0	.9	28.9	.4	21.9
120	Gravel and crushed stone, except dolomite and slate	11.6	—	11.6	1.7	18.8	.8	7.1
131	Salt	33.3	—	42.4	.3	39.5	.3	21.7
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	20.3
133	Dolomite	29.1	—	31.9	.6	41.5	.2	15.2
139	Other nonmetallic minerals	32.9	—	25.7	—	33.6	.1	20.1
141	Iron ores and concentrates	S	S	S	S	S	S	21.8
149	Other metallic ores and concentrates	27.4	—	28.4	—	S	S	13.8
151	Nonagglomerated bituminous coal	12.2	—	13.1	1.4	21.5	.3	26.4
159	Other coal	S	S	39.1	.3	35.9	.1	45.7
171	Gasoline	12.6	.3	13.1	.8	S	S	11.0
172	Aviation turbine fuel (types A and B)	S	S	S	S	S	S	21.2
180	Fuel oils	14.4	.2	16.0	.9	24.9	.3	15.7
191	Lubricating oils and greases	33.2	—	36.8	—	S	S	46.1
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	32.1	—	41.5	.2	27.5	—	S
193	Gaseous hydrocarbons	25.5	—	34.8	.2	38.3	—	S
199	Other products of petroleum refining, and coal products	26.0	.1	21.5	1.2	21.8	.3	20.9
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	46.2	—	S	S	42.2	.1	43.3
202	Inorganic chemicals, n.e.c.	22.9	.1	24.4	.2	32.1	.8	27.4
203	Cyclic hydrocarbons	S	S	S	S	37.5	—	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	S	S	S	S	S	S	30.3
205	Organic chemicals, n.e.c.	17.3	.1	14.3	—	16.4	.1	11.8
210	Pharmaceutical products	9.9	.5	26.1	—	9.6	—	8.1
220	Fertilizers and fertilizer materials	32.4	—	45.9	.1	48.1	.1	21.6
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	23.0	.1	20.9	—	23.7	—	27.9
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	11.3	.1	20.1	—	18.0	—	10.7
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	20.5	—	20.4	—	30.7	.2	21.1
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	S	S	32.5	—	38.1	.1	10.2
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	21.6	—	22.1	—	28.4	—	S
239	Other chemical products and preparations	13.8	—	13.8	—	19.5	.2	17.4
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	13.0	.1	21.5	—	27.6	.8	13.2
242	Manmade fibers and plastics basic shapes and articles	6.0	.2	7.3	—	9.5	.2	8.1

See footnotes at end of table.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	12.1	—	15.3	—	28.4	.1	20.7
250	Logs and other wood in the rough	39.9	—	27.5	.1	19.1	—	S
261	Wood chips or particles	26.7	—	27.5	—	S	S	19.4
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	9.6	—	12.4	—	19.3	.2	14.3
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	15.3	—	13.6	—	16.2	—	47.8
264	Builders' joinery and carpentry of wood, except shingles and shakes	18.8	—	29.8	—	26.0	—	10.8
269	Other wood products	16.0	—	19.4	—	28.6	—	13.2
271	Pulp of fibrous cellulosic materials	34.7	—	37.0	—	S	S	S
272	Newsprint in large rolls or sheets	34.5	—	33.7	—	30.2	—	38.9
273	Uncoated paper and paperboard in large rolls or sheets	11.3	.1	15.0	.2	13.8	.4	S
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	15.1	—	26.9	.1	20.4	.3	11.8
280	Paper or paperboard articles	9.5	.2	8.0	—	16.1	.2	13.6
291	Printed books, brochures, leaflets, and similar printed products	S	S	33.2	.1	44.0	.7	8.9
292	Newspapers, journals, and periodicals	15.8	.2	19.4	.1	25.6	—	27.5
293	Advertising material, commercial or trade catalogues, and similar printed products	16.6	.1	18.9	—	38.8	.2	10.3
299	Other printed products	21.3	.2	S	S	S	S	11.9
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	18.1	.1	17.8	—	19.8	—	26.1
302	Textile clothing and accessories, and headgear, except safety	13.4	.5	15.1	—	23.5	.2	7.3
303	Textiles and textile articles, n.e.c.	14.6	.2	15.2	—	19.5	.1	7.0
304	Footwear	15.3	—	17.2	—	19.2	—	7.3
305	Leather and articles, luggage of related materials, and dressed furskins and articles	23.3	—	16.7	—	22.4	—	8.5
311	Hydraulic cements	19.4	—	19.4	.2	15.3	.1	16.1
312	Ceramic products	13.6	—	14.7	—	18.7	.2	10.5
313	Glass and glass products	13.8	.1	17.8	.2	18.9	.6	16.3
319	Other nonmetallic mineral products	13.2	—	30.5	1.6	11.9	.3	19.3
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	42.8	.3	29.8	.1	25.3	.2	29.1
322	Flat-rolled products of iron or steel	9.5	.1	21.9	.4	13.7	.6	15.2
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	23.4	.2	15.8	.1	18.9	.3	13.7
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	23.1	.5	13.4	—	17.2	.4	12.7
331	Pipes, tubes, and fittings	11.5	.1	20.5	.1	15.4	.2	18.0
332	Structures and parts, except prefabricated buildings	20.4	.1	41.4	—	29.5	.2	12.8
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	10.4	.1	17.3	—	19.7	.1	11.8
339	Other articles of metal	13.4	.1	27.7	.1	30.2	.4	15.6
341	Internal-combustion piston engines	16.6	.2	26.3	—	26.7	—	37.6
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	17.8	—	29.6	—	24.5	—	11.7
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	14.9	—	17.2	—	19.6	—	17.2
344	Air-conditioning, refrigerating, or freezing equipment	18.9	—	23.4	—	20.0	—	35.2
345	Materials-handling, excavating, boring, and related machinery and equipment	11.3	—	20.9	—	16.4	—	25.1
349	Other machinery	8.4	.2	10.6	—	12.2	—	16.1
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	16.7	—	16.4	—	31.7	—	16.2
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	23.1	—	28.1	—	30.3	—	12.2
353	Line telephone or telegraph apparatus	21.0	—	27.4	—	29.0	—	12.9
354	Electronic entertainment products, except parts	29.8	.3	23.3	—	30.9	—	14.0
355	Computer and office equipment	20.5	.6	30.1	—	33.2	.1	7.5
356	Prepared unrecorded or prerecorded media	24.3	.1	36.1	—	40.8	—	13.6
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	18.2	—	24.4	—	45.2	—	13.4
358	Electronic components and parts	26.0	.4	22.4	—	25.9	—	10.6
359	Other electronic and electrical equipment	5.3	.1	10.4	—	13.0	—	14.8
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	47.1	.2	33.5	—	46.6	—	30.9
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	44.6	.2	43.1	—	S	S	22.4
363	Other vehicles	18.1	.1	17.5	—	19.9	—	11.0
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	12.4	.4	14.3	—	14.3	.2	13.6
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	23.5	—	28.1	—	44.7	.2	7.6
372	Aircraft and spacecraft	20.0	.1	26.8	—	28.1	—	7.8
373	Ships, boats, and floating structures	29.6	—	29.1	—	32.1	—	S
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	16.6	—	15.8	—	18.3	—	10.0
382	Photographic and photocopying machines	25.9	.1	21.4	—	42.7	—	10.6
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	30.1	—	44.5	—	S	S	14.5
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	20.4	.2	29.8	—	33.5	—	8.6

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	13.8	—	16.3	—	19.5	—	6.3
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.9	.1	12.1	—	14.9	—	10.4
401	Arms and ammunition	23.0	—	22.9	—	26.5	—	9.7
402	Toys, games, and sporting equipment	19.9	.1	20.6	—	27.0	—	7.7
409	Miscellaneous manufactured products	9.0	.6	S	S	13.0	.4	5.7
411	Metallic waste and scrap	19.8	—	23.5	.3	S	S	17.9
412	Nonmetallic waste and scrap, except from food processing	38.9	—	36.0	.1	35.8	.2	20.7
439	Mixed freight	14.0	.4	13.2	.2	16.6	.2	16.8
—	Commodity unknown	24.2	.1	24.5	—	31.6	.1	14.7

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	4.3	—	5.7	—	5.2	—	5.9
Single modes	5.0	.7	5.9	.8	5.6	1.3	7.6
Truck	5.0	1.0	6.9	2.4	3.1	2.9	9.1
For-hire truck	8.1	1.5	10.8	2.8	3.6	2.1	4.6
Private truck	3.8	1.2	7.7	2.3	4.2	.9	10.7
Rail	12.5	.2	14.2	1.0	16.7	2.3	19.9
Water	34.1	.1	34.1	.7	45.7	1.1	S
Shallow draft	43.3	.1	38.6	.7	S	S	S
Great Lakes	S	S	S	S	S	S	21.8
Deep draft	43.1	—	S	S	S	S	49.1
Air (includes truck and air)	21.3	.4	16.4	—	19.3	.1	4.6
Pipeline	38.6	.4	37.9	1.5	S	S	S
Multiple modes	5.1	.7	23.4	.3	21.3	1.3	3.6
Parcel, U.S. Postal Service or courier	5.2	.7	6.2	—	9.3	.2	3.6
Truck and rail	11.4	—	S	S	10.6	.2	8.9
Truck and water	35.9	—	S	S	S	S	30.0
Rail and water	34.3	—	34.8	.1	34.1	.2	18.3
Other multiple modes	49.6	—	S	S	S	S	43.5
Other and unknown modes	7.8	.3	18.7	.6	15.1	.5	28.5
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	25.3	—	29.6	—	33.4	—	S
Single modes	25.4	1.6	29.8	1.3	33.1	1.2	S
Truck	25.4	1.6	29.8	1.3	33.1	1.2	S
For-hire truck	35.2	8.5	36.1	8.8	38.0	10.8	17.3
Private truck	46.3	8.9	S	S	S	S	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.2
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.4
SCTG 02, CEREAL GRAINS							
Total	32.0	—	21.1	—	37.3	—	S
Single modes	30.4	5.2	22.4	3.6	30.4	6.6	S
Truck	28.1	6.1	23.5	4.4	32.8	8.6	S
For-hire truck	43.7	7.3	31.4	7.3	45.2	6.6	26.6
Private truck	31.1	9.8	36.9	7.3	35.3	9.7	22.0
Rail	44.3	4.0	45.2	3.5	39.0	6.5	20.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	24.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	37.4
Truck and rail	S	S	S	S	S	S	20.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.3

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	27.6	—	32.7	—	25.0	—	S
Single modes	29.1	3.9	34.6	4.3	25.9	4.3	44.4
Truck	29.0	3.8	34.6	4.3	26.0	4.3	44.8
For-hire truck	46.3	6.0	45.6	7.3	31.6	8.7	39.2
Private truck	25.5	6.5	33.4	7.2	40.1	7.4	26.2
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	47.0	1.2	S	S	S	S	15.3
Parcel, U.S. Postal Service or courier	47.7	1.2	S	S	S	S	15.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	17.3	—	21.9	—	14.2	—	32.7
Single modes	16.2	2.9	21.5	1.9	13.1	4.1	S
Truck	16.7	3.2	21.9	2.8	15.6	5.9	50.0
For-hire truck	20.8	5.9	22.3	5.3	20.9	6.5	26.2
Private truck	19.7	6.0	26.0	6.2	20.8	6.5	38.5
Rail	49.7	2.2	30.7	2.5	44.3	4.3	20.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	46.8	1.6	S	S	S	S	31.1
Parcel, U.S. Postal Service or courier	S	S	48.4	—	48.3	2	18.2
Truck and rail	S	S	S	S	S	S	21.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	12.0	—	11.5	—	24.2	—	34.6
Single modes	12.7	2.4	12.2	2.1	24.7	1.3	24.3
Truck	12.7	2.4	12.2	2.1	24.7	1.3	24.3
For-hire truck	22.2	3.8	21.9	3.7	33.1	7.0	23.4
Private truck	12.3	4.7	12.0	4.2	15.7	6.5	15.5
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	25.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.8
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	41.1	2.4	41.8	2.1	42.3	1.3	34.3

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	8.1	—	8.0	—	12.3	—	S
Single modes	8.5	1.0	8.3	1.5	12.9	1.8	S
Truck	8.6	1.1	8.4	1.5	13.3	2.5	S
For-hire truck	12.9	3.9	13.2	4.0	18.1	4.3	7.9
Private truck	13.1	4.2	12.2	3.7	12.1	2.8	S
Rail	26.3	.6	20.9	.7	25.5	2.2	16.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	33.6	.8	33.0	.3	34.1	1.7	S
Parcel, U.S. Postal Service or courier	S	S	S	S	48.6	.2	S
Truck and rail	34.7	.4	37.8	.3	35.1	1.6	14.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	39.8	.7	38.0	1.4	S	S	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	5.1	—	7.7	—	10.5	—	17.5
Single modes	5.1	.7	7.8	.6	10.4	.9	15.3
Truck	5.2	.8	7.8	.7	10.9	1.3	15.3
For-hire truck	8.2	2.4	7.4	2.4	12.5	2.7	12.8
Private truck	6.7	2.1	10.2	2.2	12.0	2.1	15.7
Rail	22.9	.1	24.9	.1	30.7	1.2	17.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	45.5	.3	33.2	—	38.9	.6	16.1
Parcel, U.S. Postal Service or courier	S	S	42.9	—	30.0	—	14.8
Truck and rail	33.0	—	36.7	—	40.4	.6	15.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	41.4	.7	41.3	.6	29.2	.5	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	10.6	—	12.2	—	26.1	—	12.7
Single modes	10.6	.7	12.1	.7	26.9	3.1	12.6
Truck	10.6	1.0	12.1	1.0	27.7	3.7	12.6
For-hire truck	23.4	4.9	21.5	5.4	32.1	6.6	29.0
Private truck	7.1	5.1	8.6	5.6	25.6	7.2	12.4
Rail	34.7	.5	34.9	.6	37.2	2.6	21.3
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	24.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	23.3
Truck and rail	S	S	S	S	S	S	20.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	47.2	.5	S	S	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	16.1	—	20.3	—	21.5	—	17.8
Single modes	16.1	1.9	20.8	2.0	21.9	4.6	12.0
Truck	16.1	1.9	20.8	2.0	21.9	4.6	12.0
For-hire truck	27.1	1.6	38.6	3.7	36.6	9.3	15.9
Private truck	16.8	2.4	23.5	4.2	33.2	9.0	8.9
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	40.8	1.1	28.5	.8	30.3	4.4	12.5
Parcel, U.S. Postal Service or courier	40.8	1.1	28.5	.8	30.3	4.4	12.5
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	28.5	1.3	30.1	1.4	45.6	.5	S
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	46.6	—	32.0	—	S	S	39.6
Single modes	48.5	4.2	32.1	2.8	40.8	6.0	S
Truck	48.5	4.2	32.1	2.8	40.8	6.0	S
For-hire truck	S	S	42.2	11.0	39.2	8.6	S
Private truck	S	S	31.0	10.7	S	S	42.7
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	20.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	20.5
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 11, NATURAL SANDS							
Total	32.3	—	27.0	—	28.9	—	21.9
Single modes	31.4	.6	27.5	1.7	28.0	2.1	23.2
Truck	32.4	2.2	28.4	2.6	31.1	5.1	23.5
For-hire truck	S	S	46.8	8.8	41.4	8.9	37.8
Private truck	47.8	8.3	24.6	9.5	32.4	10.8	36.8
Rail	28.6	2.0	28.2	1.7	35.6	3.8	19.4
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	20.6

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	11.6	—	11.6	—	18.8	—	7.1
Single modes	12.1	1.7	11.9	1.3	19.1	1.4	7.3
Truck	12.4	1.8	12.1	1.3	20.8	3.2	7.3
For-hire truck	20.4	4.3	23.3	4.7	26.5	4.6	8.9
Private truck	12.4	4.0	11.9	4.6	16.1	3.1	10.9
Rail	39.0	1.0	30.6	.5	31.7	2.6	36.3
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	40.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	20.9
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	23.8	—	23.3	—	25.6	—	16.5
Single modes	23.8	2.3	23.5	.6	26.9	2.7	17.2
Truck	24.2	3.0	25.6	4.1	28.5	5.6	17.5
For-hire truck	35.6	6.2	24.9	7.1	43.6	6.3	29.1
Private truck	28.6	6.6	36.7	7.3	16.7	7.4	34.9
Rail	S	S	S	S	S	S	20.9
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	24.8
Parcel, U.S. Postal Service or courier	S	S	38.3	—	45.9	—	21.0
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	S	S	S	S	S	S	S
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	25.4	—	26.9	—	S	S	13.9
Single modes	23.8	6.8	28.6	7.5	26.0	12.9	14.5
Truck	24.8	6.9	29.7	7.8	24.2	13.6	14.9
For-hire truck	25.9	7.0	29.2	8.2	20.6	13.9	16.5
Private truck	40.2	1.2	S	S	S	S	18.4
Rail	49.6	3.0	46.8	2.3	46.9	3.8	20.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	21.0

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	15.2	—	12.0	—	21.2	—	27.0
Single modes	15.1	4.2	12.5	3.8	21.8	1.0	28.7
Truck	28.9	6.5	20.0	6.9	17.2	8.8	30.2
For-hire truck	18.9	6.7	23.7	6.9	20.2	6.1	24.2
Private truck	S	S	S	S	37.3	5.2	S
Rail	21.6	5.7	21.9	6.1	28.9	9.2	11.1
Water	41.9	3.6	42.4	3.4	S	S	21.0
Shallow draft	41.9	3.6	42.4	3.4	S	S	21.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	27.4	1.0	28.0	.9	26.6	1.0	17.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	20.9
Rail and water	34.3	.7	34.8	.8	34.1	1.0	18.3
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	40.9	4.4	43.9	4.0	S	S	35.8
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	13.1	—	14.1	—	S	S	10.8
Single modes	13.2	.5	14.1	.4	S	S	8.8
Truck	10.6	5.6	9.7	6.7	13.5	14.1	9.1
For-hire truck	20.0	3.2	15.5	3.4	21.2	7.4	11.5
Private truck	13.3	4.3	12.3	4.5	15.4	8.6	6.8
Rail	S	S	S	S	S	S	21.2
Water	S	S	S	S	S	S	26.5
Shallow draft	S	S	S	S	S	S	25.1
Great Lakes	S	S	S	S	S	S	21.8
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	39.9	5.3	38.5	6.3	S	S	S
Multiple modes	S	S	S	S	S	S	23.8
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	23.8
Other and unknown modes	42.7	.5	42.9	.4	30.0	.3	S
SCTG 18, FUEL OILS							
Total	14.4	—	16.0	—	24.9	—	15.7
Single modes	15.0	2.1	16.6	2.3	29.1	6.2	16.7
Truck	16.2	6.3	16.6	6.8	27.1	9.0	16.6
For-hire truck	33.4	3.5	32.9	4.0	35.6	5.8	35.8
Private truck	11.3	5.7	12.4	6.3	23.4	7.9	15.1
Rail	S	S	S	S	S	S	22.4
Water	42.6	2.0	45.7	2.2	S	S	24.2
Shallow draft	S	S	S	S	S	S	28.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.0
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	41.4	5.4	46.1	5.7	S	S	S
Multiple modes	S	S	S	S	S	S	43.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	S	S	S	S	S	S	28.6

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	14.9	—	19.0	—	16.7	—	S
Single modes	15.0	.5	19.0	.7	16.9	1.3	S
Truck	13.6	5.1	19.5	4.3	16.0	5.6	28.4
For-hire truck	18.6	5.0	26.8	4.8	17.5	5.1	34.8
Private truck	19.9	5.5	21.3	5.2	27.9	4.7	14.8
Rail	42.4	2.8	37.7	2.7	32.5	6.3	21.6
Water	S	S	S	S	S	S	34.9
Shallow draft	S	S	S	S	S	S	33.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	19.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	48.3	.2	S	S	S	S	21.8
Parcel, U.S. Postal Service or courier	S	S	43.0	—	S	S	20.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	22.7	.4	S	S	41.1	1.3	S
SCTG 20, BASIC CHEMICALS							
Total	16.6	—	19.5	—	22.7	—	15.9
Single modes	16.6	1.8	19.6	.5	23.4	1.5	23.2
Truck	18.4	3.1	22.1	5.1	16.2	7.8	23.5
For-hire truck	20.0	3.5	21.2	3.7	14.3	6.0	13.9
Private truck	20.5	2.6	26.1	4.9	33.4	4.2	31.8
Rail	26.2	1.3	36.3	3.3	29.4	4.9	41.0
Water	S	S	S	S	S	S	24.6
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	38.0
Air (includes truck and air)	46.9	.3	32.7	—	35.2	—	12.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	28.5	1.5	44.1	.2	S	S	17.6
Parcel, U.S. Postal Service or courier	30.3	1.4	S	S	47.8	.2	17.2
Truck and rail	36.5	.2	S	S	S	S	16.2
Truck and water	S	S	S	S	S	S	22.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	41.3
Other and unknown modes	26.2	.9	28.5	.4	S	S	24.8
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	9.9	—	26.1	—	9.6	—	8.1
Single modes	10.0	4.1	30.0	3.9	11.3	4.9	19.0
Truck	10.3	4.2	30.5	3.9	11.9	4.8	25.6
For-hire truck	11.7	3.2	11.8	5.3	12.2	4.8	20.4
Private truck	16.0	2.5	S	S	20.6	1.3	22.5
Rail	S	S	S	S	S	S	21.4
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	22.1	.4	25.2	.5	25.2	1.4	12.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	23.6	4.3	27.1	3.9	36.3	4.9	6.6
Parcel, U.S. Postal Service or courier	23.5	4.3	27.1	3.8	36.6	4.8	6.6
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	34.4	.3	38.5	.6	35.4	.3	42.0

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	32.4	—	45.9	—	48.1	—	21.6
Single modes	33.5	2.5	46.8	3.8	48.3	3.7	27.3
Truck	33.7	3.1	47.7	5.8	S	S	27.1
For-hire truck	45.1	10.6	S	S	S	S	S
Private truck	39.1	10.4	28.2	11.5	30.3	13.8	13.8
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.8
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	46.8	1.9	S	S	S	S	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	22.2	—	7.0	—	10.0	—	10.6
Single modes	22.3	2.1	7.5	1.0	10.5	1.0	13.9
Truck	22.8	2.1	7.8	1.9	11.3	3.3	13.5
For-hire truck	27.7	3.4	9.2	3.7	11.9	4.1	5.5
Private truck	14.1	3.1	14.9	2.6	19.1	1.4	24.4
Rail	45.9	.6	44.1	1.9	43.2	3.6	20.4
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	39.3	.4	S	S	S	S	8.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	30.8	2.0	18.3	.6	18.0	.8	9.2
Parcel, U.S. Postal Service or courier	31.2	2.0	19.2	.5	17.5	.5	9.2
Truck and rail	38.1	.1	S	S	35.3	.6	18.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	43.0	1.2	22.5	.8	35.1	.6	S
SCTG 24, PLASTICS AND RUBBER							
Total	4.8	—	9.4	—	15.2	—	8.0
Single modes	5.2	1.2	9.4	1.0	16.2	1.2	10.1
Truck	5.2	1.7	8.3	3.6	14.2	3.7	10.7
For-hire truck	7.2	2.3	11.0	3.6	16.4	3.8	5.4
Private truck	8.7	2.4	15.1	3.8	29.1	3.2	22.6
Rail	45.6	1.2	S	S	S	S	13.0
Water	S	S	S	S	S	S	21.9
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	25.3	.1	34.7	—	30.2	.2	8.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	9.9	1.1	12.5	.3	15.6	.7	7.6
Parcel, U.S. Postal Service or courier	10.5	1.2	15.6	.3	12.7	.3	7.6
Truck and rail	26.0	.1	27.1	.1	28.4	.6	13.8
Truck and water	46.2	—	48.1	—	49.9	—	21.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	18.5	.6	25.4	.8	34.3	1.0	26.0

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	39.9	—	27.5	—	19.1	—	S
Single modes	41.1	3.0	28.2	2.8	20.5	3.4	S
Truck	43.2	5.6	29.1	4.3	24.8	6.8	S
For-hire truck	S	S	44.2	7.0	35.2	6.9	32.5
Private truck	30.5	9.0	37.6	8.4	36.2	9.0	22.5
Rail	35.1	4.1	38.4	2.5	32.5	5.3	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	39.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	46.5	3.0	S	S	S	S	26.5
SCTG 26, WOOD PRODUCTS							
Total	7.6	—	8.6	—	20.7	—	13.9
Single modes	7.3	1.7	7.5	2.1	10.0	6.4	8.1
Truck	7.3	1.7	7.5	2.1	10.1	6.3	8.1
For-hire truck	10.7	2.0	10.1	3.6	11.9	4.7	14.4
Private truck	8.0	2.0	11.4	3.8	13.1	4.0	5.2
Rail	36.4	.2	37.6	.1	47.3	1.2	19.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	46.8	—	49.0	—	19.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	30.0	.1	29.5	1.2	17.2
Parcel, U.S. Postal Service or courier	S	S	36.2	.1	38.2	.4	17.3
Truck and rail	40.6	.1	40.8	—	32.9	1.0	48.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	29.9	1.0	S	S	S	S	S
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	7.9	—	13.8	—	11.2	—	26.8
Single modes	7.9	.9	14.0	1.1	11.7	2.5	15.8
Truck	8.2	1.3	14.3	1.6	11.4	3.5	16.6
For-hire truck	9.3	2.4	17.1	2.3	11.7	3.2	14.0
Private truck	9.9	2.0	9.8	2.3	19.9	1.0	15.5
Rail	21.7	1.1	24.3	1.6	29.6	3.1	34.8
Water	S	S	S	S	S	S	21.9
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	18.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	25.2	.8	28.2	.4	S	S	S
Parcel, U.S. Postal Service or courier	29.6	.8	26.4	.2	26.5	—	S
Truck and rail	S	S	S	S	S	S	20.0
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	25.2	.3	43.0	1.0	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	9.5	—	8.0	—	16.1	—	13.6
Single modes	9.0	1.2	8.2	.8	16.9	1.5	13.1
Truck	9.0	1.2	8.2	.8	16.9	1.5	13.3
For-hire truck	11.3	3.5	11.7	4.5	16.9	3.4	12.8
Private truck	11.4	3.2	15.2	4.5	38.2	3.1	10.9
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	16.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	23.4	1.0	21.3	.3	37.4	1.4	9.4
Parcel, U.S. Postal Service or courier	24.1	1.0	22.5	.2	24.9	.6	9.4
Truck and rail	S	S	S	S	S	S	18.9
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	40.8	.7	37.4	.6	41.2	.6	S
SCTG 29, PRINTED PRODUCTS							
Total	38.8	—	12.7	—	24.6	—	13.5
Single modes	46.2	4.0	13.5	1.3	26.3	2.6	24.5
Truck	43.9	3.7	13.5	1.5	26.8	3.0	25.8
For-hire truck	S	S	21.8	4.7	30.9	4.5	15.4
Private truck	13.8	4.8	19.2	5.2	45.5	3.8	45.8
Rail	36.8	.1	S	S	44.7	.2	23.6
Water	S	S	S	S	S	S	21.8
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	S	S	35.6	.2	28.1	.9	13.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	21.5	3.8	20.4	1.0	31.8	2.3	9.5
Parcel, U.S. Postal Service or courier	21.5	3.8	20.6	1.0	32.4	2.3	9.5
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	21.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	16.8	1.0	22.3	1.0	33.9	1.3	15.2
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	9.9	—	11.3	—	13.0	—	6.7
Single modes	9.2	2.9	10.5	2.0	12.2	3.1	5.0
Truck	9.5	2.8	10.6	1.9	12.7	3.0	5.0
For-hire truck	10.2	3.1	11.4	2.9	15.3	3.6	4.7
Private truck	17.7	2.9	14.6	2.5	14.1	1.8	12.5
Rail	S	S	S	S	S	S	21.3
Water	S	S	S	S	S	S	21.7
Shallow draft	S	S	S	S	S	S	22.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	24.3
Air (includes truck and air)	18.9	.2	21.3	—	25.3	.2	7.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	20.1	2.9	25.7	1.9	36.0	3.1	8.5
Parcel, U.S. Postal Service or courier	20.1	2.9	25.7	1.8	36.5	3.0	8.5
Truck and rail	41.3	—	37.1	—	37.7	.2	19.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	21.7	1.0	31.2	1.2	37.2	1.5	29.9

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	6.5	—	23.2	—	8.5	—	18.3
Single modes	6.7	1.7	23.6	.6	8.1	1.7	14.0
Truck	6.8	1.7	23.8	.6	7.5	2.1	14.6
For-hire truck	7.5	2.9	40.5	4.8	8.2	2.8	10.3
Private truck	13.7	2.4	15.4	4.7	9.4	1.8	9.4
Rail	27.3	.1	31.0	.2	43.6	1.6	17.9
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	44.6	.3	S	S	S	S	9.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	28.3	1.2	27.4	—	32.3	.2	11.7
Parcel, U.S. Postal Service or courier	28.4	1.2	21.5	—	40.3	.2	11.7
Truck and rail	S	S	S	S	S	S	23.6
Truck and water	S	S	S	S	S	S	22.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	16.0	.8	30.8	.6	23.7	1.7	35.2
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	16.9	—	13.0	—	11.4	—	10.8
Single modes	17.7	1.3	9.3	3.2	11.7	1.8	12.6
Truck	18.2	2.0	8.2	4.4	10.2	4.2	10.8
For-hire truck	24.0	2.7	10.2	3.6	12.1	3.9	5.6
Private truck	8.4	2.5	16.2	2.7	20.2	2.2	16.5
Rail	28.0	1.3	28.2	2.4	30.5	3.8	17.7
Water	S	S	S	S	S	S	22.7
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.7
Air (includes truck and air)	22.5	.1	39.8	.1	37.5	.3	8.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	22.5	.8	45.8	.4	S	S	8.2
Parcel, U.S. Postal Service or courier	24.8	.6	26.0	—	34.7	.1	8.5
Truck and rail	44.7	.1	44.4	—	48.5	.2	17.8
Truck and water	S	S	S	S	S	S	21.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	36.8	1.0	41.7
SCTG 33, ARTICLES OF BASE METAL							
Total	5.6	—	12.2	—	10.9	—	14.0
Single modes	6.9	2.5	13.0	3.6	12.4	2.9	12.9
Truck	7.1	2.8	13.4	4.2	12.3	4.3	13.0
For-hire truck	8.3	3.0	17.8	4.5	13.4	4.2	6.7
Private truck	12.4	3.0	14.9	3.6	20.5	2.5	20.8
Rail	S	S	S	S	S	S	16.8
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	27.7	.3	38.7	.1	41.1	.3	10.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	13.9	2.3	26.6	.6	41.5	2.4	13.5
Parcel, U.S. Postal Service or courier	13.0	2.1	11.5	.3	26.4	.5	13.5
Truck and rail	S	S	S	S	S	S	19.6
Truck and water	S	S	S	S	S	S	22.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	18.4	.7	S	S	21.3	2.3	46.5

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	5.6	—	8.1	—	9.5	—	12.5
Single modes	6.4	1.5	8.7	1.4	10.0	1.9	8.8
Truck	6.6	1.7	8.9	1.6	9.7	2.4	11.4
For-hire truck	8.4	2.4	11.7	3.3	11.1	2.8	8.2
Private truck	10.3	2.1	17.9	3.6	15.9	2.0	17.7
Rail	S	S	S	S	S	S	21.1
Water	S	S	S	S	S	S	28.6
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	26.9	.8	46.0	.5	S	S	5.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	8.1	1.1	18.3	.8	25.5	1.6	10.7
Parcel, U.S. Postal Service or courier	8.3	1.2	10.2	.4	14.9	.7	10.7
Truck and rail	41.2	.4	48.4	.7	47.4	1.3	26.8
Truck and water	S	S	S	S	S	S	22.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	17.0	.7	27.4	.8	32.8	.7	43.4
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	8.2	—	5.2	—	6.7	—	10.1
Single modes	11.7	2.8	6.1	1.5	7.3	2.6	14.5
Truck	9.8	2.4	5.9	1.4	7.6	3.0	14.6
For-hire truck	12.1	2.5	6.8	1.9	7.8	3.0	5.2
Private truck	9.2	.9	11.7	1.5	20.4	.8	27.2
Rail	S	S	S	S	S	S	S
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	30.4	2.4	26.3	.5	31.4	1.5	3.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	9.2	2.5	12.6	1.2	19.2	2.2	8.6
Parcel, U.S. Postal Service or courier	9.3	2.5	12.4	1.0	10.4	1.5	8.6
Truck and rail	46.4	.1	45.8	.6	S	S	19.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	16.3	.9	20.5	.9	42.8	1.0	S
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	8.8	—	9.3	—	11.4	—	13.0
Single modes	8.5	2.5	8.6	2.3	10.6	2.5	16.9
Truck	10.2	4.2	10.0	3.8	9.7	4.7	15.9
For-hire truck	15.0	4.2	15.8	3.3	15.3	4.0	10.5
Private truck	9.7	2.6	8.5	3.0	13.9	2.5	24.3
Rail	42.9	3.6	24.8	2.9	29.6	4.1	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	11.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	19.6	.9	26.5	.4	38.1	1.2	7.0
Parcel, U.S. Postal Service or courier	20.7	.9	18.4	.3	30.8	.7	7.0
Truck and rail	44.0	.3	S	S	S	S	21.1
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	37.0	2.2	30.1	2.0	33.8	1.6	S

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	14.9	—	27.5	—	43.2	—	6.3
Single modes	15.3	5.3	26.8	2.3	41.9	1.7	13.8
Truck	16.3	4.4	31.2	6.5	S	S	14.5
For-hire truck	16.5	4.2	31.1	6.8	S	S	9.1
Private truck	29.1	2.6	41.7	5.3	S	S	27.2
Rail	45.6	2.9	42.9	6.8	37.7	7.4	18.1
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.0
Air (includes truck and air)	25.6	3.3	35.9	.8	42.6	1.8	6.7
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.3	5.1	S	S	S	S	7.4
Parcel, U.S. Postal Service or courier	24.5	5.1	39.3	2.3	42.8	1.7	7.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	19.7
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	10.5	—	15.4	—	18.6	—	6.8
Single modes	10.3	2.8	16.0	3.0	24.8	4.1	9.7
Truck	10.2	3.0	16.7	3.3	27.5	4.6	15.0
For-hire truck	11.0	2.6	14.9	3.9	28.6	4.7	8.0
Private truck	15.7	1.3	33.4	2.3	28.5	.7	49.5
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	30.2	.9	23.3	.9	22.4	1.9	5.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	13.3	3.0	20.2	3.2	27.4	4.3	6.4
Parcel, U.S. Postal Service or courier	13.3	3.0	20.2	3.2	27.5	4.3	6.4
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	19.3	.7	S	S	S	S	27.9
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	10.9	—	12.1	—	14.9	—	10.4
Single modes	11.1	1.8	12.6	1.4	13.0	2.1	13.5
Truck	11.1	1.8	12.6	1.4	13.0	2.1	13.9
For-hire truck	13.8	3.5	14.1	4.0	14.6	3.3	5.9
Private truck	15.1	4.3	18.9	4.6	19.9	2.3	22.5
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	32.4	—	36.5	—	44.5	.1	17.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	34.1	1.3	26.3	.5	35.5	1.3	22.2
Parcel, U.S. Postal Service or courier	34.4	1.3	26.9	.5	38.6	.9	22.2
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	37.3	1.3	44.0	1.4	S	S	S

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	8.1	—	S	S	11.7	—	4.9
Single modes	13.7	2.8	S	S	13.7	2.1	9.2
Truck	14.4	2.7	S	S	14.5	2.7	9.5
For-hire truck	9.7	2.1	22.2	8.7	17.4	3.0	6.5
Private truck	32.8	2.9	S	S	25.3	3.0	22.1
Rail	S	S	S	S	49.5	1.7	S
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	24.5	.6	36.7	—	21.8	.1	8.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	8.0	2.8	14.0	2.1	16.1	2.0	4.0
Parcel, U.S. Postal Service or courier	8.1	2.8	14.3	2.1	17.0	1.8	4.0
Truck and rail	S	S	S	S	S	S	19.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.1
Other and unknown modes	24.1	1.3	13.6	.9	27.2	.8	34.5
SCTG 41, WASTE AND SCRAP							
Total	16.2	—	18.4	—	42.0	—	18.3
Single modes	15.1	1.4	16.6	2.5	16.7	9.2	18.9
Truck	14.5	3.3	15.9	5.1	14.5	10.1	20.2
For-hire truck	18.2	5.3	21.9	5.7	19.9	8.5	21.7
Private truck	25.9	5.4	16.6	5.6	40.8	6.5	33.6
Rail	32.5	2.7	32.2	3.8	35.6	6.4	23.6
Water	S	S	S	S	S	S	21.8
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	24.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	S	S	S	S	S	S	22.3
Truck and water	S	S	S	S	S	S	31.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	46.3	1.0	S	S	S	S	S
SCTG 43, MIXED FREIGHT							
Total	14.0	—	13.2	—	16.6	—	16.8
Single modes	15.1	1.7	13.7	1.5	16.8	3.9	16.0
Truck	15.1	1.7	13.7	1.5	17.2	4.1	15.4
For-hire truck	24.5	2.5	29.5	2.6	35.8	6.4	34.2
Private truck	17.1	3.3	14.1	3.2	14.3	7.5	13.0
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	23.3	1.2	28.3	.3	33.1	1.4	18.4
Parcel, U.S. Postal Service or courier	25.2	1.2	30.0	.4	28.6	1.3	18.5
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	45.6	1.2	S	S	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	24.2	—	24.5	—	31.6	—	14.7
Single modes	28.5	4.8	26.9	5.6	28.3	7.8	23.4
Truck	29.3	5.6	28.1	6.4	31.3	8.6	31.8
For-hire truck	33.3	6.0	27.8	7.0	36.8	7.2	10.7
Private truck	S	S	40.8	7.7	25.8	4.8	S
Rail	S	S	S	S	S	S	24.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	41.6	1.3	46.1	—	S	S	17.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.9	4.1	32.5	1.1	35.0	4.6	15.7
Parcel, U.S. Postal Service or courier	25.1	4.1	36.6	1.1	40.2	4.6	15.8
Truck and rail	S	S	S	S	S	S	22.0
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	45.2	2.2	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	4.3	5.7	5.2
Less than 50 miles	2.3	8.2	9.8
50 to 99 miles	6.8	6.0	6.2
100 to 249 miles	11.3	6.7	8.6
250 to 499 miles	5.2	5.7	7.9
500 to 749 miles	7.2	8.8	11.1
750 to 999 miles	7.1	15.1	17.4
1,000 to 1,499 miles	4.5	21.5	21.3
1,500 to 1,999 miles	14.5	12.4	12.2
2,000 miles or more	7.0	6.0	6.6
SCTG 01, Live animals and live fish	25.3	29.6	33.4
Less than 50 miles	S	S	38.5
50 to 99 miles	36.6	38.0	37.0
100 to 249 miles	28.4	23.6	23.3
250 to 499 miles	37.4	40.5	43.0
500 to 749 miles	38.0	39.8	39.7
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	32.0	21.1	37.3
Less than 50 miles	20.0	25.4	29.6
50 to 99 miles	35.4	41.2	40.6
100 to 249 miles	32.8	29.3	31.8
250 to 499 miles	S	40.1	41.5
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	27.6	32.7	25.0
Less than 50 miles	27.2	32.5	38.8
50 to 99 miles	S	S	S
100 to 249 miles	16.3	24.5	27.3
250 to 499 miles	21.0	44.7	43.7
500 to 749 miles	25.7	29.5	29.7
750 to 999 miles	32.0	42.6	41.1
1,000 to 1,499 miles	29.3	32.2	30.8
1,500 to 1,999 miles	40.1	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	17.3	21.9	14.2
Less than 50 miles	25.9	30.7	34.9
50 to 99 miles	27.7	23.5	23.6
100 to 249 miles	24.4	24.2	22.6
250 to 499 miles	27.6	23.8	23.7
500 to 749 miles	28.1	28.6	28.3
750 to 999 miles	32.4	30.8	30.7
1,000 to 1,499 miles	37.6	28.4	28.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	45.2	47.2
SCTG 05, Meat, fish, seafood, and their preparations	12.0	11.5	24.2
Less than 50 miles	13.7	14.6	14.7
50 to 99 miles	15.3	12.8	12.5
100 to 249 miles	12.3	14.9	14.7
250 to 499 miles	18.2	16.9	19.1
500 to 749 miles	36.2	35.6	37.9
750 to 999 miles	S	46.5	45.8
1,000 to 1,499 miles	33.7	35.9	36.9
1,500 to 1,999 miles	47.8	48.7	48.9
2,000 miles or more	24.2	25.5	25.6
SCTG 06, Milled grain products and preparations, and bakery products	8.1	8.0	12.3
Less than 50 miles	14.2	12.6	13.9
50 to 99 miles	21.2	18.8	19.4
100 to 249 miles	7.3	12.7	12.5
250 to 499 miles	10.9	11.9	11.4
500 to 749 miles	17.0	20.9	20.6
750 to 999 miles	22.6	18.9	19.2
1,000 to 1,499 miles	20.6	19.4	20.0
1,500 to 1,999 miles	S	34.0	33.5
2,000 miles or more	18.2	28.2	28.3
SCTG 07, Other prepared foodstuffs and fats and oils	5.1	7.7	10.5
Less than 50 miles	5.2	11.5	16.6
50 to 99 miles	12.7	14.5	14.2
100 to 249 miles	8.9	10.7	11.7
250 to 499 miles	15.2	11.5	11.2
500 to 749 miles	14.5	20.4	21.5
750 to 999 miles	14.7	19.8	18.8
1,000 to 1,499 miles	14.1	14.5	14.5
1,500 to 1,999 miles	18.1	22.9	24.5
2,000 miles or more	14.5	13.3	13.3

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	10.6	12.2	26.1
Less than 50 miles	7.7	7.4	9.4
50 to 99 miles	19.9	21.3	21.9
100 to 249 miles	28.1	27.4	27.5
250 to 499 miles	29.5	26.4	27.4
500 to 749 miles	39.9	39.0	41.3
750 to 999 miles	46.0	46.2	45.7
1,000 to 1,499 miles	43.6	43.0	42.5
1,500 to 1,999 miles	S	43.4	42.4
2,000 miles or more	40.3	35.4	38.2
SCTG 09, Tobacco products	16.1	20.3	21.5
Less than 50 miles	16.0	22.9	27.2
50 to 99 miles	34.1	39.3	38.9
100 to 249 miles	35.8	30.4	28.2
250 to 499 miles	30.6	S	S
500 to 749 miles	40.0	48.6	S
750 to 999 miles	30.8	33.3	32.8
1,000 to 1,499 miles	44.9	31.4	31.5
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	46.6	32.0	S
Less than 50 miles	S	33.2	33.6
50 to 99 miles	S	47.1	46.7
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	36.8	38.1	37.5
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	32.3	27.0	28.9
Less than 50 miles	28.0	30.5	39.0
50 to 99 miles	48.3	S	S
100 to 249 miles	S	45.6	35.7
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	11.6	11.6	18.8
Less than 50 miles	12.1	11.2	19.0
50 to 99 miles	21.3	34.0	32.0
100 to 249 miles	27.0	28.3	27.9
250 to 499 miles	38.6	S	45.4
500 to 749 miles	S	S	S
750 to 999 miles	—	—	—
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	23.8	23.3	25.6
Less than 50 miles	27.0	29.7	39.5
50 to 99 miles	24.7	42.1	41.0
100 to 249 miles	35.0	31.0	30.5
250 to 499 miles	S	S	S
500 to 749 miles	29.6	49.6	48.5
750 to 999 miles	43.1	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	44.2	44.7
SCTG 14, Metallic ores and concentrates	25.4	26.9	S
Less than 50 miles	30.3	38.2	31.1
50 to 99 miles	47.4	S	S
100 to 249 miles	39.6	30.0	35.4
250 to 499 miles	36.7	36.2	36.7
500 to 749 miles	31.1	32.6	32.4
750 to 999 miles	41.7	41.7	41.4
1,000 to 1,499 miles	41.4	41.1	40.6
1,500 to 1,999 miles	41.5	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	15.2	12.0	21.2
Less than 50 miles	26.5	15.9	16.9
50 to 99 miles	22.5	25.2	26.3
100 to 249 miles	17.0	18.5	19.7
250 to 499 miles	20.0	19.7	25.3
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	13.1	14.1	S
Less than 50 miles	13.6	14.4	13.0
50 to 99 miles	19.9	18.5	18.1
100 to 249 miles	32.5	33.6	35.6
250 to 499 miles	41.3	40.8	41.9
500 to 749 miles	—	—	—
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	14.4	16.0	24.9
Less than 50 miles	14.7	14.9	14.1
50 to 99 miles	36.9	40.1	46.8
100 to 249 miles	47.4	S	43.8
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	14.9	19.0	16.7
Less than 50 miles	22.9	22.4	26.0
50 to 99 miles	21.3	23.8	24.4
100 to 249 miles	22.3	22.9	24.8
250 to 499 miles	38.8	41.9	41.7
500 to 749 miles	28.3	41.3	41.6
750 to 999 miles	39.0	48.0	S
1,000 to 1,499 miles	48.2	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	36.2	40.1	41.0
SCTG 20, Basic chemicals	16.6	19.5	22.7
Less than 50 miles	22.0	24.2	30.7
50 to 99 miles	22.9	28.5	31.6
100 to 249 miles	36.4	27.6	27.3
250 to 499 miles	16.3	28.5	29.2
500 to 749 miles	15.9	20.6	20.2
750 to 999 miles	21.1	24.1	23.9
1,000 to 1,499 miles	16.0	S	48.6
1,500 to 1,999 miles	25.0	S	S
2,000 miles or more	12.6	14.0	14.2
SCTG 21, Pharmaceutical products	9.9	26.1	9.6
Less than 50 miles	13.9	S	37.2
50 to 99 miles	13.3	15.9	14.4
100 to 249 miles	11.9	17.0	16.7
250 to 499 miles	13.4	19.3	18.5
500 to 749 miles	13.1	15.1	15.5
750 to 999 miles	38.2	27.6	28.3
1,000 to 1,499 miles	41.7	24.6	23.7
1,500 to 1,999 miles	43.7	25.2	25.5
2,000 miles or more	27.5	16.4	16.7
SCTG 22, Fertilizers	32.4	45.9	48.1
Less than 50 miles	29.1	31.5	35.4
50 to 99 miles	38.8	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	44.1	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	22.2	7.0	10.0
Less than 50 miles	8.6	12.6	12.4
50 to 99 miles	13.7	20.8	17.3
100 to 249 miles	31.4	12.4	13.0
250 to 499 miles	22.8	15.1	16.6
500 to 749 miles	46.6	11.0	11.5
750 to 999 miles	31.0	17.4	17.3
1,000 to 1,499 miles	22.1	17.6	18.0
1,500 to 1,999 miles	S	19.4	19.4
2,000 miles or more	34.8	24.7	21.7
SCTG 24, Plastics and rubber	4.8	9.4	15.2
Less than 50 miles	9.3	20.4	15.7
50 to 99 miles	7.1	12.6	11.9
100 to 249 miles	5.1	8.9	10.2
250 to 499 miles	8.7	14.2	13.4
500 to 749 miles	11.8	22.4	22.0
750 to 999 miles	9.0	15.4	15.2
1,000 to 1,499 miles	12.3	30.3	35.7
1,500 to 1,999 miles	14.4	22.8	22.7
2,000 miles or more	11.4	27.7	31.2

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	39.9	27.5	19.1
Less than 50 miles	26.1	33.0	39.3
50 to 99 miles	35.2	S	46.4
100 to 249 miles	S	32.8	29.9
250 to 499 miles	40.1	42.2	39.2
500 to 749 miles	S	48.9	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	7.6	8.6	20.7
Less than 50 miles	10.4	10.7	10.6
50 to 99 miles	7.3	10.9	11.1
100 to 249 miles	10.3	12.7	12.7
250 to 499 miles	13.1	21.2	24.0
500 to 749 miles	42.2	S	S
750 to 999 miles	25.6	38.1	36.8
1,000 to 1,499 miles	28.7	47.8	46.4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	18.0	34.4	33.8
SCTG 27, Pulp, newsprint, paper, and paperboard	7.9	13.8	11.2
Less than 50 miles	10.4	23.0	26.1
50 to 99 miles	16.9	14.0	14.2
100 to 249 miles	15.8	16.7	14.7
250 to 499 miles	11.5	16.4	16.7
500 to 749 miles	9.8	12.3	12.5
750 to 999 miles	13.2	19.6	20.4
1,000 to 1,499 miles	15.7	16.3	17.4
1,500 to 1,999 miles	33.1	24.7	25.0
2,000 miles or more	13.2	19.6	20.0
SCTG 28, Paper or paperboard articles	9.5	8.0	16.1
Less than 50 miles	9.7	11.1	13.6
50 to 99 miles	12.7	15.4	16.6
100 to 249 miles	13.5	13.1	13.9
250 to 499 miles	21.5	18.1	18.3
500 to 749 miles	39.0	39.1	39.0
750 to 999 miles	26.6	25.2	24.5
1,000 to 1,499 miles	17.3	24.5	25.4
1,500 to 1,999 miles	35.9	S	S
2,000 miles or more	19.5	33.8	31.8
SCTG 29, Printed products	38.8	12.7	24.6
Less than 50 miles	15.7	15.6	21.1
50 to 99 miles	47.4	22.8	24.1
100 to 249 miles	S	29.8	32.6
250 to 499 miles	44.2	16.6	17.7
500 to 749 miles	44.0	37.0	38.5
750 to 999 miles	38.2	26.2	26.0
1,000 to 1,499 miles	36.7	19.9	20.7
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	37.7	36.9
SCTG 30, Textiles, leather, and articles of textiles or leather	9.9	11.3	13.0
Less than 50 miles	8.2	13.3	11.7
50 to 99 miles	15.1	13.7	14.4
100 to 249 miles	8.5	12.2	11.4
250 to 499 miles	11.0	13.0	13.4
500 to 749 miles	11.9	14.0	14.0
750 to 999 miles	37.6	36.4	35.3
1,000 to 1,499 miles	16.3	24.5	25.7
1,500 to 1,999 miles	20.3	14.5	14.6
2,000 miles or more	14.2	13.2	13.4
SCTG 31, Nonmetallic mineral products	6.5	23.2	8.5
Less than 50 miles	13.8	31.1	24.3
50 to 99 miles	9.1	11.0	10.1
100 to 249 miles	8.6	9.4	8.2
250 to 499 miles	7.9	10.0	9.9
500 to 749 miles	15.0	13.0	13.0
750 to 999 miles	22.4	19.4	19.2
1,000 to 1,499 miles	17.9	17.4	17.4
1,500 to 1,999 miles	23.2	29.5	30.5
2,000 miles or more	16.2	37.9	35.5
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	16.9	13.0	11.4
Less than 50 miles	10.2	32.4	15.5
50 to 99 miles	13.7	11.9	12.2
100 to 249 miles	13.4	12.7	15.7
250 to 499 miles	33.0	14.0	14.5
500 to 749 miles	24.3	14.4	15.8
750 to 999 miles	19.6	16.1	16.2
1,000 to 1,499 miles	13.1	15.7	17.3
1,500 to 1,999 miles	26.5	25.3	24.9
2,000 miles or more	32.9	20.0	20.1

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	5.6	12.2	10.9
Less than 50 miles	7.1	15.7	19.5
50 to 99 miles	11.4	24.8	24.2
100 to 249 miles	12.3	24.3	29.9
250 to 499 miles	8.7	17.7	17.6
500 to 749 miles	10.3	11.2	12.6
750 to 999 miles	12.2	13.6	15.5
1,000 to 1,499 miles	11.0	17.5	19.8
1,500 to 1,999 miles	30.7	S	S
2,000 miles or more	20.7	17.8	17.8
SCTG 34, Machinery	5.6	8.1	9.5
Less than 50 miles	5.4	15.9	16.9
50 to 99 miles	14.4	15.6	15.4
100 to 249 miles	10.1	12.4	13.6
250 to 499 miles	10.9	14.4	13.9
500 to 749 miles	9.0	11.4	11.8
750 to 999 miles	19.9	19.2	18.9
1,000 to 1,499 miles	11.1	14.8	14.3
1,500 to 1,999 miles	19.8	20.6	20.0
2,000 miles or more	12.8	14.1	14.6
SCTG 35, Electronic and other electrical equipment and components and office equipment	8.2	5.2	6.7
Less than 50 miles	10.2	8.3	13.9
50 to 99 miles	40.4	15.5	15.9
100 to 249 miles	9.1	9.3	8.3
250 to 499 miles	11.1	19.0	18.7
500 to 749 miles	23.2	17.4	17.1
750 to 999 miles	9.9	21.8	21.5
1,000 to 1,499 miles	16.5	13.3	12.6
1,500 to 1,999 miles	14.8	22.9	23.5
2,000 miles or more	11.7	13.0	13.1
SCTG 36, Motorized and other vehicles (including parts)	8.8	9.3	11.4
Less than 50 miles	13.6	14.1	20.1
50 to 99 miles	17.4	17.9	17.3
100 to 249 miles	11.7	9.7	9.7
250 to 499 miles	16.3	13.9	15.6
500 to 749 miles	22.0	26.3	24.9
750 to 999 miles	15.1	17.4	17.7
1,000 to 1,499 miles	20.9	32.4	32.2
1,500 to 1,999 miles	28.7	29.0	28.8
2,000 miles or more	19.0	15.9	15.9
SCTG 37, Transportation equipment, n.e.c.	14.9	27.5	43.2
Less than 50 miles	27.8	31.0	31.4
50 to 99 miles	26.4	23.2	23.1
100 to 249 miles	21.5	25.7	25.9
250 to 499 miles	31.2	S	S
500 to 749 miles	37.7	S	S
750 to 999 miles	19.1	30.9	31.5
1,000 to 1,499 miles	32.5	36.5	38.9
1,500 to 1,999 miles	S	S	S
2,000 miles or more	22.6	S	S
SCTG 38, Precision instruments and apparatus	10.5	15.4	18.6
Less than 50 miles	13.6	18.6	24.0
50 to 99 miles	16.6	38.2	36.9
100 to 249 miles	14.1	17.2	15.9
250 to 499 miles	21.8	24.9	22.2
500 to 749 miles	15.7	15.2	15.2
750 to 999 miles	19.2	26.1	26.8
1,000 to 1,499 miles	15.1	20.3	19.5
1,500 to 1,999 miles	21.5	33.1	33.2
2,000 miles or more	15.3	30.2	30.1
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.9	12.1	14.9
Less than 50 miles	15.6	19.5	23.2
50 to 99 miles	18.5	22.7	22.9
100 to 249 miles	13.4	15.8	12.8
250 to 499 miles	23.2	18.2	19.7
500 to 749 miles	14.5	22.2	24.3
750 to 999 miles	17.9	23.1	23.7
1,000 to 1,499 miles	21.8	22.0	22.0
1,500 to 1,999 miles	29.0	36.5	36.2
2,000 miles or more	19.5	23.7	23.9
SCTG 40, Miscellaneous manufactured products	8.1	S	11.7
Less than 50 miles	13.4	S	27.4
50 to 99 miles	30.4	47.5	43.1
100 to 249 miles	11.3	20.5	18.6
250 to 499 miles	9.4	17.0	16.8
500 to 749 miles	8.6	16.1	16.9
750 to 999 miles	12.1	16.1	15.5
1,000 to 1,499 miles	8.3	15.7	16.2
1,500 to 1,999 miles	29.7	19.2	18.5
2,000 miles or more	7.8	20.2	20.0

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	16.2	18.4	42.0
Less than 50 miles	24.6	23.7	34.2
50 to 99 miles	20.8	13.3	14.1
100 to 249 miles	17.8	16.6	16.8
250 to 499 miles	22.2	32.6	33.8
500 to 749 miles	37.8	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	14.0	13.2	16.6
Less than 50 miles	15.8	15.6	13.8
50 to 99 miles	21.0	17.0	16.3
100 to 249 miles	12.2	12.9	13.5
250 to 499 miles	17.8	28.2	29.0
500 to 749 miles	47.5	39.1	41.3
750 to 999 miles	S	40.0	39.0
1,000 to 1,499 miles	30.4	39.8	39.6
1,500 to 1,999 miles	39.7	S	S
2,000 miles or more	S	47.5	45.9
Commodity unknown	24.2	24.5	31.6
Less than 50 miles	46.0	37.5	S
50 to 99 miles	21.8	45.5	38.7
100 to 249 miles	24.7	22.1	24.9
250 to 499 miles	18.7	21.7	22.1
500 to 749 miles	41.4	43.1	42.0
750 to 999 miles	25.9	29.7	30.8
1,000 to 1,499 miles	29.5	25.8	26.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	30.4	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	4.3	5.7	5.2
Less than 50 lb	6.5	8.8	10.5
50 to 99 lb	5.6	6.9	11.9
100 to 499 lb	7.8	6.7	11.7
500 to 749 lb	5.7	6.6	13.3
750 to 999 lb	12.9	5.9	25.8
1,000 to 9,999 lb	9.6	3.0	4.4
10,000 to 49,999 lb	4.3	7.9	3.7
50,000 to 99,999 lb	6.3	9.5	6.9
100,000 lb or more	12.3	13.8	15.4
SCTG 01, Live animals and live fish	25.3	29.6	33.4
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	48.2
500 to 749 lb	S	S	48.9
750 to 999 lb	48.8	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	24.2	26.3	32.8
50,000 to 99,999 lb	38.8	39.5	41.6
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	32.0	21.1	37.3
Less than 50 lb	S	S	S
50 to 99 lb	S	S	47.6
100 to 499 lb	S	S	46.2
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	44.9	S	S
10,000 to 49,999 lb	44.2	26.0	S
50,000 to 99,999 lb	34.5	35.8	30.2
100,000 lb or more	48.2	S	S
SCTG 03, Other agricultural products	27.6	32.7	25.0
Less than 50 lb	23.1	22.9	S
50 to 99 lb	16.5	25.3	S
100 to 499 lb	34.2	33.3	31.2
500 to 749 lb	35.8	38.7	34.2
750 to 999 lb	37.0	32.7	30.0
1,000 to 9,999 lb	35.6	S	46.7
10,000 to 49,999 lb	33.2	33.6	27.8
50,000 to 99,999 lb	38.0	47.2	S
100,000 lb or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	17.3	21.9	14.2
Less than 50 lb	45.0	39.9	47.7
50 to 99 lb	S	34.1	S
100 to 499 lb	37.2	32.6	49.9
500 to 749 lb	34.7	34.7	S
750 to 999 lb	43.1	45.6	S
1,000 to 9,999 lb	36.1	30.2	27.1
10,000 to 49,999 lb	18.0	22.5	16.6
50,000 to 99,999 lb	S	S	19.5
100,000 lb or more	47.0	49.7	S
SCTG 05, Meat, fish, seafood, and their preparations	12.0	11.5	24.2
Less than 50 lb	36.4	32.8	25.7
50 to 99 lb	30.4	26.9	24.0
100 to 499 lb	17.2	16.6	14.5
500 to 749 lb	17.7	16.3	45.1
750 to 999 lb	18.3	19.5	20.7
1,000 to 9,999 lb	13.4	13.9	15.7
10,000 to 49,999 lb	16.1	15.2	28.4
50,000 to 99,999 lb	40.5	S	47.4
100,000 lb or more	47.5	45.7	S
SCTG 06, Milled grain products and preparations, and bakery products	8.1	8.0	12.3
Less than 50 lb	36.9	36.8	29.7
50 to 99 lb	24.8	25.4	43.8
100 to 499 lb	23.6	25.6	45.0
500 to 749 lb	20.9	21.4	24.5
750 to 999 lb	18.3	24.6	34.4
1,000 to 9,999 lb	13.7	15.9	16.8
10,000 to 49,999 lb	11.6	11.3	13.4
50,000 to 99,999 lb	49.7	19.8	19.9
100,000 lb or more	43.5	29.2	S
SCTG 07, Other prepared foodstuffs and fats and oils	5.1	7.7	10.5
Less than 50 lb	33.6	38.0	36.7
50 to 99 lb	22.3	33.0	25.4
100 to 499 lb	15.4	27.2	18.0
500 to 749 lb	18.1	18.5	17.7
750 to 999 lb	11.5	12.5	21.0
1,000 to 9,999 lb	6.7	8.0	9.9
10,000 to 49,999 lb	6.9	8.4	11.8
50,000 to 99,999 lb	26.1	34.2	24.9
100,000 lb or more	38.8	S	42.2

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	10.6	12.2	26.1
Less than 50 lb	33.1	S	S
50 to 99 lb	31.1	17.3	43.9
100 to 499 lb	18.5	14.5	15.2
500 to 749 lb	21.0	20.4	25.0
750 to 999 lb	12.6	14.1	12.7
1,000 to 9,999 lb	9.0	11.7	15.3
10,000 to 49,999 lb	20.6	18.8	28.6
50,000 to 99,999 lb	32.3	30.3	44.5
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	16.1	20.3	21.5
Less than 50 lb	18.3	16.3	21.4
50 to 99 lb	12.5	11.4	24.1
100 to 499 lb	12.9	10.7	23.5
500 to 749 lb	23.4	21.4	40.9
750 to 999 lb	34.6	30.7	45.6
1,000 to 9,999 lb	34.9	44.1	33.3
10,000 to 49,999 lb	48.9	41.5	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	46.6	32.0	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	46.1	35.0	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 11, Natural sands	32.3	27.0	28.9
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	48.7	40.7	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	49.3	32.6	S
10,000 to 49,999 lb	43.0	26.4	34.3
50,000 to 99,999 lb	44.7	S	45.8
100,000 lb or more	33.6	39.6	37.6
SCTG 12, Gravel and crushed stone	11.6	11.6	18.8
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	43.7	36.8	S
500 to 749 lb	S	36.7	S
750 to 999 lb	40.5	38.0	S
1,000 to 9,999 lb	17.3	24.7	32.4
10,000 to 49,999 lb	14.4	18.2	29.2
50,000 to 99,999 lb	13.7	14.0	16.1
100,000 lb or more	30.2	25.4	18.5
SCTG 13, Nonmetallic minerals n.e.c.	23.8	23.3	25.6
Less than 50 lb	41.1	32.6	42.0
50 to 99 lb	S	S	S
100 to 499 lb	31.2	42.7	28.1
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	39.1	22.4	29.7
10,000 to 49,999 lb	36.3	26.2	30.8
50,000 to 99,999 lb	36.0	29.3	36.8
100,000 lb or more	41.6	49.3	40.9
SCTG 14, Metallic ores and concentrates	25.4	26.9	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	49.0	S
10,000 to 49,999 lb	23.5	21.2	S
50,000 to 99,999 lb	28.6	38.5	S
100,000 lb or more	47.0	41.3	43.0
SCTG 15, Coal	15.2	12.0	21.2
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	40.3	23.2	27.7
10,000 to 49,999 lb	39.4	21.1	17.0
50,000 to 99,999 lb	32.6	33.6	20.8
100,000 lb or more	16.4	17.6	23.2

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	13.1	14.1	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	33.2
500 to 749 lb	S	S	S
750 to 999 lb	25.2	26.8	27.9
1,000 to 9,999 lb	16.3	17.8	22.8
10,000 to 49,999 lb	15.0	13.3	20.2
50,000 to 99,999 lb	13.3	11.5	13.5
100,000 lb or more	31.4	31.5	S
SCTG 18, Fuel oils	14.4	16.0	24.9
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	32.4	26.7	33.2
750 to 999 lb	28.2	26.0	29.9
1,000 to 9,999 lb	18.4	17.7	17.6
10,000 to 49,999 lb	28.3	30.4	S
50,000 to 99,999 lb	16.8	19.0	18.4
100,000 lb or more	36.7	41.4	49.5
SCTG 19, Coal and petroleum products, n.e.c.	14.9	19.0	16.7
Less than 50 lb	20.8	21.7	28.5
50 to 99 lb	S	27.2	S
100 to 499 lb	17.2	20.6	22.5
500 to 749 lb	23.9	23.0	25.8
750 to 999 lb	21.5	19.1	26.3
1,000 to 9,999 lb	18.8	17.6	20.1
10,000 to 49,999 lb	20.0	24.5	20.1
50,000 to 99,999 lb	22.1	35.4	28.4
100,000 lb or more	35.1	33.5	25.4
SCTG 20, Basic chemicals	16.6	19.5	22.7
Less than 50 lb	25.0	47.4	35.4
50 to 99 lb	40.5	43.4	29.0
100 to 499 lb	34.9	27.3	29.5
500 to 749 lb	16.7	28.3	22.5
750 to 999 lb	21.6	23.8	26.0
1,000 to 9,999 lb	26.5	25.7	20.1
10,000 to 49,999 lb	17.0	25.3	19.3
50,000 to 99,999 lb	22.9	S	27.0
100,000 lb or more	30.1	30.7	39.1
SCTG 21, Pharmaceutical products	9.9	26.1	9.6
Less than 50 lb	18.9	15.5	27.4
50 to 99 lb	20.1	20.9	45.9
100 to 499 lb	14.5	15.2	25.1
500 to 749 lb	31.3	25.3	43.9
750 to 999 lb	S	17.1	24.4
1,000 to 9,999 lb	15.5	23.1	33.2
10,000 to 49,999 lb	21.2	49.2	16.1
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	32.4	45.9	48.1
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	14.6	29.9	S
500 to 749 lb	39.0	46.1	44.1
750 to 999 lb	44.2	S	S
1,000 to 9,999 lb	36.3	37.3	36.3
10,000 to 49,999 lb	47.5	S	S
50,000 to 99,999 lb	S	47.0	S
100,000 lb or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	22.2	7.0	10.0
Less than 50 lb	16.9	10.2	14.2
50 to 99 lb	23.6	19.1	22.3
100 to 499 lb	36.3	11.3	19.5
500 to 749 lb	38.1	20.7	19.6
750 to 999 lb	27.9	18.8	20.9
1,000 to 9,999 lb	34.0	12.1	20.6
10,000 to 49,999 lb	6.1	9.9	11.1
50,000 to 99,999 lb	38.2	38.1	33.4
100,000 lb or more	44.9	34.6	35.1
SCTG 24, Plastics and rubber	4.8	9.4	15.2
Less than 50 lb	10.9	7.0	13.3
50 to 99 lb	11.2	10.1	19.2
100 to 499 lb	8.8	9.7	16.6
500 to 749 lb	10.4	9.9	15.3
750 to 999 lb	9.6	9.7	13.8
1,000 to 9,999 lb	8.3	11.1	13.0
10,000 to 49,999 lb	8.6	11.8	14.4
50,000 to 99,999 lb	23.8	26.4	38.7
100,000 lb or more	41.3	48.8	47.5

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	39.9	27.5	19.1
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	38.1	S
500 to 749 lb	49.6	S	46.5
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	49.3	S
10,000 to 49,999 lb	36.0	34.0	29.0
50,000 to 99,999 lb	30.1	48.0	46.4
100,000 lb or more	27.3	43.9	31.2
SCTG 26, Wood products	7.6	8.6	20.7
Less than 50 lb	45.8	34.3	S
50 to 99 lb	29.5	26.1	39.4
100 to 499 lb	20.8	15.4	26.1
500 to 749 lb	22.6	19.5	24.1
750 to 999 lb	18.6	12.9	32.6
1,000 to 9,999 lb	12.0	12.0	10.1
10,000 to 49,999 lb	8.2	10.8	11.2
50,000 to 99,999 lb	17.0	27.8	23.4
100,000 lb or more	32.8	35.8	S
SCTG 27, Pulp, newsprint, paper, and paperboard	7.9	13.8	11.2
Less than 50 lb	35.1	45.2	33.0
50 to 99 lb	20.8	18.3	28.4
100 to 499 lb	13.4	13.1	14.2
500 to 749 lb	16.6	15.0	14.9
750 to 999 lb	23.6	27.8	23.4
1,000 to 9,999 lb	12.5	10.8	16.7
10,000 to 49,999 lb	11.1	14.8	11.8
50,000 to 99,999 lb	33.1	S	35.4
100,000 lb or more	22.7	23.4	30.3
SCTG 28, Paper or paperboard articles	9.5	8.0	16.1
Less than 50 lb	20.8	22.1	32.2
50 to 99 lb	24.5	21.4	17.2
100 to 499 lb	13.1	14.0	22.2
500 to 749 lb	17.4	19.2	22.4
750 to 999 lb	22.1	21.0	20.7
1,000 to 9,999 lb	9.2	9.0	10.6
10,000 to 49,999 lb	13.3	10.7	17.8
50,000 to 99,999 lb	31.5	39.8	43.3
100,000 lb or more	S	42.3	S
SCTG 29, Printed products	38.8	12.7	24.6
Less than 50 lb	23.2	26.3	29.4
50 to 99 lb	32.4	19.9	46.4
100 to 499 lb	47.2	25.6	S
500 to 749 lb	37.3	29.2	S
750 to 999 lb	S	43.4	S
1,000 to 9,999 lb	S	23.9	33.2
10,000 to 49,999 lb	17.3	15.1	24.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	46.5
SCTG 30, Textiles, leather, and articles of textiles or leather	9.9	11.3	13.0
Less than 50 lb	14.2	19.2	23.1
50 to 99 lb	27.6	29.5	40.6
100 to 499 lb	21.2	25.0	33.6
500 to 749 lb	10.4	22.1	15.9
750 to 999 lb	17.6	13.6	15.7
1,000 to 9,999 lb	9.9	10.8	17.0
10,000 to 49,999 lb	10.1	17.3	15.3
50,000 to 99,999 lb	45.2	S	S
100,000 lb or more	45.6	37.9	S
SCTG 31, Nonmetallic mineral products	6.5	23.2	8.5
Less than 50 lb	30.5	19.8	S
50 to 99 lb	15.8	15.9	22.1
100 to 499 lb	11.9	12.4	18.6
500 to 749 lb	14.4	13.8	19.6
750 to 999 lb	19.7	20.9	46.3
1,000 to 9,999 lb	15.1	11.8	15.5
10,000 to 49,999 lb	9.4	20.0	9.4
50,000 to 99,999 lb	9.9	27.1	13.7
100,000 lb or more	34.4	S	26.7
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	16.9	13.0	11.4
Less than 50 lb	23.0	19.8	46.1
50 to 99 lb	12.8	14.7	13.8
100 to 499 lb	15.2	15.6	22.1
500 to 749 lb	10.0	11.8	15.2
750 to 999 lb	13.5	16.7	20.2
1,000 to 9,999 lb	11.4	9.2	10.8
10,000 to 49,999 lb	22.7	16.3	10.1
50,000 to 99,999 lb	21.2	17.0	20.7
100,000 lb or more	29.0	22.4	27.6

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	5.6	12.2	10.9
Less than 50 lb	10.9	11.7	43.4
50 to 99 lb	10.1	5.5	13.8
100 to 499 lb	8.5	8.0	10.5
500 to 749 lb	14.8	13.2	14.6
750 to 999 lb	13.3	10.3	14.8
1,000 to 9,999 lb	10.7	15.1	15.6
10,000 to 49,999 lb	9.1	14.6	11.2
50,000 to 99,999 lb	26.2	21.8	33.9
100,000 lb or more	45.8	36.0	39.7
SCTG 34, Machinery	5.6	8.1	9.5
Less than 50 lb	5.9	9.2	13.2
50 to 99 lb	7.7	19.9	12.3
100 to 499 lb	7.5	10.1	11.1
500 to 749 lb	25.0	17.8	28.0
750 to 999 lb	13.1	15.8	18.1
1,000 to 9,999 lb	10.9	9.1	11.3
10,000 to 49,999 lb	10.5	13.6	12.9
50,000 to 99,999 lb	30.7	29.0	35.1
100,000 lb or more	29.7	33.0	43.7
SCTG 35, Electronic and other electrical equipment and components and office equipment	8.2	5.2	6.7
Less than 50 lb	13.9	10.5	10.7
50 to 99 lb	13.5	12.6	14.7
100 to 499 lb	10.6	5.1	10.5
500 to 749 lb	18.3	11.6	12.9
750 to 999 lb	21.9	12.6	19.1
1,000 to 9,999 lb	10.7	10.1	12.2
10,000 to 49,999 lb	22.3	7.7	11.0
50,000 to 99,999 lb	S	48.8	S
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	8.8	9.3	11.4
Less than 50 lb	14.5	13.3	33.0
50 to 99 lb	19.5	25.1	23.5
100 to 499 lb	22.9	16.0	34.9
500 to 749 lb	21.7	15.8	18.0
750 to 999 lb	25.5	17.0	48.0
1,000 to 9,999 lb	14.2	15.5	13.9
10,000 to 49,999 lb	13.6	13.7	17.3
50,000 to 99,999 lb	33.1	25.7	29.6
100,000 lb or more	S	37.5	45.5
SCTG 37, Transportation equipment, n.e.c.	14.9	27.5	43.2
Less than 50 lb	20.8	26.9	41.0
50 to 99 lb	29.4	41.6	39.3
100 to 499 lb	25.1	30.6	30.7
500 to 749 lb	S	34.8	36.4
750 to 999 lb	S	32.7	39.3
1,000 to 9,999 lb	30.4	34.5	44.6
10,000 to 49,999 lb	22.8	35.0	S
50,000 to 99,999 lb	37.1	42.4	47.8
100,000 lb or more	S	S	44.6
SCTG 38, Precision instruments and apparatus	10.5	15.4	18.6
Less than 50 lb	12.5	15.0	12.2
50 to 99 lb	19.6	12.4	15.8
100 to 499 lb	14.4	29.1	43.1
500 to 749 lb	24.8	35.9	32.7
750 to 999 lb	34.0	32.7	25.2
1,000 to 9,999 lb	14.8	23.0	47.0
10,000 to 49,999 lb	29.5	34.8	32.7
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.9	12.1	14.9
Less than 50 lb	26.7	24.8	23.2
50 to 99 lb	22.9	16.2	25.8
100 to 499 lb	13.3	16.8	18.0
500 to 749 lb	18.1	16.3	21.2
750 to 999 lb	17.8	21.9	13.9
1,000 to 9,999 lb	13.8	16.3	19.5
10,000 to 49,999 lb	21.9	20.8	21.3
50,000 to 99,999 lb	S	49.6	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	8.1	S	11.7
Less than 50 lb	9.0	23.3	28.5
50 to 99 lb	11.6	12.8	19.2
100 to 499 lb	9.4	8.1	13.3
500 to 749 lb	9.4	7.9	11.4
750 to 999 lb	13.9	11.8	18.1
1,000 to 9,999 lb	8.9	8.4	12.2
10,000 to 49,999 lb	36.0	31.0	19.7
50,000 to 99,999 lb	28.8	27.2	33.1
100,000 lb or more	S	S	41.0

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	16.2	18.4	42.0
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	38.5	S	37.2
500 to 749 lb	S	S	44.7
750 to 999 lb	48.8	S	S
1,000 to 9,999 lb	28.4	36.0	22.6
10,000 to 49,999 lb	16.0	17.5	15.3
50,000 to 99,999 lb	22.6	21.1	47.1
100,000 lb or more	30.4	33.1	S
SCTG 43, Mixed freight	14.0	13.2	16.6
Less than 50 lb	21.2	22.6	34.3
50 to 99 lb	21.6	23.4	32.9
100 to 499 lb	18.9	25.2	22.5
500 to 749 lb	26.8	38.0	21.5
750 to 999 lb	27.8	26.6	24.4
1,000 to 9,999 lb	12.6	15.3	16.4
10,000 to 49,999 lb	21.9	16.6	19.7
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	24.2	24.5	31.6
Less than 50 lb	21.8	22.4	26.7
50 to 99 lb	35.5	19.1	34.6
100 to 499 lb	S	23.1	41.6
500 to 749 lb	27.2	27.8	33.0
750 to 999 lb	29.5	37.1	39.3
1,000 to 9,999 lb	29.9	26.7	S
10,000 to 49,999 lb	24.5	31.3	37.2
50,000 to 99,999 lb	S	44.0	S
100,000 lb or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	4.3	5.7	5.2	5.9	2.3	8.2	9.8	6.8	6.0	6.2
Less than 50 lb	6.5	8.8	10.5	5.8	5.5	12.6	15.7	28.5	6.3	6.5
50 to 99 lb	5.6	6.9	11.9	6.1	6.2	7.8	7.0	12.1	8.3	8.8
100 to 499 lb	7.8	6.7	11.7	7.7	4.8	8.9	7.9	18.0	9.9	10.5
500 to 749 lb	5.7	6.6	13.3	9.2	5.7	8.1	8.7	9.7	10.7	9.8
750 to 999 lb	12.9	5.9	25.8	17.7	10.1	6.9	6.1	8.2	5.7	5.9
1,000 to 9,999 lb	9.6	3.0	4.4	6.8	3.2	4.2	4.5	9.1	8.0	7.6
10,000 to 49,999 lb	4.3	7.9	3.7	5.4	5.8	10.6	14.7	10.5	11.0	10.4
50,000 to 99,999 lb	6.3	9.5	6.9	7.7	7.4	11.0	13.9	13.4	9.9	10.5
100,000 lb or more	12.3	13.8	15.4	23.0	16.8	19.3	17.0	25.0	20.9	21.3
SCTG 01, Live animals and live fish	25.3	29.6	33.4	S	S	S	38.5	36.6	38.0	37.0
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	48.2	39.9	S	S	S	S	S	S
500 to 749 lb	S	S	48.9	32.4	S	S	S	S	S	S
750 to 999 lb	48.8	S	S	20.6	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	28.3	S	S	S	S	S	S
10,000 to 49,999 lb	24.2	26.3	32.8	16.9	33.1	33.1	37.3	48.8	S	49.6
50,000 to 99,999 lb	38.8	39.5	41.6	18.2	S	S	S	—	—	—
100,000 lb or more	S	S	S	21.1	S	S	S	—	—	—
SCTG 02, Cereal grains	32.0	21.1	37.3	S	20.0	25.4	29.6	35.4	41.2	40.6
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	47.6	31.9	S	S	S	S	S	S
100 to 499 lb	S	S	46.2	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	20.5	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.1	S	S	S	—	—	—
1,000 to 9,999 lb	44.9	S	S	40.1	S	S	S	S	S	S
10,000 to 49,999 lb	44.2	26.0	S	27.0	28.7	29.6	30.1	44.2	45.4	44.0
50,000 to 99,999 lb	34.5	35.8	30.2	42.1	39.1	37.7	38.1	35.0	36.2	36.4
100,000 lb or more	48.2	S	S	33.6	S	S	S	S	S	S
SCTG 03, Other agricultural products	27.6	32.7	25.0	S	27.2	32.5	38.8	S	S	S
Less than 50 lb	23.1	22.9	S	32.0	22.4	26.9	21.7	31.9	24.5	24.0
50 to 99 lb	16.5	25.3	S	S	20.0	29.0	28.1	31.5	33.9	30.0
100 to 499 lb	34.2	33.3	31.2	S	39.7	35.9	34.0	S	S	S
500 to 749 lb	35.8	38.7	34.2	S	37.0	37.4	29.0	S	S	S
750 to 999 lb	37.0	32.7	30.0	S	44.5	37.8	43.0	39.4	46.3	45.1
1,000 to 9,999 lb	35.6	S	46.7	32.7	38.9	49.8	S	S	S	S
10,000 to 49,999 lb	33.2	33.6	27.8	44.4	37.6	35.4	43.2	S	S	S
50,000 to 99,999 lb	38.0	47.2	S	27.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	43.7	—	—	—	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	17.3	21.9	14.2	32.7	25.9	30.7	34.9	27.7	23.5	23.6
Less than 50 lb	45.0	39.9	47.7	19.9	S	S	46.1	S	S	S
50 to 99 lb	S	34.1	S	44.3	37.5	39.1	31.8	S	S	S
100 to 499 lb	37.2	32.6	49.9	S	41.4	36.9	33.8	S	S	S
500 to 749 lb	34.7	34.7	S	41.4	34.3	42.5	46.7	S	S	S
750 to 999 lb	43.1	45.6	S	44.3	46.1	S	43.1	S	42.5	44.4
1,000 to 9,999 lb	36.1	30.2	27.1	37.6	31.5	36.0	44.8	S	38.5	39.9
10,000 to 49,999 lb	18.0	22.5	16.6	S	29.8	32.6	36.2	22.6	24.0	23.9
50,000 to 99,999 lb	S	S	19.5	S	S	S	29.7	42.8	35.6	38.4
100,000 lb or more	47.0	49.7	S	39.3	S	S	S	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	12.0	11.5	24.2	34.6	13.7	14.6	14.7	15.3	12.8	12.5
Less than 50 lb	36.4	32.8	25.7	S	38.1	34.7	31.5	34.8	36.2	34.1
50 to 99 lb	30.4	26.9	24.0	29.6	32.9	28.6	30.9	25.9	24.9	26.0
100 to 499 lb	17.2	16.6	14.5	14.7	18.4	17.9	21.0	24.6	23.3	22.5
500 to 749 lb	17.7	16.3	45.1	26.4	18.9	18.2	18.2	17.7	17.9	17.6
750 to 999 lb	18.3	19.5	20.7	21.6	20.6	21.8	26.4	21.0	22.6	22.8
1,000 to 9,999 lb	13.4	13.9	15.7	20.0	18.1	19.2	16.9	22.5	17.6	17.0
10,000 to 49,999 lb	16.1	15.2	28.4	14.4	22.0	22.7	24.0	26.2	26.0	23.9
50,000 to 99,999 lb	40.5	S	47.4	22.5	S	S	S	S	S	S
100,000 lb or more	47.5	45.7	S	S	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	8.1	8.0	12.3	S	14.2	12.6	13.9	21.2	18.8	19.4
Less than 50 lb	36.9	36.8	29.7	S	39.1	38.8	29.4	40.3	32.2	30.9
50 to 99 lb	24.8	25.4	43.8	S	26.0	25.8	28.0	27.1	28.6	27.0
100 to 499 lb	23.6	25.6	45.0	47.2	26.7	27.7	29.8	22.9	24.5	25.7
500 to 749 lb	20.9	21.4	24.5	27.3	25.8	25.0	23.3	24.7	28.0	26.0
750 to 999 lb	18.3	24.6	34.4	26.4	24.3	29.5	19.7	23.2	36.2	37.8
1,000 to 9,999 lb	13.7	15.9	16.8	31.1	24.1	23.9	17.5	20.3	24.9	25.6
10,000 to 49,999 lb	11.6	11.3	13.4	8.1	17.6	17.0	20.8	29.8	25.5	26.0
50,000 to 99,999 lb	49.7	19.8	19.9	S	S	22.1	22.4	22.1	21.8	23.8
100,000 lb or more	43.5	29.2	S	27.0	S	46.0	46.8	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	5.1	7.7	10.5	17.5	5.2	11.5	16.6	12.7	14.5	14.2
Less than 50 lb	33.6	38.0	36.7	S	35.3	40.9	18.3	S	32.4	31.9
50 to 99 lb	22.3	33.0	25.4	18.2	22.5	34.8	30.8	31.8	19.8	21.4
100 to 499 lb	15.4	27.2	18.0	14.9	16.2	30.4	21.6	14.6	20.9	20.9
500 to 749 lb	18.1	18.5	17.7	27.3	20.2	22.4	19.3	20.6	16.7	17.1
750 to 999 lb	11.5	12.5	21.0	32.5	14.0	16.8	12.1	16.6	16.2	15.4
1,000 to 9,999 lb	6.7	8.0	9.9	22.5	5.8	9.9	10.5	15.1	20.7	20.5
10,000 to 49,999 lb	6.9	8.4	11.8	8.1	7.7	13.6	19.2	14.8	15.0	15.3
50,000 to 99,999 lb	26.1	34.2	24.9	S	43.9	S	S	S	S	S
100,000 lb or more	38.8	S	42.2	S	S	S	S	S	S	S
SCTG 08, Alcoholic beverages	10.6	12.2	26.1	12.7	7.7	7.4	9.4	19.9	21.3	21.9
Less than 50 lb	33.1	S	S	16.7	35.6	49.7	33.7	S	41.2	41.2
50 to 99 lb	31.1	17.3	43.9	20.4	33.8	18.8	25.7	34.8	28.7	29.1
100 to 499 lb	18.5	14.5	15.2	9.7	19.2	14.8	16.5	21.8	19.6	20.2
500 to 749 lb	21.0	20.4	25.0	9.5	21.6	21.0	28.8	25.5	25.8	27.0
750 to 999 lb	12.6	14.1	12.7	12.1	13.8	14.6	15.0	28.6	24.7	23.9
1,000 to 9,999 lb	9.0	11.7	15.3	9.3	9.5	12.0	12.1	28.6	22.4	24.0
10,000 to 49,999 lb	20.6	18.8	28.6	13.5	16.3	13.8	17.6	27.6	23.8	24.3
50,000 to 99,999 lb	32.3	30.3	44.5	21.0	41.5	39.5	S	—	—	—
100,000 lb or more	S	S	S	21.8	S	S	S	—	—	—
SCTG 09, Tobacco products	16.1	20.3	21.5	17.8	16.0	22.9	27.2	34.1	39.3	38.9
Less than 50 lb	18.3	16.3	21.4	38.3	17.9	17.1	18.7	34.3	29.2	29.8
50 to 99 lb	12.5	11.4	24.1	19.5	12.4	11.7	16.3	S	45.7	42.4
100 to 499 lb	12.9	10.7	23.5	17.0	14.3	11.8	14.2	24.7	19.9	20.6
500 to 749 lb	23.4	21.4	40.9	22.6	24.4	22.5	30.4	38.3	49.0	49.6
750 to 999 lb	34.6	30.7	45.6	27.5	42.9	45.0	S	S	S	S
1,000 to 9,999 lb	34.9	44.1	33.3	S	45.9	S	S	S	48.9	48.7
10,000 to 49,999 lb	48.9	41.5	S	22.2	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	46.6	32.0	S	39.6	S	33.2	33.6	S	47.1	46.7
Less than 50 lb	S	S	S	20.9	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.7	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	46.1	35.0	S	S	46.2	33.6	35.7	S	46.9	47.2
50,000 to 99,999 lb	S	S	S	34.8	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	32.3	27.0	28.9	21.9	28.0	30.5	39.0	48.3	S	S
Less than 50 lb	S	S	S	23.4	S	S	S	S	S	S
50 to 99 lb	S	S	S	22.4	—	—	—	—	—	—
100 to 499 lb	S	S	S	28.3	S	S	S	S	S	S
500 to 749 lb	48.7	40.7	S	21.0	S	S	46.2	S	S	S
750 to 999 lb	S	S	S	21.9	S	S	S	S	S	S
1,000 to 9,999 lb	49.3	32.6	S	21.8	42.0	31.2	49.4	S	S	S
10,000 to 49,999 lb	43.0	26.4	34.3	25.6	39.4	29.0	34.7	S	S	S
50,000 to 99,999 lb	44.7	S	45.8	18.4	S	S	S	31.0	30.6	30.4
100,000 lb or more	33.6	39.6	37.6	47.9	40.4	47.7	41.0	S	S	S
SCTG 12, Gravel and crushed stone	11.6	11.6	18.8	7.1	12.1	11.2	19.0	21.3	34.0	32.0
Less than 50 lb	S	S	S	22.6	S	S	S	—	—	—
50 to 99 lb	S	S	S	21.2	S	S	S	—	—	—
100 to 499 lb	43.7	36.8	S	S	38.9	39.5	S	S	S	S
500 to 749 lb	S	36.7	S	23.9	S	35.0	42.9	S	S	S
750 to 999 lb	40.5	38.0	S	S	45.5	42.9	48.8	S	S	S
1,000 to 9,999 lb	17.3	24.7	32.4	37.5	20.3	25.7	23.0	S	S	S
10,000 to 49,999 lb	14.4	18.2	29.2	8.0	13.9	16.8	27.8	33.6	49.3	47.6
50,000 to 99,999 lb	13.7	14.0	16.1	6.8	14.1	14.4	16.2	25.1	30.6	31.7
100,000 lb or more	30.2	25.4	18.5	S	31.3	25.9	28.3	S	43.8	45.2
SCTG 13, Nonmetallic minerals n.e.c.	23.8	23.3	25.6	16.5	27.0	29.7	39.5	24.7	42.1	41.0
Less than 50 lb	41.1	32.6	42.0	S	S	40.0	41.2	S	S	S
50 to 99 lb	S	S	S	20.4	S	S	S	S	S	S
100 to 499 lb	31.2	42.7	28.1	S	28.7	49.9	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	39.1	22.4	29.7	48.0	31.9	30.0	24.3	41.6	38.1	38.2
10,000 to 49,999 lb	36.3	26.2	30.8	19.0	36.2	29.2	40.0	27.0	38.0	45.1
50,000 to 99,999 lb	36.0	29.3	36.8	38.5	46.8	31.2	41.4	45.7	S	S
100,000 lb or more	41.6	49.3	40.9	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	25.4	26.9	S	13.9	30.3	38.2	31.1	47.4	S	S
Less than 50 lb	S	S	S	22.7	S	S	S	S	S	S
50 to 99 lb	S	S	S	20.1	S	S	S	S	S	S
100 to 499 lb	S	S	S	17.9	S	S	S	S	S	S
500 to 749 lb	S	S	S	22.5	S	S	S	S	S	S
750 to 999 lb	S	S	S	27.4	S	S	S	S	S	S
1,000 to 9,999 lb	S	49.0	S	23.3	S	S	S	S	39.6	39.4
10,000 to 49,999 lb	23.5	21.2	S	16.0	S	47.5	44.7	S	38.7	38.2
50,000 to 99,999 lb	28.6	38.5	S	41.3	38.8	46.8	39.0	S	S	S
100,000 lb or more	47.0	41.3	43.0	21.3	S	S	S	—	—	—
SCTG 15, Coal	15.2	12.0	21.2	27.0	26.5	15.9	16.9	22.5	25.2	26.3
Less than 50 lb	S	S	S	22.4	—	—	—	—	—	—
50 to 99 lb	S	S	S	22.4	—	—	—	—	—	—
100 to 499 lb	S	S	S	22.4	S	S	S	—	—	—
500 to 749 lb	S	S	S	25.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.0	S	S	S	—	—	—
1,000 to 9,999 lb	40.3	23.2	27.7	34.3	39.0	22.5	21.4	S	S	S
10,000 to 49,999 lb	39.4	21.1	17.0	30.1	48.8	25.9	19.4	23.2	18.1	17.6
50,000 to 99,999 lb	32.6	33.6	20.8	S	39.0	39.1	34.3	S	S	44.3
100,000 lb or more	16.4	17.6	23.2	35.9	22.0	24.7	26.5	29.7	31.6	31.0
SCTG 17, Gasoline and aviation turbine fuel	13.1	14.1	S	10.8	13.6	14.4	13.0	19.9	18.5	18.1
Less than 50 lb	S	S	S	21.3	S	S	S	—	—	—
50 to 99 lb	S	S	S	36.1	S	S	S	S	S	S
100 to 499 lb	S	S	33.2	S	S	S	42.4	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	49.6
750 to 999 lb	25.2	26.8	27.9	15.0	25.0	26.8	28.0	S	S	S
1,000 to 9,999 lb	16.3	17.8	22.8	21.4	17.6	20.5	21.0	26.9	37.4	38.5
10,000 to 49,999 lb	15.0	13.3	20.2	11.0	16.3	14.0	14.3	21.9	25.6	27.7
50,000 to 99,999 lb	13.3	11.5	13.5	9.8	14.0	12.0	15.8	16.7	16.4	16.3
100,000 lb or more	31.4	31.5	S	40.9	29.0	30.2	25.1	S	S	S
SCTG 18, Fuel oils	14.4	16.0	24.9	15.7	14.7	14.9	14.1	36.9	40.1	46.8
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	17.5	S	S	S	S	S	S
100 to 499 lb	S	S	S	31.5	S	S	S	45.0	37.3	41.0
500 to 749 lb	32.4	26.7	33.2	16.7	32.9	27.1	36.4	31.9	45.8	49.2
750 to 999 lb	28.2	26.0	29.9	14.1	28.7	26.4	31.6	S	S	S
1,000 to 9,999 lb	18.4	17.7	17.6	15.0	19.7	18.5	20.1	22.5	43.7	49.9
10,000 to 49,999 lb	28.3	30.4	S	11.9	24.7	25.9	24.0	S	S	S
50,000 to 99,999 lb	16.8	19.0	18.4	13.0	18.6	21.2	23.5	27.9	26.2	27.7
100,000 lb or more	36.7	41.4	49.5	25.2	32.2	33.9	37.7	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	14.9	19.0	16.7	S	22.9	22.4	26.0	21.3	23.8	24.4
Less than 50 lb	20.8	21.7	28.5	23.8	21.1	22.5	25.5	36.6	31.1	31.2
50 to 99 lb	S	27.2	S	21.7	23.6	24.7	22.3	S	49.4	S
100 to 499 lb	17.2	20.6	22.5	40.2	20.1	21.9	23.1	38.9	31.4	34.1
500 to 749 lb	23.9	23.0	25.8	S	21.3	25.1	31.0	S	40.4	41.5
750 to 999 lb	21.5	19.1	26.3	43.2	22.9	19.6	24.1	S	S	S
1,000 to 9,999 lb	18.8	17.6	20.1	S	23.4	19.3	20.6	40.6	32.3	33.0
10,000 to 49,999 lb	20.0	24.5	20.1	32.3	26.9	27.2	30.0	27.6	27.8	27.6
50,000 to 99,999 lb	22.1	35.4	28.4	S	24.3	39.0	36.6	35.9	37.4	36.5
100,000 lb or more	35.1	33.5	25.4	19.6	49.2	41.8	42.4	S	S	S
SCTG 20, Basic chemicals ..	16.6	19.5	22.7	15.9	22.0	24.2	30.7	22.9	28.5	31.6
Less than 50 lb	25.0	47.4	35.4	14.1	42.1	S	S	30.5	37.4	42.3
50 to 99 lb	40.5	43.4	29.0	42.9	S	S	S	41.4	41.0	37.0
100 to 499 lb	34.9	27.3	29.5	20.4	48.0	33.6	35.9	29.9	22.0	22.2
500 to 749 lb	16.7	28.3	22.5	38.9	24.3	33.9	33.0	31.3	31.8	31.2
750 to 999 lb	21.6	23.8	26.0	32.5	25.0	30.5	42.4	47.9	29.5	33.6
1,000 to 9,999 lb	26.5	25.7	20.1	29.2	21.7	35.3	23.0	25.7	24.3	23.8
10,000 to 49,999 lb	17.0	25.3	19.3	13.7	20.9	31.4	37.8	31.3	28.6	26.6
50,000 to 99,999 lb	22.9	S	27.0	S	41.1	S	S	S	S	S
100,000 lb or more	30.1	30.7	39.1	23.2	S	48.6	S	S	S	S
SCTG 21, Pharmaceutical products	9.9	26.1	9.6	8.1	13.9	S	37.2	13.3	15.9	14.4
Less than 50 lb	18.9	15.5	27.4	8.0	18.9	20.2	21.4	20.8	17.9	18.4
50 to 99 lb	20.1	20.9	45.9	14.5	27.6	28.8	26.6	45.6	33.1	32.9
100 to 499 lb	14.5	15.2	25.1	18.3	24.6	21.2	25.2	23.9	21.4	21.5
500 to 749 lb	31.3	25.3	43.9	16.1	49.0	40.1	47.9	S	35.0	39.5
750 to 999 lb	S	17.1	24.4	22.0	S	35.4	32.8	S	S	S
1,000 to 9,999 lb	15.5	23.1	33.2	11.7	24.1	28.6	31.1	30.6	29.6	28.1
10,000 to 49,999 lb	21.2	49.2	16.1	21.5	31.2	S	S	46.0	36.6	32.8
50,000 to 99,999 lb	S	S	S	22.3	S	S	S	—	—	—
100,000 lb or more	S	S	S	21.6	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	32.4	45.9	48.1	21.6	29.1	31.5	35.4	38.8	S	S
Less than 50 lb	S	S	S	22.9	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	14.6	29.9	S	S	19.3	37.0	35.5	42.1	33.7	33.0
500 to 749 lb	39.0	46.1	44.1	S	S	S	S	45.6	38.7	41.7
750 to 999 lb	44.2	S	S	32.0	S	42.1	40.4	S	S	S
1,000 to 9,999 lb	36.3	37.3	36.3	S	44.4	S	39.3	S	S	S
10,000 to 49,999 lb	47.5	S	S	19.3	33.3	44.4	S	S	S	S
50,000 to 99,999 lb	S	47.0	S	20.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	22.5	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	22.2	7.0	10.0	10.6	8.6	12.6	12.4	13.7	20.8	17.3
Less than 50 lb	16.9	10.2	14.2	11.5	15.3	15.7	15.5	31.7	26.7	26.5
50 to 99 lb	23.6	19.1	22.3	13.8	37.2	33.3	23.6	39.7	35.4	40.0
100 to 499 lb	36.3	11.3	19.5	15.5	18.9	17.8	16.9	38.9	18.5	19.6
500 to 749 lb	38.1	20.7	19.6	18.0	S	40.3	24.7	20.0	20.6	20.9
750 to 999 lb	27.9	18.8	20.9	14.5	31.2	23.6	31.7	23.6	22.8	25.5
1,000 to 9,999 lb	34.0	12.1	20.6	10.5	16.1	15.4	16.6	32.9	15.9	15.7
10,000 to 49,999 lb	6.1	9.9	11.1	7.1	15.5	16.6	17.0	17.2	32.6	27.1
50,000 to 99,999 lb	38.2	38.1	33.4	27.3	S	S	S	S	S	S
100,000 lb or more	44.9	34.6	35.1	17.7	S	S	S	S	S	S
SCTG 24, Plastics and rubber	4.8	9.4	15.2	8.0	9.3	20.4	15.7	7.1	12.6	11.9
Less than 50 lb	10.9	7.0	13.3	9.6	12.4	8.0	7.9	21.8	12.5	12.6
50 to 99 lb	11.2	10.1	19.2	13.2	19.0	15.1	12.4	14.7	22.5	24.0
100 to 499 lb	8.8	9.7	16.6	12.3	16.3	12.7	9.6	12.7	14.8	15.7
500 to 749 lb	10.4	9.9	15.3	11.7	14.5	16.9	14.2	22.6	13.6	13.0
750 to 999 lb	9.6	9.7	13.8	12.7	16.2	16.4	13.5	16.1	17.2	17.4
1,000 to 9,999 lb	8.3	11.1	13.0	8.1	12.8	16.1	16.0	13.8	15.4	14.6
10,000 to 49,999 lb	8.6	11.8	14.4	7.3	21.9	22.6	26.6	14.3	20.8	19.1
50,000 to 99,999 lb	23.8	26.4	38.7	17.4	S	S	S	S	S	S
100,000 lb or more	41.3	48.8	47.5	16.0	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	39.9	27.5	19.1	S	26.1	33.0	39.3	35.2	S	46.4
Less than 50 lb	S	S	S	23.3	S	S	S	S	S	S
50 to 99 lb	S	S	S	20.9	S	S	S	S	S	S
100 to 499 lb	S	38.1	S	32.2	S	38.7	41.6	S	S	S
500 to 749 lb	49.6	S	46.5	22.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.2	S	S	S	S	S	S
1,000 to 9,999 lb	S	49.3	S	25.2	47.9	S	S	S	S	S
10,000 to 49,999 lb	36.0	34.0	29.0	26.8	35.1	S	49.6	41.9	49.1	44.7
50,000 to 99,999 lb	30.1	48.0	46.4	45.8	39.9	S	S	S	S	S
100,000 lb or more	27.3	43.9	31.2	25.8	S	S	S	—	—	—
SCTG 26, Wood products	7.6	8.6	20.7	13.9	10.4	10.7	10.6	7.3	10.9	11.1
Less than 50 lb	45.8	34.3	S	14.3	19.5	18.5	17.2	32.6	27.1	26.9
50 to 99 lb	29.5	26.1	39.4	S	35.6	32.7	40.9	19.3	20.2	20.2
100 to 499 lb	20.8	15.4	26.1	16.9	24.8	15.6	17.9	21.3	19.1	19.8
500 to 749 lb	22.6	19.5	24.1	13.8	28.5	22.1	28.9	26.2	22.2	23.6
750 to 999 lb	18.6	12.9	32.6	15.9	22.9	14.6	11.3	25.2	21.8	21.9
1,000 to 9,999 lb	12.0	12.0	10.1	8.7	18.7	15.6	14.3	10.5	13.6	13.9
10,000 to 49,999 lb	8.2	10.8	11.2	8.6	12.8	12.2	12.6	13.8	17.8	18.3
50,000 to 99,999 lb	17.0	27.8	23.4	34.0	25.4	36.9	31.3	23.5	26.8	27.0
100,000 lb or more	32.8	35.8	S	19.7	S	38.3	43.1	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	7.9	13.8	11.2	26.8	10.4	23.0	26.1	16.9	14.0	14.2
Less than 50 lb	35.1	45.2	33.0	S	32.2	S	S	S	46.3	48.5
50 to 99 lb	20.8	18.3	28.4	31.7	22.0	19.7	16.9	S	43.3	41.3
100 to 499 lb	13.4	13.1	14.2	17.1	16.2	16.7	17.2	24.6	22.4	23.6
500 to 749 lb	16.6	15.0	14.9	29.2	20.7	17.7	19.3	22.5	19.1	18.5
750 to 999 lb	23.6	27.8	23.4	38.1	31.7	31.5	23.0	40.4	41.9	43.3
1,000 to 9,999 lb	12.5	10.8	16.7	17.2	13.2	15.4	16.1	23.7	20.1	19.9
10,000 to 49,999 lb	11.1	14.8	11.8	8.5	24.3	30.0	35.1	21.1	16.3	15.9
50,000 to 99,999 lb	33.1	S	35.4	S	S	S	S	S	S	S
100,000 lb or more	22.7	23.4	30.3	15.3	41.5	48.0	38.7	S	S	S
SCTG 28, Paper or paperboard articles	9.5	8.0	16.1	13.6	9.7	11.1	13.6	12.7	15.4	16.6
Less than 50 lb	20.8	22.1	32.2	13.9	21.2	20.2	24.5	32.8	36.5	37.3
50 to 99 lb	24.5	21.4	17.2	26.0	28.7	25.6	26.3	23.5	22.9	21.7
100 to 499 lb	13.1	14.0	22.2	17.3	13.4	16.4	19.3	16.9	18.6	17.1
500 to 749 lb	17.4	19.2	22.4	20.2	18.5	23.9	28.7	21.1	19.4	19.6
750 to 999 lb	22.1	21.0	20.7	23.9	20.1	24.5	25.8	28.9	18.2	16.9
1,000 to 9,999 lb	9.2	9.0	10.6	15.2	11.5	15.8	16.0	18.8	22.3	26.1
10,000 to 49,999 lb	13.3	10.7	17.8	12.0	21.3	19.3	18.7	16.8	13.9	13.2
50,000 to 99,999 lb	31.5	39.8	43.3	S	44.8	44.3	49.2	S	S	S
100,000 lb or more	S	42.3	S	26.5	S	46.0	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	38.8	12.7	24.6	13.5	15.7	15.6	21.1	47.4	22.8	24.1
Less than 50 lb	23.2	26.3	29.4	15.0	22.0	30.5	35.6	26.6	29.5	31.7
50 to 99 lb	32.4	19.9	46.4	14.6	20.2	15.4	18.8	41.5	33.5	38.6
100 to 499 lb	47.2	25.6	S	15.4	26.9	11.4	14.7	S	S	S
500 to 749 lb	37.3	29.2	S	18.2	19.0	18.2	21.8	36.0	23.0	24.8
750 to 999 lb	S	43.4	S	17.6	S	31.8	28.2	47.2	32.4	37.1
1,000 to 9,999 lb	S	23.9	33.2	13.1	25.7	14.5	17.5	S	34.1	38.1
10,000 to 49,999 lb	17.3	15.1	24.4	18.1	29.4	28.6	28.1	42.3	23.6	24.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	46.5	32.7	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	9.9	11.3	13.0	6.7	8.2	13.3	11.7	15.1	13.7	14.4
Less than 50 lb	14.2	19.2	23.1	7.9	15.0	17.1	15.4	16.8	18.1	17.8
50 to 99 lb	27.6	29.5	40.6	5.9	14.7	19.8	17.3	49.6	37.8	33.4
100 to 499 lb	21.2	25.0	33.6	5.3	12.8	23.2	17.1	30.8	27.2	30.3
500 to 749 lb	10.4	22.1	15.9	17.4	16.8	39.1	31.1	31.4	28.5	29.0
750 to 999 lb	17.6	13.6	15.7	16.3	25.6	22.7	26.0	29.3	33.6	34.3
1,000 to 9,999 lb	9.9	10.8	17.0	7.7	13.1	12.6	13.0	19.5	19.1	19.0
10,000 to 49,999 lb	10.1	17.3	15.3	11.2	23.9	26.4	21.3	16.7	22.7	23.2
50,000 to 99,999 lb	45.2	S	S	26.0	S	S	S	—	—	—
100,000 lb or more	45.6	37.9	S	23.8	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	6.5	23.2	8.5	18.3	13.8	31.1	24.3	9.1	11.0	10.1
Less than 50 lb	30.5	19.8	S	14.7	31.7	22.0	22.0	S	40.4	41.5
50 to 99 lb	15.8	15.9	22.1	19.6	26.1	21.2	24.7	32.7	32.8	34.0
100 to 499 lb	11.9	12.4	18.6	22.5	16.5	18.2	20.8	27.8	20.8	19.8
500 to 749 lb	14.4	13.8	19.6	30.8	16.4	18.6	20.6	49.0	34.4	33.8
750 to 999 lb	19.7	20.9	46.3	20.3	26.3	22.3	28.6	44.0	S	S
1,000 to 9,999 lb	15.1	11.8	15.5	13.9	28.3	16.5	17.5	20.7	16.7	18.8
10,000 to 49,999 lb	9.4	20.0	9.4	18.0	21.1	27.0	31.9	12.6	13.7	12.7
50,000 to 99,999 lb	9.9	27.1	13.7	15.5	14.8	43.3	22.6	15.4	13.5	12.4
100,000 lb or more	34.4	S	26.7	S	S	S	S	48.7	36.8	37.5
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	16.9	13.0	11.4	10.8	10.2	32.4	15.5	13.7	11.9	12.2
Less than 50 lb	23.0	19.8	46.1	13.9	17.7	17.8	25.2	23.1	27.0	25.3
50 to 99 lb	12.8	14.7	13.8	13.4	19.9	18.6	19.5	26.5	25.1	25.2
100 to 499 lb	15.2	15.6	22.1	15.0	16.0	20.2	20.5	27.9	18.4	18.4
500 to 749 lb	10.0	11.8	15.2	16.0	15.7	17.0	20.9	24.3	18.3	20.6
750 to 999 lb	13.5	16.7	20.2	17.1	26.2	24.6	19.8	26.5	21.4	23.7
1,000 to 9,999 lb	11.4	9.2	10.8	11.1	11.7	16.6	15.5	20.0	14.0	13.6
10,000 to 49,999 lb	22.7	16.3	10.1	6.1	20.6	48.1	14.7	16.1	15.4	15.7
50,000 to 99,999 lb	21.2	17.0	20.7	17.4	21.7	44.5	24.6	25.0	21.0	20.5
100,000 lb or more	29.0	22.4	27.6	16.4	42.5	32.0	41.0	40.0	37.2	40.2
SCTG 33, Articles of base metal	5.6	12.2	10.9	14.0	7.1	15.7	19.5	11.4	24.8	24.2
Less than 50 lb	10.9	11.7	43.4	15.3	10.6	9.1	10.2	17.8	18.2	17.5
50 to 99 lb	10.1	5.5	13.8	17.8	12.9	10.8	12.5	21.4	24.9	25.3
100 to 499 lb	8.5	8.0	10.5	10.9	11.7	11.4	12.9	19.8	18.8	19.3
500 to 749 lb	14.8	13.2	14.6	12.7	19.0	17.8	14.5	26.2	19.6	19.7
750 to 999 lb	13.3	10.3	14.8	13.1	24.3	16.7	19.3	25.9	30.0	29.0
1,000 to 9,999 lb	10.7	15.1	15.6	10.1	16.5	12.0	15.6	19.7	18.2	21.2
10,000 to 49,999 lb	9.1	14.6	11.2	9.1	12.0	25.5	29.9	21.7	26.5	27.5
50,000 to 99,999 lb	26.2	21.8	33.9	29.0	35.1	35.1	43.2	S	S	S
100,000 lb or more	45.8	36.0	39.7	23.0	S	S	S	S	S	S
SCTG 34, Machinery	5.6	8.1	9.5	12.5	5.4	15.9	16.9	14.4	15.6	15.4
Less than 50 lb	5.9	9.2	13.2	16.9	8.3	14.3	18.1	17.1	17.2	16.9
50 to 99 lb	7.7	19.9	12.3	16.5	13.3	33.4	42.2	26.3	19.0	20.3
100 to 499 lb	7.5	10.1	11.1	9.9	9.5	11.8	14.6	13.5	19.8	18.3
500 to 749 lb	25.0	17.8	28.0	13.1	16.2	18.1	16.2	25.7	22.8	24.5
750 to 999 lb	13.1	15.8	18.1	18.7	22.4	26.8	30.0	40.8	41.6	41.9
1,000 to 9,999 lb	10.9	9.1	11.3	6.8	16.5	12.0	12.2	19.7	19.1	18.3
10,000 to 49,999 lb	10.5	13.6	12.9	8.8	13.4	36.9	31.0	31.3	25.1	24.6
50,000 to 99,999 lb	30.7	29.0	35.1	28.1	36.2	37.5	48.3	39.0	45.2	44.9
100,000 lb or more	29.7	33.0	43.7	28.7	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	8.2	5.2	6.7	10.1	10.2	8.3	13.9	40.4	15.5	15.9
Less than 50 lb	13.9	10.5	10.7	10.5	11.5	12.4	16.6	S	17.6	18.3
50 to 99 lb	13.5	12.6	14.7	9.4	15.3	13.9	19.2	20.6	23.4	22.2
100 to 499 lb	10.6	5.1	10.5	9.7	13.4	11.4	15.5	20.7	16.8	18.2
500 to 749 lb	18.3	11.6	12.9	8.3	20.1	23.7	21.8	23.0	29.4	30.5
750 to 999 lb	21.9	12.6	19.1	11.4	37.0	25.9	16.5	39.1	29.2	28.3
1,000 to 9,999 lb	10.7	10.1	12.2	6.8	17.7	14.1	18.1	25.1	27.5	29.1
10,000 to 49,999 lb	22.3	7.7	11.0	8.4	31.8	28.8	47.3	29.3	29.2	30.0
50,000 to 99,999 lb	S	48.8	S	22.3	—	—	—	—	—	—
100,000 lb or more	S	S	S	23.5	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	8.8	9.3	11.4	13.0	13.6	14.1	20.1	17.4	17.9	17.3
Less than 50 lb	14.5	13.3	33.0	15.9	13.8	15.5	12.3	16.7	12.5	12.6
50 to 99 lb	19.5	25.1	23.5	18.1	28.0	32.9	42.9	30.8	19.8	21.4
100 to 499 lb	22.9	16.0	34.9	11.8	19.8	11.3	10.9	29.0	24.2	23.0
500 to 749 lb	21.7	15.8	18.0	18.4	40.2	23.2	24.4	34.5	26.8	25.8
750 to 999 lb	25.5	17.0	48.0	17.8	44.3	25.3	30.5	43.6	35.8	40.3
1,000 to 9,999 lb	14.2	15.5	13.9	16.5	22.8	25.5	40.2	25.0	24.1	24.4
10,000 to 49,999 lb	13.6	13.7	17.3	4.6	24.5	16.8	18.8	25.6	23.0	20.6
50,000 to 99,999 lb	33.1	25.7	29.6	19.3	46.3	49.3	44.7	S	S	S
100,000 lb or more	S	37.5	45.5	24.8	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	14.9	27.5	43.2	6.3	27.8	31.0	31.4	26.4	23.2	23.1
Less than 50 lb	20.8	26.9	41.0	5.8	31.9	34.4	S	37.1	S	S
50 to 99 lb	29.4	41.6	39.3	11.8	S	S	S	S	S	S
100 to 499 lb	25.1	30.6	30.7	14.4	43.6	43.5	45.7	S	43.4	45.3
500 to 749 lb	S	34.8	36.4	16.4	S	S	S	S	37.1	35.9
750 to 999 lb	S	32.7	39.3	20.1	S	47.4	S	S	S	S
1,000 to 9,999 lb	30.4	34.5	44.6	12.7	33.4	43.7	S	45.6	31.3	29.3
10,000 to 49,999 lb	22.8	35.0	S	15.8	41.1	34.7	33.8	49.5	32.3	33.1
50,000 to 99,999 lb	37.1	42.4	47.8	19.4	S	S	S	S	S	S
100,000 lb or more	S	S	44.6	19.7	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	10.5	15.4	18.6	6.8	13.6	18.6	24.0	16.6	38.2	36.9
Less than 50 lb	12.5	15.0	12.2	7.0	14.9	26.3	30.8	15.8	39.2	41.7
50 to 99 lb	19.6	12.4	15.8	6.9	34.8	21.6	25.0	26.1	21.1	21.3
100 to 499 lb	14.4	29.1	43.1	8.7	24.2	18.9	24.1	31.2	29.5	31.0
500 to 749 lb	24.8	35.9	32.7	11.3	42.8	19.3	23.6	S	S	S
750 to 999 lb	34.0	32.7	25.2	30.9	S	S	S	S	S	S
1,000 to 9,999 lb	14.8	23.0	47.0	13.9	39.3	40.6	47.8	40.7	S	S
10,000 to 49,999 lb	29.5	34.8	32.7	22.6	S	S	S	S	47.7	45.5
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.9	12.1	14.9	10.4	15.6	19.5	23.2	18.5	22.7	22.9
Less than 50 lb	26.7	24.8	23.2	15.3	26.4	16.1	20.6	37.8	36.2	37.0
50 to 99 lb	22.9	16.2	25.8	16.3	23.2	24.7	31.7	21.5	25.9	26.5
100 to 499 lb	13.3	16.8	18.0	10.8	18.1	26.9	34.5	21.4	21.0	21.4
500 to 749 lb	18.1	16.3	21.2	15.9	18.1	22.0	26.7	35.8	33.2	32.5
750 to 999 lb	17.8	21.9	13.9	28.1	27.0	34.7	42.7	32.6	39.8	39.4
1,000 to 9,999 lb	13.8	16.3	19.5	13.2	21.0	24.2	25.1	24.9	33.3	34.2
10,000 to 49,999 lb	21.9	20.8	21.3	16.0	49.7	42.9	S	40.8	41.4	38.9
50,000 to 99,999 lb	S	49.6	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.8	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	8.1	S	11.7	4.9	13.4	S	27.4	30.4	47.5	43.1
Less than 50 lb	9.0	23.3	28.5	4.9	15.3	18.6	17.3	22.1	21.5	20.5
50 to 99 lb	11.6	12.8	19.2	6.7	25.5	18.4	18.3	19.8	25.9	27.9
100 to 499 lb	9.4	8.1	13.3	6.4	13.2	11.0	12.7	12.6	11.6	11.7
500 to 749 lb	9.4	7.9	11.4	7.8	13.2	13.0	15.6	43.9	18.7	20.5
750 to 999 lb	13.9	11.8	18.1	8.3	16.4	18.9	22.1	28.5	17.7	18.1
1,000 to 9,999 lb	8.9	8.4	12.2	7.2	18.2	13.7	15.5	17.9	12.7	12.0
10,000 to 49,999 lb	36.0	31.0	19.7	16.3	S	34.8	32.2	S	S	S
50,000 to 99,999 lb	28.8	27.2	33.1	25.1	S	45.3	36.1	S	41.5	38.3
100,000 lb or more	S	S	41.0	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	16.2	18.4	42.0	18.3	24.6	23.7	34.2	20.8	13.3	14.1
Less than 50 lb	S	S	S	25.0	S	S	S	S	S	S
50 to 99 lb	S	S	S	21.6	—	—	—	—	—	—
100 to 499 lb	38.5	S	37.2	30.9	48.0	S	S	S	S	S
500 to 749 lb	S	S	44.7	S	S	S	S	S	42.1	42.2
750 to 999 lb	48.8	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	28.4	36.0	22.6	S	36.6	38.0	37.3	S	S	S
10,000 to 49,999 lb	16.0	17.5	15.3	11.1	27.4	27.1	36.4	27.0	15.3	16.5
50,000 to 99,999 lb	22.6	21.1	47.1	24.8	19.4	25.6	25.2	41.9	31.8	34.1
100,000 lb or more	30.4	33.1	S	19.6	30.8	32.1	40.8	36.9	38.3	39.1
SCTG 43, Mixed freight	14.0	13.2	16.6	16.8	15.8	15.6	13.8	21.0	17.0	16.3
Less than 50 lb	21.2	22.6	34.3	19.0	22.3	23.0	23.9	25.8	30.6	33.3
50 to 99 lb	21.6	23.4	32.9	21.5	23.3	33.9	35.4	40.6	33.5	35.3
100 to 499 lb	18.9	25.2	22.5	30.6	21.3	33.5	35.4	27.0	20.7	21.8
500 to 749 lb	26.8	38.0	21.5	34.1	36.9	48.6	44.1	27.7	23.3	21.0
750 to 999 lb	27.8	26.6	24.4	43.7	26.3	31.9	23.3	21.1	28.0	24.3
1,000 to 9,999 lb	12.6	15.3	16.4	9.6	19.5	22.8	18.8	10.7	10.1	9.7
10,000 to 49,999 lb	21.9	16.6	19.7	24.9	23.2	19.0	17.9	32.8	23.9	23.2
50,000 to 99,999 lb	S	S	S	21.6	—	—	—	—	—	—
100,000 lb or more	S	S	S	21.9	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	24.2	24.5	31.6	14.7	46.0	37.5	S	21.8	45.5	38.7
Less than 50 lb	21.8	22.4	26.7	16.2	29.8	24.9	27.5	41.3	33.2	37.2
50 to 99 lb	35.5	19.1	34.6	20.1	40.4	33.0	41.4	S	30.1	29.6
100 to 499 lb	S	23.1	41.6	20.5	S	32.8	38.3	33.3	26.7	26.6
500 to 749 lb	27.2	27.8	33.0	S	38.1	37.6	35.4	41.9	S	S
750 to 999 lb	29.5	37.1	39.3	S	36.6	45.2	36.3	48.7	48.3	S
1,000 to 9,999 lb	29.9	26.7	S	22.7	30.2	34.8	29.4	35.2	28.1	27.6
10,000 to 49,999 lb	24.5	31.3	37.2	37.8	39.9	S	S	43.5	S	S
50,000 to 99,999 lb	S	44.0	S	22.8	S	S	S	S	S	S
100,000 lb or more	S	S	S	23.0	S	S	S	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	11.3	6.7	8.6	5.2	5.7	7.9	7.2	8.8	11.1	7.1	15.1	17.4
Less than 50 lb	7.7	8.9	9.2	6.6	6.9	6.6	6.6	15.4	14.2	6.6	31.4	29.8
50 to 99 lb	10.9	10.3	11.0	10.9	6.7	7.7	13.1	7.5	7.3	16.2	18.6	18.7
100 to 499 lb	23.9	11.7	11.9	9.6	5.4	5.4	9.0	7.2	7.2	24.1	25.3	25.1
500 to 749 lb	17.0	9.4	11.4	9.7	5.7	6.2	9.5	10.1	9.8	20.5	13.7	13.9
750 to 999 lb	18.4	7.4	7.2	28.1	21.7	22.0	26.8	28.0	26.5	S	13.9	13.8
1,000 to 9,999 lb	26.0	7.3	8.6	9.9	3.9	4.0	12.0	10.0	9.8	9.9	5.5	5.5
10,000 to 49,999 lb	4.7	4.7	4.6	8.0	5.2	5.1	10.6	5.4	5.9	8.8	8.3	8.0
50,000 to 99,999 lb	11.0	8.1	7.6	27.2	13.6	13.4	28.1	16.3	17.3	24.7	24.8	24.6
100,000 lb or more	18.1	18.4	18.1	21.5	16.6	21.1	35.6	29.2	32.6	19.0	49.5	49.7
SCTG 01, Live animals and live fish	28.4	23.6	23.3	37.4	40.5	43.0	38.0	39.8	39.7	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	48.9	48.7	49.1	S	S	S	—	—	—	—	—	—
500 to 749 lb	47.7	47.4	49.3	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	49.8	S	S	S	—	—	—
10,000 to 49,999 lb	25.8	22.4	22.6	S	S	S	42.1	44.1	44.5	S	S	S
50,000 to 99,999 lb	48.5	47.0	47.3	S	S	S	S	50.0	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—
SCTG 02, Cereal grains	32.8	29.3	31.8	S	40.1	41.5	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	45.9	38.4	40.8	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	39.5	41.4	38.9	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 03, Other agricultural products	16.3	24.5	27.3	21.0	44.7	43.7	25.7	29.5	29.7	32.0	42.6	41.1
Less than 50 lb	S	35.5	39.4	S	48.8	49.7	S	S	S	S	S	S
50 to 99 lb	40.3	33.3	35.7	S	S	S	S	S	S	S	S	S
100 to 499 lb	27.6	34.6	31.7	S	S	S	42.3	43.4	43.2	44.0	41.0	41.0
500 to 749 lb	S	49.8	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	29.1	27.4	26.3	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	38.3	33.9	38.0	35.2	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	22.2	28.3	28.5	26.0	43.6	44.2	35.1	38.8	39.2	48.3	44.9	45.6
50,000 to 99,999 lb	39.1	41.6	45.6	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	24.4	24.2	22.6	27.6	23.8	23.7	28.1	28.6	28.3	32.4	30.8	30.7
Less than 50 lb	S	S	S	49.4	48.5	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	48.2	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	33.2	36.5	S	46.3	44.5	S	S	S
10,000 to 49,999 lb	22.6	25.5	24.3	29.7	24.6	24.6	34.1	30.6	30.8	34.8	35.3	35.0
50,000 to 99,999 lb	41.3	37.5	37.3	S	S	S	S	S	S	—	—	—
100,000 lb or more	36.1	36.4	36.1	—	—	—	—	—	—	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	12.3	14.9	14.7	18.2	16.9	19.1	36.2	35.6	37.9	S	46.5	45.8
Less than 50 lb	44.8	40.7	41.8	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	39.4	39.7	S	S	S	S	S	S	S	S	S
100 to 499 lb	26.5	24.6	24.1	40.4	40.6	42.9	S	S	S	S	S	S
500 to 749 lb	27.8	30.5	30.3	45.1	44.4	47.9	S	S	S	S	S	S
750 to 999 lb	32.5	33.9	37.4	48.8	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	16.0	21.1	20.9	21.7	18.2	18.5	45.1	40.2	41.6	36.2	32.4	32.1
10,000 to 49,999 lb	18.1	19.1	18.3	21.8	21.2	24.4	36.6	37.4	39.8	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	7.3	12.7	12.5	10.9	11.9	11.4	17.0	20.9	20.6	22.6	18.9	19.2
Less than 50 lb	S	S	S	39.3	37.8	39.8	44.8	S	S	47.8	S	S
50 to 99 lb	41.8	35.0	34.8	47.0	S	S	S	S	S	S	S	S
100 to 499 lb	33.2	39.0	38.8	48.3	S	S	S	S	S	S	S	S
500 to 749 lb	42.2	47.0	48.8	S	S	S	S	S	S	43.8	42.2	41.5
750 to 999 lb	38.5	S	S	37.9	41.2	37.7	S	S	S	S	S	S
1,000 to 9,999 lb	13.7	20.7	17.9	14.3	16.9	19.2	22.2	22.2	21.3	41.1	38.0	39.2
10,000 to 49,999 lb	12.0	14.4	13.7	12.8	14.5	13.6	19.2	22.6	22.4	25.9	21.2	21.5
50,000 to 99,999 lb	32.5	33.6	32.9	46.1	43.7	42.7	S	S	S	S	S	S
100,000 lb or more	S	46.5	47.0	30.1	31.5	31.1	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	8.9	10.7	11.7	15.2	11.5	11.2	14.5	20.4	21.5	14.7	19.8	18.8
Less than 50 lb	45.5	32.6	34.8	39.9	43.0	43.7	S	44.0	43.8	S	S	S
50 to 99 lb	S	27.4	29.3	40.0	38.0	41.3	S	S	S	S	44.3	43.7
100 to 499 lb	37.2	15.7	17.0	47.3	37.7	38.3	36.1	30.1	31.2	40.6	48.4	47.6
500 to 749 lb	20.6	19.5	19.6	S	39.7	42.2	S	43.5	43.5	S	S	S
750 to 999 lb	23.9	23.2	23.1	30.2	34.0	29.6	28.4	39.3	42.6	45.0	44.7	44.7
1,000 to 9,999 lb	23.7	12.7	10.7	45.8	23.3	22.2	30.0	23.8	24.6	21.9	18.2	18.4
10,000 to 49,999 lb	11.7	12.5	13.4	11.3	11.9	11.6	15.6	20.9	22.1	15.5	20.7	19.6
50,000 to 99,999 lb	39.7	33.1	32.3	S	50.0	S	45.9	41.5	41.2	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 08, Alcoholic beverages	28.1	27.4	27.5	29.5	26.4	27.4	39.9	39.0	41.3	46.0	46.2	45.7
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	49.8	—	—	—
100 to 499 lb	39.0	37.5	39.1	S	S	S	S	S	S	—	—	—
500 to 749 lb	45.4	44.4	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	35.8	33.9	34.9	S	S	S	S	42.7	42.2	S	S	S
10,000 to 49,999 lb	29.9	28.4	28.5	29.3	26.7	26.5	40.1	39.1	41.4	48.0	47.0	46.4
50,000 to 99,999 lb	43.9	42.8	43.5	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 09, Tobacco products	35.8	30.4	28.2	30.6	S	S	40.0	48.6	S	30.8	33.3	32.8
Less than 50 lb	48.1	35.6	33.1	S	37.6	42.7	40.3	40.8	41.2	S	48.5	47.9
50 to 99 lb	35.9	42.2	48.6	48.5	S	S	S	S	S	S	S	S
100 to 499 lb	S	25.7	28.9	30.8	26.9	28.1	31.4	31.4	31.5	30.2	30.1	29.9
500 to 749 lb	36.9	35.7	39.8	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	50.0	47.8	47.2	S	48.2	49.0	S	S	S	S	S	S
10,000 to 49,999 lb	47.7	47.7	47.7	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	S	S	S	36.8	38.1	37.5	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	—	—	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	38.2	39.7	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	37.6	41.7	41.4	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	S	45.6	35.7	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	47.9	48.0	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	27.7	27.1	28.4	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	40.4	S	S	S	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	27.0	28.3	27.9	38.6	S	45.4	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	34.5	33.5	33.6	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	22.3	27.3	26.7	S	45.7	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	35.0	31.0	30.5	S	S	S	29.6	49.6	48.5	43.1	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	45.1	44.5	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	43.6	42.7	S	S	S	S	46.4	44.4	S	S	S
10,000 to 49,999 lb	37.1	36.2	37.7	S	S	S	36.4	46.1	45.6	S	S	S
50,000 to 99,999 lb	41.1	49.8	50.0	S	S	S	—	—	—	—	—	—
100,000 lb or more	39.0	S	S	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	39.6	30.0	35.4	36.7	36.2	36.7	31.1	32.6	32.4	41.7	41.7	41.4
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	47.7	43.4	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	41.3	43.8	43.5	36.0	38.8	38.9	S	44.9	44.8
10,000 to 49,999 lb	25.6	32.6	37.4	S	33.8	33.8	37.6	42.0	42.3	43.6	45.2	44.8
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	49.5	46.7	46.7	—	—	—	S	S	S
SCTG 15, Coal	17.0	18.5	19.7	20.0	19.7	25.3	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	24.2	23.0	23.2	44.7	37.2	35.2	46.5	47.0	S	S	S	S
50,000 to 99,999 lb	S	38.7	39.3	S	S	S	S	S	—	—	—	—
100,000 lb or more	19.4	20.1	20.7	21.8	21.6	26.8	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	32.5	33.6	35.6	41.3	40.8	41.9	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	49.5	45.4	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	28.8	31.6	33.9	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	36.6	40.1	38.1	43.5	43.3	46.8	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	47.4	S	43.8	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	49.4	45.2	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	39.0	34.6	33.3	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	40.0	39.6	39.9	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	22.3	22.9	24.8	38.8	41.9	41.7	28.3	41.3	41.6	39.0	48.0	S
Less than 50 lb	48.7	S	S	43.7	44.2	43.8	40.1	S	S	S	S	S
50 to 99 lb	S	44.7	45.9	S	S	S	S	S	S	S	S	S
100 to 499 lb	32.4	36.4	35.1	38.2	31.8	31.8	35.6	35.9	37.5	42.1	44.2	45.1
500 to 749 lb	S	36.6	36.1	S	S	S	S	S	S	S	S	S
750 to 999 lb	42.7	39.3	38.6	S	48.3	S	42.8	42.6	41.6	S	S	S
1,000 to 9,999 lb	33.2	28.2	27.3	28.3	28.3	29.3	41.8	40.9	39.2	S	S	S
10,000 to 49,999 lb	24.7	25.6	26.0	S	42.1	42.2	41.0	39.8	44.7	47.7	38.7	38.9
50,000 to 99,999 lb	48.5	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	40.3	34.7	33.5	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	36.4	27.6	27.3	16.3	28.5	29.2	15.9	20.6	20.2	21.1	24.1	23.9
Less than 50 lb	25.4	S	S	S	S	S	28.8	29.4	32.4	34.2	42.2	43.7
50 to 99 lb	33.5	32.7	32.9	46.9	37.4	37.0	S	36.6	37.8	S	S	S
100 to 499 lb	S	36.2	33.5	S	34.9	34.7	34.4	31.7	34.7	45.3	47.1	45.4
500 to 749 lb	43.1	30.3	29.3	26.5	34.3	38.7	42.4	S	S	35.5	41.6	40.6
750 to 999 lb	26.9	39.1	40.5	S	29.1	32.2	37.2	23.0	22.8	S	S	S
1,000 to 9,999 lb	S	30.9	32.3	23.2	34.9	33.4	14.0	25.7	25.9	41.3	S	S
10,000 to 49,999 lb	32.5	36.0	36.3	10.6	23.1	21.8	26.9	26.6	26.6	23.0	21.8	22.0
50,000 to 99,999 lb	S	S	47.2	S	S	47.2	38.3	39.4	38.7	S	S	S
100,000 lb or more	39.2	38.3	38.7	44.4	43.8	43.6	35.9	37.6	35.7	S	S	S
SCTG 21, Pharmaceutical products	11.9	17.0	16.7	13.4	19.3	18.5	13.1	15.1	15.5	38.2	27.6	28.3
Less than 50 lb	21.5	14.5	14.8	18.6	16.0	16.4	24.8	23.1	23.2	22.7	27.3	27.0
50 to 99 lb	40.1	24.8	26.7	24.4	24.0	25.2	28.9	S	S	37.8	39.8	38.5
100 to 499 lb	28.4	22.8	24.9	31.6	35.6	37.1	34.4	S	S	48.4	28.4	28.3
500 to 749 lb	S	40.0	35.8	S	44.3	49.8	S	37.0	36.8	S	S	S
750 to 999 lb	49.2	32.8	30.5	49.4	40.9	42.5	43.0	42.6	44.0	S	S	S
1,000 to 9,999 lb	33.6	30.3	30.1	32.1	43.2	39.0	29.4	34.8	33.1	36.2	36.6	35.5
10,000 to 49,999 lb	26.3	24.6	27.2	27.0	30.0	30.8	29.1	24.6	24.9	33.7	41.0	42.3
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	S	S	S	S	S	S	44.1	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	47.9	S	46.8	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	42.5	43.8	46.0	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	48.2	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	31.4	12.4	13.0	22.8	15.1	16.6	46.6	11.0	11.5	31.0	17.4	17.3
Less than 50 lb	17.3	11.2	10.8	47.0	24.1	25.3	37.5	22.4	20.6	27.4	24.5	24.7
50 to 99 lb	39.5	18.8	22.8	25.1	21.8	21.8	S	32.2	31.9	41.3	28.3	27.8
100 to 499 lb	33.0	19.6	20.6	S	24.9	23.4	S	33.1	31.5	S	33.2	33.3
500 to 749 lb	39.0	32.4	33.6	S	29.5	30.0	22.0	24.6	24.3	28.3	25.1	25.8
750 to 999 lb	S	31.4	26.6	S	39.2	36.3	S	36.9	35.5	37.3	26.5	27.2
1,000 to 9,999 lb	S	13.5	14.6	25.9	20.7	20.7	S	22.4	23.5	46.6	22.2	21.9
10,000 to 49,999 lb	15.6	17.9	17.4	17.1	21.8	24.4	18.6	14.3	14.8	24.8	21.5	21.4
50,000 to 99,999 lb	S	S	S	48.1	47.9	45.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	43.0	42.9	S	S	48.6	S	S	S
SCTG 24, Plastics and rubber	5.1	8.9	10.2	8.7	14.2	13.4	11.8	22.4	22.0	9.0	15.4	15.2
Less than 50 lb	21.4	11.8	12.2	34.9	17.9	16.8	14.3	19.9	20.0	17.7	15.1	14.8
50 to 99 lb	16.4	9.2	9.7	18.4	12.5	12.2	16.7	19.8	19.7	14.0	18.7	19.8
100 to 499 lb	9.1	12.8	13.0	19.8	14.1	13.7	12.2	16.2	17.1	19.3	22.1	21.7
500 to 749 lb	14.6	16.2	16.3	25.3	17.1	16.7	21.1	20.7	21.6	46.3	20.6	21.7
750 to 999 lb	24.4	21.4	23.9	21.9	20.7	21.1	26.5	23.0	22.6	46.6	32.2	31.1
1,000 to 9,999 lb	7.1	9.9	10.4	13.4	13.4	15.1	19.7	41.5	41.3	11.6	15.7	15.0
10,000 to 49,999 lb	10.3	12.7	13.8	13.0	18.5	16.8	13.7	17.4	17.0	15.5	18.4	18.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	47.7	S	S
100,000 lb or more	S	S	S	S	39.7	39.4	47.2	41.6	39.1	S	S	S
SCTG 25, Logs and other wood in the rough	S	32.8	29.9	40.1	42.2	39.2	S	48.9	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	35.8	34.9	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	44.9	S	47.2	37.9	S	48.2	S	S	S	—	—	—
SCTG 26, Wood products	10.3	12.7	12.7	13.1	21.2	24.0	42.2	S	S	25.6	38.1	36.8
Less than 50 lb	41.4	34.5	36.1	35.1	32.3	29.2	S	S	S	46.2	37.8	37.7
50 to 99 lb	31.2	28.4	29.1	S	S	S	34.0	45.5	48.0	42.7	43.5	45.1
100 to 499 lb	S	36.4	35.7	24.2	27.3	26.4	25.0	28.2	29.0	31.9	44.3	42.7
500 to 749 lb	41.2	39.0	44.2	S	49.1	43.8	46.4	S	S	37.9	35.4	35.9
750 to 999 lb	23.6	20.1	21.9	S	S	S	S	S	S	49.0	S	S
1,000 to 9,999 lb	16.5	12.5	12.8	15.9	17.5	18.2	23.6	27.7	26.7	25.3	39.4	37.9
10,000 to 49,999 lb	12.4	14.5	14.3	14.8	15.8	15.5	22.4	19.8	19.9	38.6	38.1	37.4
50,000 to 99,999 lb	27.2	32.7	28.8	S	S	49.7	S	S	S	S	S	S
100,000 lb or more	37.3	S	S	S	S	S	S	S	S	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	15.8	16.7	14.7	11.5	16.4	16.7	9.8	12.3	12.5	13.2	19.6	20.4
Less than 50 lb	33.5	32.8	34.0	41.4	42.4	40.3	32.0	35.1	35.1	S	S	50.0
50 to 99 lb	45.4	32.0	30.9	39.9	S	S	S	S	S	45.9	42.3	40.2
100 to 499 lb	22.5	19.2	19.5	37.1	33.4	35.7	21.0	29.7	29.9	S	43.9	44.2
500 to 749 lb	27.5	23.6	25.5	23.7	28.8	29.7	31.0	34.6	35.1	S	S	S
750 to 999 lb	29.0	28.0	25.3	46.8	40.5	38.9	S	49.4	49.9	S	S	S
1,000 to 9,999 lb	22.8	19.4	20.7	23.8	22.1	23.3	24.2	23.3	22.4	26.7	24.1	23.7
10,000 to 49,999 lb	19.2	18.0	16.0	13.3	18.1	18.6	10.8	13.7	14.0	14.5	14.6	14.5
50,000 to 99,999 lb	45.3	39.3	38.4	35.5	31.6	33.9	S	S	S	S	S	S
100,000 lb or more	36.2	37.7	41.7	32.6	30.6	32.0	30.7	29.7	32.7	36.4	39.6	40.1
SCTG 28, Paper or paperboard articles	13.5	13.1	13.9	21.5	18.1	18.3	39.0	39.1	39.0	26.6	25.2	24.5
Less than 50 lb	35.7	36.2	37.8	29.8	26.6	27.8	43.8	42.8	42.7	40.1	37.0	36.9
50 to 99 lb	47.0	23.1	23.1	S	36.5	38.0	26.1	25.9	25.8	44.0	30.2	31.3
100 to 499 lb	19.0	19.1	19.8	28.2	29.0	29.5	39.1	34.5	34.1	34.2	40.8	39.1
500 to 749 lb	30.3	31.0	31.8	S	32.2	30.3	S	S	S	S	46.3	44.1
750 to 999 lb	38.1	32.2	30.0	S	S	S	32.4	38.4	38.7	48.8	43.9	44.3
1,000 to 9,999 lb	14.7	12.3	12.4	48.6	21.2	22.2	32.2	28.2	28.3	31.1	35.4	35.2
10,000 to 49,999 lb	20.2	15.8	16.8	23.9	20.8	21.3	40.1	28.4	27.8	33.8	28.4	27.8
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	S	29.8	32.6	44.2	16.6	17.7	44.0	37.0	38.5	38.2	26.2	26.0
Less than 50 lb	38.2	36.2	37.2	32.3	26.1	28.7	22.8	25.8	25.6	40.6	32.2	32.0
50 to 99 lb	45.7	47.3	S	45.5	35.6	40.9	47.6	39.3	36.8	S	S	S
100 to 499 lb	S	50.0	49.5	S	S	S	S	44.6	43.7	S	S	S
500 to 749 lb	S	S	S	S	23.4	22.7	S	S	S	S	S	S
750 to 999 lb	19.2	47.9	39.0	S	S	S	S	S	S	35.7	42.9	43.3
1,000 to 9,999 lb	S	S	S	S	31.0	34.6	S	32.2	34.4	33.5	18.3	18.4
10,000 to 49,999 lb	19.9	24.0	24.8	20.2	19.2	20.4	28.0	48.3	S	37.1	24.6	25.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	8.5	12.2	11.4	11.0	13.0	13.4	11.9	14.0	14.0	37.6	36.4	35.3
Less than 50 lb	15.7	20.4	19.6	15.1	17.5	18.7	20.7	24.8	24.4	21.8	28.5	27.9
50 to 99 lb	14.6	16.2	17.1	8.7	13.6	14.0	17.5	10.6	10.9	S	S	S
100 to 499 lb	13.1	14.7	14.7	15.2	20.3	19.8	15.8	15.6	15.8	S	S	S
500 to 749 lb	16.3	14.3	14.5	32.3	27.5	31.8	28.0	24.5	24.5	46.0	44.1	45.6
750 to 999 lb	30.1	21.9	22.5	S	19.6	21.7	24.3	22.3	22.2	30.8	40.3	38.7
1,000 to 9,999 lb	14.6	15.6	18.0	15.0	14.5	14.7	18.8	13.4	12.7	33.6	14.7	15.1
10,000 to 49,999 lb	21.1	23.4	20.6	22.9	21.5	23.1	24.2	25.0	25.1	28.6	36.2	34.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	8.6	9.4	8.2	7.9	10.0	9.9	15.0	13.0	13.0	22.4	19.4	19.2
Less than 50 lb	S	26.8	26.9	S	S	S	28.4	29.2	28.9	20.5	21.4	22.4
50 to 99 lb	23.7	19.1	21.4	28.4	31.8	31.3	38.1	S	S	40.1	S	S
100 to 499 lb	27.4	29.9	25.3	33.0	29.5	29.4	32.6	40.7	43.1	47.5	30.7	30.1
500 to 749 lb	28.1	24.2	22.6	26.0	23.9	22.9	44.7	40.7	41.2	33.8	S	S
750 to 999 lb	23.4	29.7	35.3	S	35.5	31.4	S	S	S	S	45.4	44.5
1,000 to 9,999 lb	26.0	25.5	30.4	13.6	11.7	10.3	31.1	17.7	18.3	49.5	37.0	36.3
10,000 to 49,999 lb	9.2	9.5	9.4	8.5	9.8	9.9	16.5	13.4	13.2	17.6	21.9	21.7
50,000 to 99,999 lb	10.6	19.7	15.6	23.5	29.3	27.7	46.8	43.9	44.3	S	S	S
100,000 lb or more	38.2	23.2	23.8	49.8	49.1	47.6	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	13.4	12.7	15.7	33.0	14.0	14.5	24.3	14.4	15.8	19.6	16.1	16.2
Less than 50 lb	36.3	43.7	46.2	43.2	43.8	42.4	44.3	25.9	25.8	38.5	35.6	34.9
50 to 99 lb	22.5	23.9	32.0	25.1	22.7	23.2	24.6	26.0	28.1	43.1	38.4	39.9
100 to 499 lb	19.2	16.0	15.5	21.1	24.2	25.2	42.7	19.8	20.0	27.7	24.6	24.7
500 to 749 lb	23.1	19.0	20.6	15.4	19.5	17.6	31.4	26.3	25.2	25.6	28.2	29.8
750 to 999 lb	22.2	31.2	29.8	26.6	27.4	27.0	S	20.1	19.9	32.8	33.0	32.7
1,000 to 9,999 lb	14.8	12.0	13.2	20.5	14.5	14.5	17.4	13.1	12.9	30.0	23.8	22.5
10,000 to 49,999 lb	18.1	10.3	10.4	35.0	13.5	13.9	30.3	12.3	12.7	20.2	11.8	11.7
50,000 to 99,999 lb	32.9	24.2	24.2	S	30.3	28.4	39.8	46.3	S	S	S	S
100,000 lb or more	33.8	34.8	37.6	S	30.3	31.2	S	S	S	49.5	40.1	38.8
SCTG 33, Articles of base metal	12.3	24.3	29.9	8.7	17.7	17.6	10.3	11.2	12.6	12.2	13.6	15.5
Less than 50 lb	21.2	12.6	11.8	16.3	14.1	14.0	16.4	21.9	22.0	24.3	16.4	16.9
50 to 99 lb	23.5	26.7	23.8	20.4	19.2	17.9	23.8	18.5	19.2	19.2	19.4	19.2
100 to 499 lb	16.7	17.7	19.0	14.2	20.0	18.8	17.1	19.8	19.1	20.9	18.6	17.9
500 to 749 lb	46.4	22.1	22.2	18.8	17.0	16.8	32.1	25.5	26.7	25.1	26.4	26.2
750 to 999 lb	24.7	25.2	25.1	45.5	26.3	24.0	20.9	25.2	23.8	32.8	32.3	33.5
1,000 to 9,999 lb	22.1	38.2	36.2	13.2	22.6	21.3	21.7	17.9	17.3	25.6	18.2	18.1
10,000 to 49,999 lb	20.0	26.1	25.2	13.2	15.3	15.1	16.1	15.2	16.6	18.1	15.8	16.8
50,000 to 99,999 lb	42.0	42.2	38.9	S	S	S	34.1	36.6	37.4	S	S	S
100,000 lb or more	S	S	S	39.0	S	49.3	S	S	S	45.0	S	S
SCTG 34, Machinery	10.1	12.4	13.6	10.9	14.4	13.9	9.0	11.4	11.8	19.9	19.2	18.9
Less than 50 lb	12.5	17.8	17.8	12.0	12.2	13.1	12.5	15.7	16.1	16.7	14.5	15.2
50 to 99 lb	15.0	26.2	27.0	14.8	16.2	16.4	19.5	14.4	14.9	43.8	44.1	47.7
100 to 499 lb	18.5	18.3	17.3	20.3	17.9	17.4	13.5	14.2	13.7	21.9	28.1	33.0
500 to 749 lb	49.9	38.2	40.1	25.0	30.3	32.8	23.0	23.4	24.6	29.9	28.5	30.2
750 to 999 lb	46.5	38.1	36.4	22.4	23.9	24.1	20.7	28.9	28.4	25.3	25.4	25.5
1,000 to 9,999 lb	18.4	16.7	16.4	18.3	13.8	13.2	19.0	18.5	18.3	21.4	23.7	24.0
10,000 to 49,999 lb	17.7	21.5	25.8	19.5	20.8	21.2	11.3	12.6	12.6	S	29.0	28.1
50,000 to 99,999 lb	S	44.3	37.2	33.5	37.3	45.3	49.7	S	S	S	S	S
100,000 lb or more	S	43.9	48.1	S	46.7	45.9	S	42.9	43.8	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	9.1	9.3	8.3	11.1	19.0	18.7	23.2	17.4	17.1	9.9	21.8	21.5
Less than 50 lb	8.7	12.5	12.2	15.7	16.1	15.9	13.7	13.6	13.5	12.1	11.8	11.6
50 to 99 lb	15.1	16.4	16.1	27.1	29.2	27.8	24.4	18.8	18.5	22.0	22.0	21.9
100 to 499 lb	17.8	10.2	11.2	11.9	15.3	13.6	30.9	17.2	17.1	28.5	32.8	35.1
500 to 749 lb	22.2	25.9	25.2	28.8	16.6	18.3	31.6	22.2	21.0	47.4	30.8	31.2
750 to 999 lb	S	18.7	19.4	28.5	20.8	23.5	34.5	28.9	30.5	32.8	32.0	32.6
1,000 to 9,999 lb	19.8	19.1	17.7	30.2	20.6	22.2	23.7	17.7	16.5	24.1	21.0	21.4
10,000 to 49,999 lb	23.3	14.5	15.4	17.7	25.7	24.9	48.0	24.4	24.6	31.1	44.5	44.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	11.7	9.7	9.7	16.3	13.9	15.6	22.0	26.3	24.9	15.1	17.4	17.7
Less than 50 lb	23.0	26.0	24.3	16.0	19.3	19.8	29.0	26.2	26.1	32.2	32.9	38.3
50 to 99 lb	35.9	33.7	31.5	25.1	24.4	24.0	25.7	31.2	36.4	32.4	28.1	29.5
100 to 499 lb	34.9	19.4	20.4	27.6	28.3	27.0	30.3	39.5	44.7	37.7	36.4	38.4
500 to 749 lb	36.2	28.0	24.8	23.6	19.3	20.0	S	44.4	47.1	47.0	S	S
750 to 999 lb	48.2	39.8	31.1	S	S	S	44.7	44.5	41.7	S	S	S
1,000 to 9,999 lb	22.9	19.6	19.5	26.7	12.7	13.5	23.4	24.4	24.4	25.5	24.3	24.5
10,000 to 49,999 lb	15.8	12.9	13.2	13.6	17.7	17.5	24.4	22.6	21.1	29.9	24.6	25.0
50,000 to 99,999 lb	S	S	S	S	43.0	S	S	42.8	44.1	S	S	49.5
100,000 lb or more	S	S	S	S	47.2	48.9	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	21.5	25.7	25.9	31.2	S	S	37.7	S	S	19.1	30.9	31.5
Less than 50 lb	46.0	26.0	25.8	37.5	49.1	48.1	24.0	30.7	30.7	47.5	36.6	35.1
50 to 99 lb	42.4	S	S	40.5	36.7	32.6	S	S	S	S	42.9	41.8
100 to 499 lb	S	34.6	36.3	S	41.5	41.5	S	S	S	44.1	43.2	43.3
500 to 749 lb	S	41.4	38.9	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	47.8	S	33.6	34.8	S	34.1	34.4	S	S	S
1,000 to 9,999 lb	S	33.8	31.3	48.8	48.5	47.1	47.4	34.7	33.9	49.6	S	S
10,000 to 49,999 lb	32.8	31.5	32.0	29.1	28.8	30.5	S	S	S	38.3	33.6	33.4
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	14.1	17.2	15.9	21.8	24.9	22.2	15.7	15.2	15.2	19.2	26.1	26.8
Less than 50 lb	18.9	15.3	15.6	36.4	19.9	22.4	18.0	14.1	14.3	21.3	19.1	19.9
50 to 99 lb	16.8	24.3	30.4	44.7	28.6	28.1	46.7	26.0	26.9	28.2	30.0	29.2
100 to 499 lb	16.1	33.2	36.1	30.2	23.0	23.1	20.3	44.2	44.3	26.2	42.1	41.6
500 to 749 lb	S	S	44.5	46.1	42.7	47.0	29.8	29.7	29.1	S	S	S
750 to 999 lb	44.2	S	S	43.2	48.4	S	S	39.8	36.6	S	S	S
1,000 to 9,999 lb	32.8	27.8	27.9	26.1	26.8	27.5	38.1	36.4	36.3	S	S	S
10,000 to 49,999 lb	47.8	S	S	S	S	S	38.4	43.1	41.1	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	13.4	15.8	12.8	23.2	18.2	19.7	14.5	22.2	24.3	17.9	23.1	23.7
Less than 50 lb	45.4	S	S	32.9	23.7	23.7	35.7	31.6	33.6	39.9	23.2	22.9
50 to 99 lb	41.8	25.7	24.3	25.6	20.5	19.9	32.4	26.9	29.5	25.2	22.6	22.3
100 to 499 lb	33.3	19.0	17.2	20.1	15.6	16.0	17.9	19.5	20.1	27.0	29.0	28.3
500 to 749 lb	28.0	24.4	22.9	23.6	19.4	18.4	31.3	28.6	26.8	30.4	32.4	32.7
750 to 999 lb	25.6	23.2	24.7	35.8	48.6	45.4	35.9	33.3	33.9	42.4	34.0	32.2
1,000 to 9,999 lb	15.5	20.7	19.3	25.7	24.0	25.4	23.0	35.8	38.4	29.9	31.4	31.7
10,000 to 49,999 lb	32.8	33.0	27.7	39.7	26.0	27.8	28.1	31.2	30.1	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products	11.3	20.5	18.6	9.4	17.0	16.8	8.6	16.1	16.9	12.1	16.1	15.5
Less than 50 lb	20.1	20.6	18.4	17.1	20.7	21.0	17.0	43.8	42.3	22.6	S	S
50 to 99 lb	16.2	19.1	17.0	18.4	15.3	16.1	17.4	13.2	12.9	17.3	18.4	18.2
100 to 499 lb	11.5	11.3	11.4	14.6	10.4	10.8	21.7	21.5	21.9	12.9	15.1	15.1
500 to 749 lb	23.4	15.5	15.6	19.2	20.8	21.1	15.1	22.1	20.6	24.4	30.9	30.6
750 to 999 lb	25.2	21.2	20.2	33.9	20.2	26.1	31.2	23.5	23.0	32.0	23.6	23.4
1,000 to 9,999 lb	12.2	13.8	14.7	17.5	23.6	23.8	19.6	15.7	15.9	25.2	19.0	18.0
10,000 to 49,999 lb	30.3	31.7	28.9	18.4	21.6	21.6	17.1	21.5	22.6	19.1	24.3	24.3
50,000 to 99,999 lb	25.6	30.3	27.6	38.1	43.8	44.6	S	S	S	—	—	—
100,000 lb or more	S	46.2	48.0	S	S	S	—	—	—	—	—	—
SCTG 41, Waste and scrap ..	17.8	16.6	16.8	22.2	32.6	33.8	37.8	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	—	—
100 to 499 lb	S	S	S	S	S	S	S	48.2	48.1	S	S	S
500 to 749 lb	S	S	S	S	S	S	48.9	46.4	46.6	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	40.9	33.3	36.0	46.7	41.3	41.0	S	S	S
10,000 to 49,999 lb	20.6	19.1	19.7	21.0	26.3	27.5	25.2	26.0	26.3	30.8	34.3	36.2
50,000 to 99,999 lb	31.5	29.3	28.3	39.2	36.7	35.1	S	S	S	—	—	—
100,000 lb or more	38.9	43.3	42.4	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	12.2	12.9	13.5	17.8	28.2	29.0	47.5	39.1	41.3	S	40.0	39.0
Less than 50 lb	29.9	33.7	34.3	45.9	43.9	45.4	S	S	S	S	S	S
50 to 99 lb	41.2	41.3	40.2	31.4	40.8	38.4	S	49.8	S	S	S	S
100 to 499 lb	32.2	32.4	34.2	42.6	S	49.8	49.1	47.2	48.2	S	S	S
500 to 749 lb	S	S	S	48.4	43.6	41.2	S	S	S	S	S	S
750 to 999 lb	34.8	32.4	30.5	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	20.1	22.9	24.0	22.8	30.7	29.0	S	46.0	46.0	S	38.5	38.9
10,000 to 49,999 lb	23.5	16.3	18.1	24.1	31.8	33.3	41.2	43.6	46.1	S	46.0	44.8
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	24.7	22.1	24.9	18.7	21.7	22.1	41.4	43.1	42.0	25.9	29.7	30.8
Less than 50 lb	31.2	33.0	31.1	34.7	S	S	42.7	32.6	31.3	S	S	S
50 to 99 lb	43.3	39.1	41.0	S	37.2	37.1	S	S	S	S	S	S
100 to 499 lb	45.7	47.3	43.2	37.4	29.4	29.7	S	48.7	49.4	S	48.7	48.0
500 to 749 lb	S	S	S	47.3	46.6	49.4	S	S	S	S	S	S
750 to 999 lb	S	43.8	41.1	S	S	S	S	41.3	40.6	S	S	S
1,000 to 9,999 lb	32.0	38.5	45.2	46.7	42.7	47.0	S	S	S	48.2	S	S
10,000 to 49,999 lb	43.4	24.9	24.3	32.7	26.1	25.0	49.2	40.2	38.8	39.1	35.5	36.7
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	4.5	21.5	21.3	14.5	12.4	12.2	7.0	6.0	6.6
Less than 50 lb	6.3	11.7	11.5	16.2	9.2	9.2	7.6	12.7	12.5
50 to 99 lb	14.4	24.3	25.2	18.7	28.1	29.3	14.0	12.9	12.8
100 to 499 lb	16.2	9.1	9.8	27.4	12.7	13.0	15.1	21.0	20.6
500 to 749 lb	18.8	12.1	13.9	S	21.8	23.1	19.4	33.3	33.0
750 to 999 lb	14.5	10.7	10.5	28.1	18.4	18.3	S	S	S
1,000 to 9,999 lb	10.3	8.5	9.0	40.7	17.9	16.6	10.1	11.3	10.5
10,000 to 49,999 lb	8.5	7.5	7.5	9.6	15.2	15.6	8.3	6.7	6.7
50,000 to 99,999 lb	25.1	23.6	23.4	39.0	45.8	46.6	22.6	27.9	27.6
100,000 lb or more	30.2	49.8	48.4	S	36.0	35.3	25.6	26.4	28.3
SCTG 01, Live animals and live fish	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	S	S	S	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	S	S	S	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 03, Other agricultural products	29.3	32.2	30.8	40.1	S	S	S	S	S
Less than 50 lb	47.6	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	41.4	40.9
500 to 749 lb	S	S	S	S	S	S	S	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	46.4	39.1	37.6	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	37.6	28.4	28.6	S	S	S	S	45.2	47.2
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	43.8	34.7	34.8	S	S	S	S	46.9	46.5
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	33.7	35.9	36.9	47.8	48.7	48.9	24.2	25.5	25.6
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	48.2	42.6	39.6	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	—
750 to 999 lb	46.4	46.9	48.9	S	S	S	S	S	S
1,000 to 9,999 lb	31.4	32.9	32.9	35.6	35.8	35.4	41.6	42.0	42.0
10,000 to 49,999 lb	36.7	38.8	39.7	S	S	S	29.8	29.1	29.2
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	20.6	19.4	20.0	S	34.0	33.5	18.2	28.2	28.3
Less than 50 lb	S	S	S	S	S	S	47.9	45.1	45.4
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	—
750 to 999 lb	S	S	S	S	S	S	49.3	44.6	44.2
1,000 to 9,999 lb	28.6	29.4	29.6	28.8	27.5	27.6	46.9	49.3	S
10,000 to 49,999 lb	22.3	21.5	22.3	S	35.8	35.4	20.3	23.6	21.8
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	14.1	14.5	14.5	18.1	22.9	24.5	14.5	13.3	13.3
Less than 50 lb	S	S	S	S	S	S	47.4	S	S
50 to 99 lb	S	S	S	S	S	S	S	42.8	43.0
100 to 499 lb	38.5	S	S	42.8	38.0	37.2	40.3	40.4	41.2
500 to 749 lb	48.4	40.1	39.3	S	48.6	49.4	45.8	41.3	40.9
750 to 999 lb	S	S	S	S	47.4	47.5	40.8	48.5	47.3
1,000 to 9,999 lb	22.0	14.6	14.0	41.9	32.4	32.1	S	43.8	44.1
10,000 to 49,999 lb	16.1	15.2	15.4	21.1	25.7	27.7	14.0	15.4	15.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 08, Alcoholic beverages	43.6	43.0	42.5	S	43.4	42.4	40.3	35.4	38.2
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	46.1	47.4	48.6	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	49.8	S	48.7	48.2	44.0	38.1	41.3
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 09, Tobacco products	44.9	31.4	31.5	S	S	S	S	S	S
Less than 50 lb	S	42.2	44.0	S	48.7	48.7	S	44.3	44.0
50 to 99 lb	S	49.2	49.6	S	—	—	S	S	S
100 to 499 lb	S	47.1	48.0	S	S	S	S	S	S
500 to 749 lb	46.4	43.6	44.1	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	S	S	S	S	S	S	S	44.2	44.7
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	49.1	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	48.1	48.5
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	41.4	41.1	40.6	41.5	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	48.4	43.3	44.0	48.2	S	S	43.7	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 15, Coal	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	48.2	S	S	S	S	S	36.2	40.1	41.0
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	48.9	48.3	S	S	S	S	41.2	40.1
500 to 749 lb	—	—	—	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	46.3	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	43.9	40.9	40.6
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	16.0	S	48.6	25.0	S	S	12.6	14.0	14.2
Less than 50 lb	39.8	S	S	40.6	S	S	47.5	35.5	35.9
50 to 99 lb	S	45.9	46.4	S	S	S	49.9	S	49.5
100 to 499 lb	S	S	S	46.8	35.7	36.1	41.9	44.2	44.6
500 to 749 lb	42.9	49.3	49.8	S	38.9	39.0	38.0	33.5	33.1
750 to 999 lb	42.0	29.3	28.5	S	S	S	47.3	45.5	45.0
1,000 to 9,999 lb	19.3	22.6	23.2	28.6	27.7	28.4	19.7	23.3	23.2
10,000 to 49,999 lb	21.2	38.8	38.4	34.1	S	S	18.3	19.2	18.5
50,000 to 99,999 lb	44.8	36.7	37.6	S	S	S	S	S	S
100,000 lb or more	31.7	S	S	—	—	—	45.1	42.8	42.9
SCTG 21, Pharmaceutical products	41.7	24.6	23.7	43.7	25.2	25.5	27.5	16.4	16.7
Less than 50 lb	25.6	37.3	37.4	S	37.0	37.1	42.4	32.7	33.1
50 to 99 lb	45.6	S	S	S	41.6	41.3	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	28.7	28.8
500 to 749 lb	43.3	32.4	32.7	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	37.6	36.8
1,000 to 9,999 lb	45.9	41.2	40.3	S	S	S	46.4	S	S
10,000 to 49,999 lb	35.6	S	S	S	S	S	48.0	23.5	23.4
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	22.1	17.6	18.0	S	19.4	19.4	34.8	24.7	21.7
Less than 50 lb	28.6	19.0	19.1	41.8	30.3	31.5	33.6	20.2	20.3
50 to 99 lb	28.5	29.3	29.2	S	S	S	S	28.0	27.6
100 to 499 lb	S	25.9	26.2	33.3	28.0	27.1	S	36.5	31.1
500 to 749 lb	42.2	35.5	36.6	S	S	S	S	29.9	29.9
750 to 999 lb	S	46.3	49.0	46.0	40.7	41.4	43.8	29.7	30.1
1,000 to 9,999 lb	33.1	26.5	26.5	49.4	33.8	33.1	S	41.4	36.0
10,000 to 49,999 lb	25.2	20.1	19.9	31.5	31.4	32.3	30.2	25.2	25.1
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	35.7	37.7	36.0	—	—	—	S	S	S
SCTG 24, Plastics and rubber	12.3	30.3	35.7	14.4	22.8	22.7	11.4	27.7	31.2
Less than 50 lb	22.2	20.7	20.6	27.8	25.4	25.9	17.6	16.7	16.9
50 to 99 lb	31.9	30.0	31.5	35.0	29.1	27.6	24.9	28.7	28.5
100 to 499 lb	24.5	33.6	33.8	21.5	19.2	18.3	27.8	25.1	25.1
500 to 749 lb	23.2	23.7	23.2	38.8	S	S	41.4	26.8	27.5
750 to 999 lb	29.1	29.2	29.8	25.7	42.0	42.1	29.6	23.5	23.6
1,000 to 9,999 lb	18.2	14.1	13.9	14.1	12.7	12.9	20.7	17.9	18.2
10,000 to 49,999 lb	16.0	16.6	17.2	27.8	27.5	26.3	16.1	30.8	30.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 26, Wood products	28.7	47.8	46.4	S	S	S	18.0	34.4	33.8
Less than 50 lb	S	45.8	46.9	S	49.6	48.2	36.3	33.0	33.0
50 to 99 lb	46.8	47.2	47.2	S	S	S	S	S	S
100 to 499 lb	41.4	S	S	42.4	S	S	42.4	42.1	41.9
500 to 749 lb	34.5	44.8	44.7	S	S	S	40.6	S	S
750 to 999 lb	S	S	S	S	S	S	43.8	48.2	48.7
1,000 to 9,999 lb	40.6	31.3	31.4	S	S	S	49.6	34.6	34.7
10,000 to 49,999 lb	20.1	15.5	16.1	S	S	S	18.6	22.4	22.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	15.7	16.3	17.4	33.1	24.7	25.0	13.2	19.6	20.0
Less than 50 lb	S	S	S	43.9	S	S	S	S	S
50 to 99 lb	43.9	S	S	S	S	S	S	S	S
100 to 499 lb	S	44.4	44.1	41.8	44.7	46.2	43.2	26.4	26.6
500 to 749 lb	S	S	S	S	S	S	37.6	43.4	44.7
750 to 999 lb	45.3	43.9	46.4	S	S	S	S	S	S
1,000 to 9,999 lb	35.0	32.7	31.6	22.8	28.8	27.9	37.6	35.3	35.3
10,000 to 49,999 lb	15.0	18.7	20.1	37.7	26.3	26.3	14.9	16.4	16.6
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	42.7	43.9	43.5
SCTG 28, Paper or paperboard articles	17.3	24.5	25.4	35.9	S	S	19.5	33.8	31.8
Less than 50 lb	36.7	42.0	40.2	43.3	37.3	36.2	49.3	44.9	45.0
50 to 99 lb	43.3	40.2	39.6	S	38.9	39.3	46.2	42.2	42.2
100 to 499 lb	S	38.8	38.1	38.2	44.5	42.2	29.4	46.1	47.1
500 to 749 lb	26.8	34.6	34.2	44.9	39.3	39.2	S	44.7	44.6
750 to 999 lb	40.5	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	24.9	30.8	31.1	41.3	34.0	35.2	29.8	26.5	26.7
10,000 to 49,999 lb	26.7	32.4	33.7	S	S	S	32.2	45.4	42.5
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	36.7	19.9	20.7	S	S	S	S	37.7	36.9
Less than 50 lb	42.0	38.5	38.6	29.7	26.4	26.0	28.3	34.4	34.2
50 to 99 lb	S	S	S	S	S	S	49.9	S	S
100 to 499 lb	S	S	S	36.5	40.2	39.7	S	S	S
500 to 749 lb	S	46.2	47.1	S	41.1	40.5	S	S	S
750 to 999 lb	45.1	39.1	40.7	S	S	S	S	S	S
1,000 to 9,999 lb	29.7	20.1	19.7	S	S	S	S	S	S
10,000 to 49,999 lb	33.2	26.7	26.6	44.0	40.2	39.6	22.3	39.2	40.6
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	16.3	24.5	25.7	20.3	14.5	14.6	14.2	13.2	13.4
Less than 50 lb	21.4	28.3	27.3	34.5	30.1	29.9	17.0	22.3	23.3
50 to 99 lb	S	S	S	S	S	S	20.4	17.7	17.6
100 to 499 lb	22.5	23.9	22.8	20.2	21.7	22.2	32.6	36.7	37.7
500 to 749 lb	20.4	26.3	25.4	29.9	29.1	28.8	24.6	28.2	27.3
750 to 999 lb	26.8	27.7	25.8	S	S	S	43.1	35.0	33.4
1,000 to 9,999 lb	21.6	42.9	45.3	31.4	24.6	25.4	17.1	17.0	17.2
10,000 to 49,999 lb	26.3	22.9	23.5	S	S	S	27.8	27.4	27.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	17.9	17.4	17.4	23.2	29.5	30.5	16.2	37.9	35.5
Less than 50 lb	34.7	32.1	32.3	S	S	S	43.6	S	S
50 to 99 lb	31.8	27.8	28.7	S	40.6	38.5	34.9	37.2	37.7
100 to 499 lb	21.6	24.8	25.4	35.9	S	S	20.5	18.3	18.1
500 to 749 lb	30.5	26.7	26.1	49.9	40.6	39.9	S	42.2	43.8
750 to 999 lb	23.4	30.3	28.7	S	44.9	45.0	47.5	23.6	23.4
1,000 to 9,999 lb	30.9	39.0	37.2	37.7	28.5	28.6	28.9	25.2	25.2
10,000 to 49,999 lb	20.8	14.2	15.3	41.8	40.0	39.2	22.4	38.6	37.1
50,000 to 99,999 lb	S	S	S	S	S	S	46.1	S	S
100,000 lb or more	S	43.8	45.6	41.1	S	S	46.6	47.3	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	13.1	15.7	17.3	26.5	25.3	24.9	32.9	20.0	20.1
Less than 50 lb	42.8	42.2	40.5	49.4	S	S	35.4	S	S
50 to 99 lb	29.0	29.9	29.5	27.2	30.7	30.0	34.9	22.1	22.5
100 to 499 lb	27.1	35.1	34.5	27.2	25.2	24.7	S	41.0	41.1
500 to 749 lb	42.8	39.6	37.0	S	45.1	45.0	S	50.0	49.5
750 to 999 lb	40.4	37.2	37.6	48.2	43.1	42.8	36.4	40.8	41.6
1,000 to 9,999 lb	15.1	17.4	17.5	47.3	37.5	37.0	44.7	25.9	26.8
10,000 to 49,999 lb	17.3	14.0	15.5	41.1	33.0	32.6	40.3	25.6	25.9
50,000 to 99,999 lb	S	S	S	S	S	S	S	38.3	37.8
100,000 lb or more	38.0	41.9	41.8	S	S	S	S	S	S
SCTG 33, Articles of base metal	11.0	17.5	19.8	30.7	S	S	20.7	17.8	17.8
Less than 50 lb	22.7	21.5	22.0	S	20.4	20.8	41.9	S	S
50 to 99 lb	21.0	33.9	36.3	S	S	S	37.1	30.3	28.8
100 to 499 lb	20.5	19.1	20.1	21.0	26.9	28.0	20.3	20.7	21.0
500 to 749 lb	30.1	31.2	33.0	40.7	43.6	42.6	19.2	26.5	26.0
750 to 999 lb	36.6	27.9	28.2	S	S	S	32.3	29.4	29.7
1,000 to 9,999 lb	19.6	15.9	15.8	23.4	27.4	27.3	31.9	30.4	30.9
10,000 to 49,999 lb	11.8	17.5	18.3	39.8	38.8	39.1	29.0	37.1	37.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 34, Machinery	11.1	14.8	14.3	19.8	20.6	20.0	12.8	14.1	14.6
Less than 50 lb	16.2	15.1	15.9	13.8	18.3	18.1	25.0	23.4	23.9
50 to 99 lb	34.1	24.6	22.9	35.0	44.2	47.2	41.9	26.0	26.1
100 to 499 lb	18.5	17.9	18.3	32.4	45.9	46.6	21.8	20.1	20.2
500 to 749 lb	S	S	S	42.9	40.1	40.3	48.7	46.3	42.6
750 to 999 lb	36.7	38.1	35.5	41.7	47.9	48.6	36.4	33.2	33.5
1,000 to 9,999 lb	17.1	13.1	12.5	28.9	24.9	24.9	27.1	20.7	20.8
10,000 to 49,999 lb	19.1	18.0	17.5	34.0	37.1	36.8	27.7	24.4	25.5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	16.5	13.3	12.6	14.8	22.9	23.5	11.7	13.0	13.1
Less than 50 lb	10.5	9.5	9.4	13.3	12.5	12.9	14.5	18.9	19.2
50 to 99 lb	21.3	21.7	21.5	36.4	26.4	27.3	27.0	17.2	17.4
100 to 499 lb	44.8	16.0	16.6	15.6	12.0	11.9	16.1	16.7	16.3
500 to 749 lb	39.4	30.3	30.4	S	S	S	S	26.3	26.8
750 to 999 lb	38.1	30.0	30.5	S	S	S	S	39.8	40.2
1,000 to 9,999 lb	26.9	20.1	20.0	27.9	45.2	43.0	31.7	21.8	21.6
10,000 to 49,999 lb	49.4	22.9	22.0	31.4	32.0	32.5	28.6	22.4	22.4
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	20.9	32.4	32.2	28.7	29.0	28.8	19.0	15.9	15.9
Less than 50 lb	33.5	35.1	35.9	39.3	30.7	30.1	49.9	S	S
50 to 99 lb	32.7	36.9	36.9	47.1	S	S	29.7	47.4	46.1
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	34.5	35.0	S	S	S	35.3	32.7	32.6
750 to 999 lb	46.2	35.7	36.5	—	—	—	S	S	S
1,000 to 9,999 lb	29.9	29.7	31.2	41.0	36.1	38.3	27.1	21.4	21.6
10,000 to 49,999 lb	41.0	46.9	46.7	49.7	40.7	40.4	40.7	37.0	37.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 37, Transportation equipment, n.e.c.	32.5	36.5	38.9	S	S	S	22.6	S	S
Less than 50 lb	37.9	47.8	S	42.3	31.2	31.0	34.1	S	S
50 to 99 lb	43.9	S	S	S	S	S	39.0	40.0	40.2
100 to 499 lb	S	S	S	S	43.1	42.6	37.0	34.9	35.6
500 to 749 lb	46.7	S	S	S	S	S	S	38.0	37.9
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.0	35.6	35.9	S	S	S	31.3	S	50.0
10,000 to 49,999 lb	37.9	37.2	36.5	S	S	S	40.5	S	S
50,000 to 99,999 lb	48.6	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	15.1	20.3	19.5	21.5	33.1	33.2	15.3	30.2	30.1
Less than 50 lb	19.9	12.4	12.5	23.6	14.2	13.6	22.4	18.3	18.3
50 to 99 lb	32.9	19.7	19.1	S	27.9	27.9	26.3	30.8	30.0
100 to 499 lb	26.8	43.8	43.0	31.2	S	S	26.6	45.3	43.6
500 to 749 lb	33.1	S	S	S	S	S	S	S	S
750 to 999 lb	S	41.1	42.5	S	S	S	S	S	S
1,000 to 9,999 lb	37.0	39.1	39.7	S	S	S	48.7	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	21.8	22.0	22.0	29.0	36.5	36.2	19.5	23.7	23.9
Less than 50 lb	S	31.1	30.2	32.2	43.4	42.6	S	37.2	36.8
50 to 99 lb	S	34.0	32.1	41.1	37.2	39.0	30.7	34.7	34.4
100 to 499 lb	26.2	30.2	29.8	37.4	47.3	44.8	34.5	25.8	26.1
500 to 749 lb	33.3	29.1	30.1	S	S	S	33.4	36.9	37.3
750 to 999 lb	S	46.5	45.1	38.7	43.0	42.6	41.9	45.1	43.8
1,000 to 9,999 lb	31.8	30.9	30.9	47.2	S	S	26.3	27.5	27.5
10,000 to 49,999 lb	S	S	S	S	S	S	35.7	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	8.3	15.7	16.2	29.7	19.2	18.5	7.8	20.2	20.0
Less than 50 lb	11.1	21.0	21.7	42.6	19.3	19.7	10.1	36.4	35.6
50 to 99 lb	16.9	17.1	17.1	41.5	S	S	19.1	25.1	24.7
100 to 499 lb	21.6	16.1	16.6	30.4	36.5	36.4	11.7	14.0	14.1
500 to 749 lb	28.2	28.8	29.1	43.1	43.7	43.2	30.3	21.8	21.8
750 to 999 lb	S	32.0	32.8	30.5	27.7	27.4	30.6	34.8	35.6
1,000 to 9,999 lb	19.9	17.1	17.6	29.8	31.4	34.5	21.3	24.6	23.9
10,000 to 49,999 lb	24.9	25.1	25.9	35.5	48.6	47.0	25.7	37.1	37.5
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 41, Waste and scrap .	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	47.9	47.7	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	46.3	46.6	S	S	S	S	S	S
10,000 to 49,999 lb	36.4	S	S	—	—	—	48.7	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 43, Mixed freight	30.4	39.8	39.6	39.7	S	S	S	47.5	45.9
Less than 50 lb	47.6	S	S	S	S	S	48.1	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	42.8	42.1	41.7	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	35.0	28.1	28.1	S	S	S	38.9	43.9	44.4
10,000 to 49,999 lb	39.2	40.0	40.0	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	29.5	25.8	26.0	S	S	S	30.4	S	S
Less than 50 lb	48.5	37.3	36.5	S	S	S	42.2	32.3	33.0
50 to 99 lb	S	49.4	49.1	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	42.9	42.4
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	48.9	S	S
10,000 to 49,999 lb	40.5	33.1	35.3	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

SAMPLE DESIGN

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

First Stage

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidiroglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty make up the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode-NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

Second Stage

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26,

1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

Third Stage

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

DATA COLLECTION

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which

the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed "unusable." (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these "unusable" shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of "usable" shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment's reporting week are both equal to one.

The quarter weight inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of

quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment's value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment's probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

Appendix D.

Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by agencies of the United States and Canadian governments based on the Harmonized System (HS) of product classification which is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In the past, Commodity Flow Survey (CFS) data have been collected and reported using product classifications found in the Standard Transportation Commodity Classification (STCC) system. These classifications were developed in the early 1960s by the American Association of Railroads (AAR) to analyze commodity movements by rail. The original purpose of the STCC was for identification of commodities for purposes of assigning rates for Interstate Commerce Commission (ICC) regulated rail carriers. The STCC continues to be used by the AAR as a tariff mechanism.

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although

it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

In 1997 the CFS provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, we instructed respondents to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment.

Additional information on the SCTG system can be found on the Internet through the BTS web page at <http://www.bts.gov>. Comments or questions on the SCTG should be directed to [http://cfs@bts.gov](mailto:cfs@bts.gov).

Appendix E.

Sample Report Forms and Instructions

The sample report forms and instructions are shown on the following pages.

Note: The CFS-2000 was sent to a subsample of establishments to obtain additional information about the use of transportation equipment and facilities.

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see *Instruction Guide* for a definition of "shipment."**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

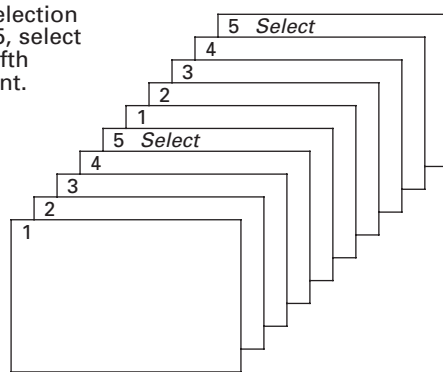
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

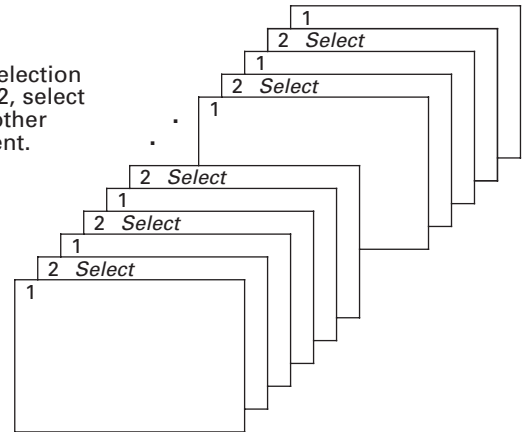
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel

6 — Deep draft vessel

7 — Pipeline

8 — Air

9 — Other mode

0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G
1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

2. Are the records for outbound shipments from this location maintained in a number of separate files (e.g., separate files for each commodity, or for each shipping site) at this location?

☐ Yes

☐ No

If yes to item G1 or item G2:
3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

Enter the total value of shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item I

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item J
CERTIFICATION

Name of person to contact regarding this report — *Please print*

Telephone number — *Include area code*

Date

Signature

Title

FORM CFS-1000 (11-1-96) Page 7

E-8 APPENDIX E TRANSPORTATION-COMMODITY FLOW SURVEY

U.S. Census Bureau, 1997 Economic Census

**1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION****Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS
1201 East 10th Street
Jeffersonville IN 47132-0001**

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
 2 ☐ Temporarily or seasonally inactive
 3 ☐ Ceased operation — Give date —→

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see Instruction Guide for a definition of "shipment."

**DO NOT PROCEED UNTIL YOU HAVE
COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

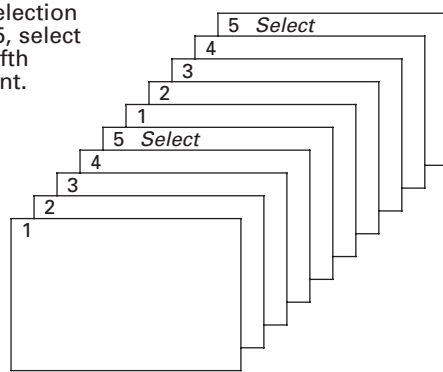
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

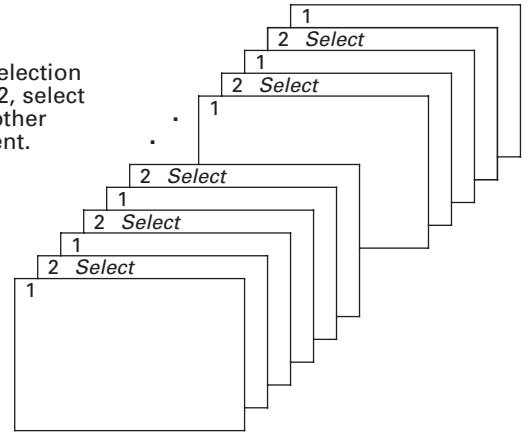
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
N	Los Angeles	CA	9 0 0 4 0	2, 4, 3	N				0
N	New York	NY	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	(j)					(m)			
(i)	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G Enter the total dollar value of **all** shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item H In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item I AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not this type of facility existed **on-site** during 1997. For each "Yes" in column (b), check "Yes" or "No" in column (c) to indicate whether or not you used the facility on your premises for **outbound shipments** during 1997.

Type of shipping facility (a)	Was a shipping facility of this type on your premises during 1997? (b)	Did you use this facility on your premises for outbound shipments during 1997? (c)
1. Rail siding	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
2. Dock on the Great Lakes	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
3. Dock on inland water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
4. Dock on deep sea water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
6. Pipeline terminal	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item J **USE OF OFF-SITE SHIPPING FACILITIES**

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not you used an **off-site** facility of that type for **outbound shipments** during 1997. For each "Yes", enter the miles to that off-site facility in column (c), and the mode of transport used to reach that facility in column (d). The modes are listed below.

Type of shipping facility (a)	Did you use this type of off-site facility for outbound shipments during 1997? (b)	Distance to the off-site facility of this type that you used most in 1997 (Report in miles – estimates are acceptable) (c)	Mode of transport used to reach that facility (Enter a code from the list below) (d)
1. Rail siding	1 ☐ Yes —————→ 2 ☐ No		
2. Dock on the Great Lakes	1 ☐ Yes —————→ 2 ☐ No		
3. Dock on inland water	1 ☐ Yes —————→ 2 ☐ No		
4. Dock on deep sea water	1 ☐ Yes —————→ 2 ☐ No		
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —————→ 2 ☐ No		
6. Pipeline terminal	1 ☐ Yes —————→ 2 ☐ No		

1 – Trailer on Flat Car (TOFC)
2 – Private Truck

3 – For-Hire Truck
4 – Rail

5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

During 1997, did this location use any of the following types of equipment for outbound shipments? Please check "Yes" or "No." For rail cars reported in number 1 below, enter the approximate percentage of your total outbound rail shipments that used that type of rail car. These percentages should add to 100%. If you had no rail shipments, leave the percentages blank.

Equipment (a)	Was this type of equipment used for outbound shipments during 1993? (b)	Percentage of total rail shipments (c)
1. Rail cars that:	1 ☐ Yes → 2 ☐ No	
a. Your company owned/leased		
b. A common carrier owned/leased	1 ☐ Yes → 2 ☐ No	
c. Another party owned/leased (e.g. receiver)	1 ☐ Yes → 2 ☐ No	
2. Trucks with 6 or more tires or truck-tractors that:	1 ☐ Yes 2 ☐ No	
a. Your company owned		
b. Your company leased, with driver	1 ☐ Yes 2 ☐ No	
c. Your company leased, without driver	1 ☐ Yes 2 ☐ No	
3. Truck trailers that your company owned or leased	1 ☐ Yes 2 ☐ No	
4. Aircraft that your company owned or leased	1 ☐ Yes 2 ☐ No	
5. Barges that your company owned or leased	1 ☐ Yes 2 ☐ No	
6. Other equipment that your company owned or leased – <i>Specify</i> ↴	1 ☐ Yes 2 ☐ No	

Item L TRANSPORTATION DECISIONS

During 1997, who generally decided on the mode of transportation for your outbound shipments? *Check the appropriate box.*

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

Item M CERTIFICATIONName of person to contact regarding this report – *Please print*Telephone number – *Include area code*

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

You may use estimates if book figures are not readily available.

If you have questions about completing the survey, a Census Bureau representative will be glad to assist you. You can call us at 1-800-772-7851.

Some instructions are included on the questionnaire itself. However, due to space limitations, most of the instructions and definitions are included in separate reference materials. These include this instruction guide, and a listing of commodity codes to be used for classifying individual shipments in this survey.

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

The CFS produces valuable measures of the demands on the nation's transportation system.

The results of the CFS are used by transportation policy makers to analyze future transportation needs.

Who reports in the CFS?

The CFS covers a sample of establishments in the mining, manufacturing, wholesale, and selected retail industries.

Why is my participation important?

Your establishment was selected as part of a sample designed to represent a wide range of industries and geographic regions.

Your report helps ensure quality results.

Is this survey mandatory?

Yes. The CFS is mandatory under the authority of Title 13, United States Code (USC).

Will my data be kept confidential?

Yes. The same law that requires your participation, Title 13, USC, also guarantees your data will be kept strictly confidential.

The reports you provide the Census Bureau cannot be used for purposes of taxation, regulation, or investigation.

Your report is used only to develop summary data that do not reveal the activities of individual firms or establishments.

How often must I report?

You will be sent four questionnaires in all: one during each quarter of 1997.

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

Please enter the information requested on your establishment's name, operational status, and physical location.

Item D

Enter in the space provided your total number of outbound shipments **for the one week reporting period** on the front of the questionnaire.

Please include in this count any materials picked up by the customer ("customer pick-up").

What we mean by a "shipment":

For the purposes of this survey, a shipment is a single movement of goods, commodities, products, etc. from your location to a customer or to another location of your company.

"Commodities" refer to items that your location produces, sells, or distributes, *not* to items that are considered by-products of your location's operation.

What we don't mean by a "shipment":

Do *not* include as shipments items such as inter-office memos, payroll checks, business correspondence, etc.

Do *not* include as shipments items such as refuse, scrap paper, waste, and recyclable materials **unless** your location is in the business of selling or providing these materials to others.

A special note about "shipments":

A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location.

If a truck makes multiple deliveries on a route, **please count each stop as one shipment.**

Item E: Sampling Instructions

If you reported 40 or fewer shipments in Item D, complete Item F (Shipment Characteristics) for all of your shipments covered by the one-week reporting period.

If you reported more than 40 shipments in Item D, follow the instructions in Item E in order to select a sample of shipments on which to report in Item F.

By asking you to select a sample of your shipments for the one-week reporting period, we avoid asking you for information on all your shipments, while still obtaining statistically accurate information.

Reminder: The files you are sampling from should reflect the full range of your location's shipping activities in terms of modes of transportation used, commodities shipped, and destinations.

We're here to answer your questions! If you have questions about the sampling process (or any part of the questionnaire) please call us at 1-800-772-7851.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

- **Shipment ID Number (column b)** – Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date (column c)** – Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value (column d)** – Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, f.o.b. plant). If the value is not readily available from your records, please estimate.
- **Shipment Weight (column e)** – Enter the weight of the total shipment in whole pounds. If weight is not readily available from your records, please estimate.
- **Commodity Code (column f)** – Please use the list of Standard Classification of Transported Goods (SCTG) Codes in the enclosed SCTG Manual to select the proper code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight.
- **Commodity Description (column g)** – Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.

Item F SHIPMENT CHARACTERISTICS							
Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
		Month	Day				
0	123-5	4	26	4,235	140	3 6 1 2 0	Electrical transformers
00	123-6	4	26	125,300	626,500	1 7 1 0 0	Gasoline
1							
2							
3							
4							

Mode of transport codes for columns (k) and (n) ▶

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **For Hazardous Materials (column h)** – If shipment is a hazardous material, enter the 4-digit United Nations or North American number.
- **Containerized (column i)** – Indicate whether or not the shipment was containerized by entering "Y" or "N" (yes or no). Containerized means that the shipment **left your establishment** in an intermodal container or stackable tank without permanently attached wheels. These containers typically vary from 20 to 53 feet in length, and are carried on truck chassis, trains, and ships.
- **U.S. Destination: City, State, and ZIP Code (column j)** – For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver as it appears on the shipping document. Use the **"ship to"** address. Use the two letter state abbreviation shown in Part IV.

For **export shipments**, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, it is the border crossing.
- **Mode(s) of Transport (column k)** – Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in column j). Codes are located on the bottom of pages 2, 3, 4, and 5 of the questionnaire. Enter in the sequence used, all that apply. See Part III for definitions of each mode.

For Customer Pick-up: Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

If a hazardous material, enter the "UN" or "NA" number (h)	Containerized? (Y/N) (i)	U.S. destination (j)			Mode(s) of transport to U.S. destination Enter all that apply using codes shown below. (k)
		City	State	ZIP Code	
	N	Los Angeles	CA	90040	2, 4, 3
	N	New York	NY	10454	5

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **Export Shipment (column l)** – Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" or "N" (yes or no). For purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions are considered exports.
- **Foreign Destination: City and Country (column m)** – If the shipment is an export, enter the foreign city and country of destination. **For U.S. Destination (column j),** enter the U.S. port, airport, or border crossing of exit. **In column (k),** enter the mode of transport used to the U.S. destination.
- **Export Mode (column n)** – If the shipment is an export, enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 2, 3, 4, and 5 of the questionnaire.

Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	Country		
N				0
Y	London	England	6	00
				1
				2
				3
				4
				5

Items G – I

Please enter the information requested.

Item J: Certification

Please enter the name and telephone number of the person to contact in the event that we have a question about your report.

PART III – MODE DEFINITIONS

Parcel delivery/Courier/U.S. Postal Service – Delivery services that carry letters, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.

Private truck – Trucks operated by a temporary or permanent employee of this establishment or the buyer/receiver of the shipment.

For-hire truck – Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.

Railroad – Any common carrier or private railroad.

Shallow draft vessel – Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.

Deep draft vessel – Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.

Air – Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.

Other mode – Any mode not listed above.

Unknown – The shipment was not carried by a parcel delivery/courier/U.S. Postal service, and you cannot determine what mode of transportation is used.

Note: Commodities that are "shipped" under their own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Commodities shipped under their own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other" mode.**

PART IV -- STATE ABBREVIATION LIST

State	Abbrev.	State	Abbrev.
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

NOTICE - We estimate that it will take an average of 2 hours to complete this form. This includes time to read instructions, assemble and review information, and record answers on the form. If you have any comments regarding this estimate or any other aspect of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0189, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-0001. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

East North Central Division

1997

Issued April 2000

EC97TCF-DIV(3)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

This report was prepared in the Service Sector Statistics Division under the direction of **Thomas E. Zabelsky**, Assistant Chief for Current Service and Transportation Programs. Planning, implementation, and compiling of this report were under the supervision of **John L. Fowler**, Chief, Commodity Flow Survey Branch, assisted by **Wanda Dougherty, Debra Corbett, Bruce Dembroski, Shirley Gray, Michael Jones, Stephanie Kelley, Mabel Ocasio, Bonnie Opalko, Joyce Price, Barbara Selinske, Eli Serrano,** and **Michael Sprung**. Sample design and statistical methodology were developed under the general direction of **Howard Hogan** and **Carl A. Konschnik**, former Assistant Chiefs, and **Ruth E. Detlefsen**, current Assistant Chief, Research and Methodology. Sample design and estimation were under the supervision of **Patrick Cantwell**, former Chief, and **Jock Black**, current Chief, Program Research and Development Branch, assisted by **William C. Davie Jr., David L. Kinyon, Jacklyn R. Jonas,** and **M. Cristina Cruz**. Frame construction, sample control, imputation, and quality control procedures were developed under the supervision of **Carol King**, Chief, Statistical Methods Branch, assisted by **James Hunt**.

The processing system and computer programs were developed and implemented by the OAO programming group, led by **Jacques Wilmore** and assisted by **Harold N. Bobbitt** and **Robert J. Jeffrey**. **Steve G. McCraith**, Chief, Quinquennial Surveys Branch, Economic Statistical Methods and Programming Division and **Joseph F. Keehan** provided general support.

Coordination of data collection efforts was under the direction of **Judith N. Petty**, Chief, National Processing Center, assisted by **Matthew Aulbach, Linda Broadus, Grant Goodwin, Carlene Bottorff, Teresa Branstetter,** and **Jack Miller**.

The staff of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, performed planning, design, composition, editorial review, and printing planning and procurement for the publications, Internet products, and report forms. **Margaret A. Smith** provided publication coordination and editing.

We also acknowledge the contributions of the following Department of Transportation (DOT) representatives in the overall planning and design of the survey: **Rolf Schmitt**, Associate Director for Transportation Studies, Bureau of Transportation Statistics, assisted by **Susan Lapham, Russ Capelle, Ronald J. Duych,** and **Felix Ammah-Tagoe**.

The Oak Ridge National Laboratory's Center for Transportation Analysis, under the former and current direction of **Mike Bronzini** and **David Greene**, respectively, provided all mileage data for this report, using its transportation network modeling system, under the supervision of **Frank Southworth** and assisted by **Shih-Miao Chin, Bruce Peterson, Jane Rollow,** and **Angela Gibson**.

Special acknowledgment is also due to the many businesses whose cooperation was essential to the publication of these data.

1997 Economic Census
Transportation
1997 Commodity Flow Survey



**U.S. Department of
Transportation**
Rodney E. Slater,
Secretary
Mortimer L. Downey,
Deputy Secretary

**BUREAU OF TRANSPORTATION
STATISTICS**
Dr. Ashish Sen,
Director
Rick Kowalewski,
Deputy Director
Rolf R. Schmitt,
Associate Director for
Transportation Studies



U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

**Economics
and Statistics
Administration**
Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



**BUREAU OF TRANSPORTATION
STATISTICS**

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

CONTENTS

Introduction to the Economic Census	1
1997 Commodity Flow Survey	3

TABLES

1a. Shipment Characteristics by Mode of Transportation for the Division: 1997	9
1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993	9
1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993	10
2. Shipment Characteristics by Total Modal Activity for the Division: 1997	10
3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997	11
4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997	14
5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997	17
6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997	18
7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997	21
8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997	36
9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997	42
10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997 ...	48

APPENDIXES

A. Comparability With the 1993 Commodity Flow Survey	A-1
B. Reliability of the Estimates	B-1
C. Sample Design, Data Collection, and Estimation	C-1
D. Standard Classification of Transported Goods Code Information	D-1
E. Sample Report Forms and Instructions	E-1

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are

published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

1997 Commodity Flow Survey

GENERAL

The 1997 Commodity Flow Survey (CFS) is undertaken through a partnership between the Bureau of the Census, U.S. Department of Commerce, and the Bureau of Transportation Statistics, U.S. Department of Transportation. This survey produces data on the movement of goods in the United States. It provides information on commodities shipped, their value, weight, and mode of transportation, as well as the origin and destination of shipments of manufacturing, mining, wholesale, and selected retail establishments. The CFS was last conducted in 1993. See the Comparability With the 1993 Commodity Flow Survey table (Appendix A) for a comparison between the 1997 and 1993 surveys. The data from the CFS are used by public policy analysts and for transportation planning and decision-making to assess the demand for transportation facilities and services, energy use, and safety risk and environmental concerns.

This report presents data for the four Census Regions and nine Census Divisions. Additional reports include data for the United States, states, and selected metropolitan areas, as well as selected data on exports and hazardous material shipments.

INDUSTRY COVERAGE

The 1997 CFS covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey coverage excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail.

The industries covered, as defined in the 1987 Standard Industrial Classification Manual (SIC), are listed in the following table:

SIC code	Title
10, ex. 108	Metal mining (excluding metal mining services)
12, ex. 124	Coal mining (excluding coal mining services)
13	Oil and gas extraction ¹
14, ex. 148	Mining and quarrying of nonmetallic minerals, except fuels (excluding nonmetallic minerals services)
20	Food and kindred products
21	Tobacco products
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27, ex. 279	Printing, publishing, and allied industries (excluding service industries for the printing trade)
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastics products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, except machinery and transportation equipment
35	Industrial and commercial machinery and computer equipment
36	Electronic and other electrical equipment and components, except computer equipment
37	Transportation equipment
38	Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39	Miscellaneous manufacturing industries
50	Wholesale trade—durable goods
51	Wholesale trade—nondurable goods
596	Catalog and mail-order houses

¹We included establishments classified in SIC 13, Oil and Gas Extraction, in the initial coverage of the 1997 CFS. However, because of unresolved industry-wide reporting issues, we have removed shipments from these establishments from our 1997 CFS tabulations. The data collected from these establishments will be used as input to a special report at a later date.

Similarly, because establishments in SIC 13 are responsible for the overwhelming number of shipments classified in SCTG 16, Crude Petroleum, we have removed all shipments with SCTG 16 from the 1997 CFS publication results.

SHIPMENT COVERAGE

The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. The data do not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Shipments traversing the U.S. from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to a U.S. location. Imported products are included in the CFS at the point that they left the importer's domestic location for shipment to another location. Shipments that are shipped through a foreign territory with both the origin and destination in the U.S. are included in the CFS data. The mileages calculated for these shipments exclude the international segments (e.g., shipments from New York to Michigan through Canada do not include any mileages for Canada). Export shipments are included, with the domestic destination defined as the port of exit from the U.S.

The "Industry Coverage" section of the text lists the SIC groups covered by the CFS. Other industry areas that are not covered, but may have significant shipping activity, include agriculture, government, and retail (other than warehouses and SIC 5961, Catalog and Mail-Order Houses). For agriculture specifically, this means that the CFS did not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward.

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported

multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

The ORNL multimodal network database is composed of individual modal-specific networks representing each of the major transportation modes—highway, rail, waterway, air, and pipeline. The links of these specific modal networks are the representation of line-haul transportation facilities. The nodes represent intersections and interchanges, and the access points to the transportation network. To simulate local access, test links are created from each five-digit ZIP Code centroid to nearby nodes on the network. For the truck network, local access is assumed to exist everywhere. For the other modes this is not true. Before any test links are created for these modes, a search procedure is used to determine if and where such networks are most likely to provide access to the ZIP Code. For shipments involving more than one mode, such as truck-rail or rail-water shipments, intermodal transfer links are added to the network database for the purpose of connecting the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at ORNL to identify likely transfer points for different classes of freight. A measure of link impedance was calculated for each access, line-haul, and intermodal transfer link traversed by a shipment. These impedances were mode specific and are based on various link characteristics. For example, the set of link characteristics for the highway network included speed impacting factors, such as the presence of divided or undivided roadway, the degree of access control, rural or urban setting, type of pavement, number of lanes, degree of urban congestion, and length of the link. Link impedance measures are also assigned to the local access links. Intermodal transfer link impedances are estimated in terms of the time it takes to move goods through such a transfer. In the case of rail and air freight, intercarrier transfer penalties are also considered in order to obtain proper route selections. A minimum path algorithm is used to find the minimum impedance path between a shipment's origin ZIP Code centroid and destination ZIP Code centroid. The cumulative length of the local access plus line-haul links on this path provides the estimated shipment distance. When rail was involved these shipment distances may be averaged over more than one path between an origin-destination pair.

Mileage Data for Pipeline Shipments

In the tables, we do not show ton-miles or average miles per shipment for pipeline shipments. For most of these shipments, the respondents reported the shipment

destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network, and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment.

DISCLOSURE RULES

In accordance with Federal law governing Census Bureau reports, no data are published that would disclose the operations of an individual firm or establishment.

EXPLANATION OF TERMS

Average miles per shipment. For the 1993 CFS, we excluded shipments of STCC 27, Printed Matter, from our calculation of average miles per shipment. We made this decision after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term “shipment.”

For the 1997 CFS, we made numerous efforts throughout our data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, we have included printed products in the average miles per shipment calculations for the 1997 CFS.

Commodity. Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment’s operation. Respondents reported the description and the five-digit SCTG code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.

Distance shipped. In some tables, shipment data are presented for various “distance shipped” intervals. Shipments were categorized into these “distance shipped” intervals based on the great circle distance between their origin and destination ZIP Code centroids. All other distance-related data in this and other tables (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories. (See the “Mileage Calculations” section for more details.)

Great circle distance. The shortest distance between two points on the earth’s surface.

Mode of transportation. The type of transportation used for moving the shipment to its domestic destination. For exports, the domestic destination was the port of exit.

Mode Definitions

In the instructions to the respondent, we defined the possible modes as follows:

1. **Parcel delivery/courier/U.S. Postal Service.** Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
2. **Private truck.** Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
3. **For-hire truck.** Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
4. **Railroad.** Any common carrier or private railroad.
5. **Shallow draft vessels.** Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
6. **Deep draft vessel.** Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.
7. **Pipeline.** Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper’s establishment. Aqueducts for the movement of water are not included.
8. **Air.** Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.
9. **Other mode.** Any mode not listed above.
10. **Unknown.** The shipment was not carried by a parcel delivery/courier/U.S. Postal Service, and the respondent could not determine what mode of transportation was used.

In the tables, we have used additional terms for mode, which we define as follows:

1. **Air (includes truck and air).** Shipments that used air or a combination of truck and air.
2. **Single modes.** Shipments using only one of the above-listed modes, except parcel or other and unknown.
3. **Multiple modes.** Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used:
 - Private truck
 - For-hire truck
 - Rail
 - Shallow draft vessel
 - Deep draft vessel
 - Pipeline

We did not allow for multiple modes in combination with “parcel, U.S. Postal Service or courier,” “unknown,” or “other.” By their nature, these shipments may already include various kinds of multiple-mode activity. For example, if the respondent reported a shipment’s mode of transportation as parcel and air, we treated the shipment as parcel only.

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.
5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as “Other” or “Unknown.”
6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.
7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as “Other multiple modes.”
8. **Great Lakes.** In the tables in this publication, “Great Lakes” appears as a single mode. ORNL’s transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the “Mileage Calculations” section for more details).

Other Definitions and Terms

Shipment. A shipment (or delivery) is an individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.

Standard Classification of Transported Goods

(SCTG). The commodities shown in this report are classified using the SCTG coding system. The SCTG coding system was developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States

exclude any mileages through Canada (see the “Mileage Calculations” section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

Tons shipped. The total weight of the entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.

Total modal activity. The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)

Value of shipments. The dollar value of the entire shipment. This was defined as the net selling value, f.o.b. plant, exclusive of freight charges and excise taxes. The value data are displayed in millions of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables for this publication:

D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey.
lb	Pounds.
n.e.c.	Not elsewhere classified.
NA	Not applicable.
n.o.s.	Not otherwise specified.

OTHER TRANSPORTATION DATA

Users of transportation data may be especially interested in the following reports:

Economic Census: Transportation Sector covers establishments that provide passenger and freight transportation to the general public, government, or other businesses.

Published data include kind of business, geographic location, total operating revenue, annual and first quarter payroll, and number of employees for pay period including March 12.

Vehicle Inventory and Use Survey covers state and U.S. level statistics on the physical and operational characteristics of the Nation's truck, van, minivan, and sport utility vehicle population. Some of the types of data collected include number of vehicles, major use, body type, annual miles, model year, vehicle size, fuel type, operator classification, engine size, range of operation, weeks operated, products carried, and hazardous materials carried. This survey shows comparative statistics reflecting percent changes in number of vehicles between 1997 and 1992 for most characteristics.

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected

include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

All results of the 1997 Economic Census are available on the Census Bureau Internet site <http://www.census.gov> and on compact discs (CD-ROM).

For more information on any Census Bureau product, including a description of electronic and printed reports being issued, see the website or call Customer Services at 301-457-4100.

Table 1a. Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	1 462 475	100.0	2 140 708	100.0	423 366	100.0	425
Single modes	1 223 540	83.7	2 034 227	95.0	380 594	89.9	179
Truck ¹	1 091 456	74.6	1 626 086	76.0	210 073	49.6	143
For-hire truck	727 266	49.7	852 605	39.8	161 439	38.1	387
Private truck	356 016	24.3	755 394	35.3	46 545	11.0	48
Rail	89 250	6.1	232 090	10.8	103 035	24.3	649
Water	9 303	.6	98 090	4.6	61 410	14.5	S
Shallow draft	7 992	.5	63 262	3.0	50 200	11.9	S
Great Lakes	1 309	—	34 826	1.6	11 200	2.6	328
Deep draft	S	S	S	S	S	S	4 897
Air (includes truck and air)	17 627	1.2	801	—	744	.2	1 154
Pipeline ²	15 905	1.1	77 161	3.6	S	S	S
Multiple modes	177 775	12.2	49 563	2.3	32 063	7.6	659
Parcel, U.S. Postal Service or courier	141 285	9.7	5 071	.2	3 058	.7	657
Truck and rail	34 422	2.4	12 749	.6	12 900	3.0	1 392
Truck and water	297	—	8 108	.4	4 439	1.0	3 794
Rail and water	358	—	12 504	.6	7 829	1.8	1 168
Other multiple modes	1 413	.1	11 131	.5	3 837	.9	S
Other and unknown modes	61 160	4.2	56 918	2.7	10 709	2.5	102

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	1 462 475	1 250 316	17.0	2 140 708	1 770 453	20.9	423 366	375 737	12.7	425	395	7.5
Single modes	1 223 540	1 066 330	14.7	2 034 227	1 662 652	22.3	380 594	334 996	13.6	179	173	3.4
Truck ¹	1 091 456	965 817	13.0	1 626 086	1 286 183	26.4	210 073	181 330	15.9	143	139	3.5
For-hire truck	727 266	634 381	14.6	852 605	609 283	39.9	161 439	141 030	14.5	387	394	−1.6
Private truck	356 016	327 925	8.6	755 394	672 083	12.4	46 545	39 170	18.8	48	50	−4.2
Rail	89 250	63 226	41.2	232 090	221 196	4.9	103 035	102 035	1.0	649	638	1.7
Water	9 303	6 772	37.4	98 090	80 940	21.2	61 410	45 677	34.4	S	533	S
Shallow draft	7 992	5 736	39.3	63 262	52 349	20.8	50 200	36 615	37.1	S	491	S
Great Lakes	1 309	S	S	34 826	28 394	22.7	11 200	8 640	29.6	328	530	−38.0
Deep draft	S	S	S	S	S	S	S	S	S	4 897	3 810	28.5
Air (includes truck and air)	17 627	17 586	.2	801	691	15.9	744	630	18.2	1 154	1 160	−.5
Pipeline ²	15 905	12 929	23.0	77 161	73 642	4.8	S	S	S	S	S	S
Multiple modes	177 775	142 161	25.1	49 563	50 728	−2.3	32 063	32 943	−2.7	659	637	3.4
Parcel, U.S. Postal Service or courier	141 285	106 604	32.5	5 071	4 050	25.2	3 058	2 384	28.2	657	635	3.6
Truck and rail	34 422	32 289	6.6	12 749	7 170	77.8	12 900	8 458	52.5	1 392	1 272	9.5
Truck and water	297	S	S	8 108	S	S	4 439	S	S	3 794	2 934	29.3
Rail and water	358	479	−25.3	12 504	12 736	−1.8	7 829	7 856	−.3	1 168	512	127.9
Other multiple modes	1 413	S	S	11 131	7 617	46.1	3 837	3 323	15.5	S	1 567	S
Other and unknown modes ...	61 160	41 825	46.2	56 918	57 072	−3	10 709	7 798	37.3	102	232	−56.1

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	83.7	85.3	95.0	93.9	89.9	89.2
Truck ¹	74.6	77.2	76.0	72.6	49.6	48.3
For-hire truck	49.7	50.7	39.8	34.4	38.1	37.5
Private truck	24.3	26.2	35.3	38.0	11.0	10.4
Rail	6.1	5.1	10.8	12.5	24.3	27.2
Water	.6	.5	4.6	4.6	14.5	12.2
Shallow draft	.5	—	3.0	3.0	11.9	9.7
Great Lakes	—	—	1.6	1.6	2.6	2.3
Deep draft	S	S	S	S	S	S
Air (includes truck and air)	1.2	1.4	—	—	.2	.2
Pipeline ²	1.1	1.0	3.6	4.2	S	S
Multiple modes	12.2	11.4	2.3	2.9	7.6	8.8
Parcel, U.S. Postal Service or courier	9.7	8.5	.2	.2	.7	.6
Truck and rail	2.4	2.6	.6	.4	3.0	2.3
Truck and water	—	S	.4	S	1.0	S
Rail and water	—	—	.6	.7	1.8	2.1
Other multiple modes	.1	S	.5	.4	.9	.9
Other and unknown modes	4.2	3.3	2.7	3.2	2.5	2.1

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 2. Shipment Characteristics by Total Modal Activity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	423 366	100.0	419
Truck	211 489	50.0	141
Rail	117 832	27.8	878
Shallow draft	57 143	13.5	S
Great Lakes	16 437	3.9	239
Deep draft	S	S	6 006
Air	682	.2	1 075
Parcel, U.S. Postal Service or courier	3 058	.7	657
Pipeline	S	S	S
Other and unknown modes	10 720	2.5	102

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹Data represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving by truck only plus ton-miles for truck segments only of multiple mode shipments.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	1 462 475	100.0	2 140 708	100.0	423 366	100.0
Less than 50 miles	419 619	28.7	1 276 818	59.6	28 834	6.8
50 to 99 miles	130 965	9.0	203 961	9.5	18 878	4.5
100 to 249 miles	261 600	17.9	273 376	12.8	58 000	13.7
250 to 499 miles	249 747	17.1	185 370	8.7	90 223	21.3
500 to 749 miles	173 243	11.8	110 327	5.2	95 730	22.6
750 to 999 miles	86 859	5.9	52 161	2.4	59 144	14.0
1,000 to 1,499 miles	63 495	4.3	18 294	.9	26 424	6.2
1,500 to 1,999 miles	67 482	4.6	17 972	.8	39 727	9.4
2,000 miles or more	9 466	.6	2 431	.1	6 407	1.5
Single modes	1 223 540	100.0	2 034 227	100.0	380 594	100.0
Less than 50 miles	368 096	30.1	1 234 356	60.7	27 898	7.3
50 to 99 miles	117 771	9.6	197 875	9.7	18 194	4.8
100 to 249 miles	231 652	18.9	251 884	12.4	52 547	13.8
250 to 499 miles	209 706	17.1	168 852	8.3	81 159	21.3
500 to 749 miles	135 823	11.1	101 696	5.0	88 617	23.3
750 to 999 miles	64 886	5.3	47 435	2.3	53 282	14.0
1,000 to 1,499 miles	44 702	3.7	15 908	.8	22 907	6.0
1,500 to 1,999 miles	45 117	3.7	14 575	.7	31 826	8.4
2,000 miles or more	5 785	.5	1 646	—	4 164	1.1
Truck¹	1 091 456	100.0	1 626 086	100.0	210 073	100.0
Less than 50 miles	348 369	31.9	1 103 891	67.9	24 907	11.9
50 to 99 miles	111 357	10.2	169 387	10.4	15 014	7.1
100 to 249 miles	210 496	19.3	170 351	10.5	34 066	16.2
250 to 499 miles	184 415	16.9	94 408	5.8	41 307	19.7
500 to 749 miles	110 042	10.1	44 531	2.7	32 677	15.6
750 to 999 miles	53 309	4.9	20 759	1.3	21 014	10.0
1,000 to 1,499 miles	34 804	3.2	10 619	.7	15 069	7.2
1,500 to 1,999 miles	34 642	3.2	10 976	.7	23 205	11.0
2,000 miles or more	4 022	.4	1 164	—	2 812	1.3
For-hire truck	727 266	100.0	852 605	100.0	161 439	100.0
Less than 50 miles	135 938	18.7	479 428	56.2	11 476	7.1
50 to 99 miles	63 176	8.7	99 066	11.6	8 824	5.5
100 to 249 miles	159 043	21.9	118 340	13.9	24 325	15.1
250 to 499 miles	159 232	21.9	80 807	9.5	35 454	22.0
500 to 749 miles	95 475	13.1	38 068	4.5	27 952	17.3
750 to 999 miles	47 188	6.5	16 562	1.9	16 896	10.5
1,000 to 1,499 miles	31 856	4.4	9 751	1.1	13 827	8.6
1,500 to 1,999 miles	31 616	4.3	9 548	1.1	20 188	12.5
2,000 miles or more	3 742	.5	1 036	.1	2 496	1.5
Private truck	356 016	100.0	755 394	100.0	46 545	100.0
Less than 50 miles	210 437	59.1	611 749	81.0	13 122	28.2
50 to 99 miles	47 374	13.3	68 114	9.0	5 993	12.9
100 to 249 miles	49 341	13.9	50 523	6.7	9 453	20.3
250 to 499 miles	23 942	6.7	12 835	1.7	5 530	11.9
500 to 749 miles	13 508	3.8	5 982	.8	4 357	9.4
750 to 999 miles	5 622	1.6	3 944	.5	3 863	8.3
1,000 to 1,499 miles	2 827	.8	816	.1	1 169	2.5
1,500 to 1,999 miles	2 710	.8	1 335	.2	2 821	6.1
2,000 miles or more	256	—	96	—	237	.5
Rail	89 250	100.0	232 090	100.0	103 035	100.0
Less than 50 miles	8 374	9.4	67 763	29.2	2 264	2.2
50 to 99 miles	2 882	3.2	20 663	8.9	2 448	2.4
100 to 249 miles	13 495	15.1	39 755	17.1	10 178	9.9
250 to 499 miles	20 693	23.2	49 983	21.5	28 029	27.2
500 to 749 miles	18 716	21.0	32 339	13.9	28 701	27.9
750 to 999 miles	7 992	9.0	12 566	5.4	14 182	13.8
1,000 to 1,499 miles	7 978	8.9	5 035	2.2	7 531	7.3
1,500 to 1,999 miles	7 917	8.9	3 533	1.5	8 479	8.2
2,000 miles or more	1 204	1.3	451	.2	1 223	1.2
Water	9 303	100.0	98 090	100.0	61 410	100.0
Less than 50 miles	1 708	18.4	12 937	13.2	227	.4
50 to 99 miles	218	2.3	2 654	2.7	308	.5
100 to 249 miles	696	7.5	22 779	23.2	5 182	8.4
250 to 499 miles	895	9.6	20 972	21.4	10 557	17.2
500 to 749 miles	3 976	42.7	24 722	25.2	27 137	44.2
750 to 999 miles	1 809	19.4	14 024	14.3	17 987	29.3
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Shallow draft	7 992	100.0	63 262	100.0	50 200	100.0
Less than 50 miles	1 149	14.4	9 842	15.6	217	.4
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	492	6.2	S	S	2 262	4.5
250 to 499 miles	701	8.8	5 464	8.6	3 802	7.6
500 to 749 miles	3 778	47.3	23 393	37.0	25 808	51.4
750 to 999 miles	1 809	22.6	14 024	22.2	17 987	35.8
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	1 309	100.0	34 826	100.0	11 200	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	156	11.9	1 457	4.2	184	1.6
100 to 249 miles	203	15.5	13 436	38.6	2 920	26.1
250 to 499 miles	194	14.8	15 509	44.5	6 755	60.3
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	17 627	100.0	801	100.0	744	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	1 707	9.7	51	6.4	9	1.2
100 to 249 miles	3 276	18.6	231	28.8	61	8.2
250 to 499 miles	2 877	16.3	164	20.4	113	15.2
500 to 749 miles	3 089	17.5	103	12.9	100	13.5
750 to 999 miles	1 777	10.1	86	10.7	99	13.3
1,000 to 1,499 miles	1 784	10.1	70	8.8	102	13.7
1,500 to 1,999 miles	2 559	14.5	66	8.3	142	19.1
2,000 miles or more	558	3.2	30	3.7	118	15.9
Pipeline²	15 905	100.0	77 161	100.0	S	S
Less than 50 miles	9 646	60.7	49 765	64.5	S	S
50 to 99 miles	1 607	10.1	5 120	6.6	S	S
100 to 249 miles	3 690	23.2	18 767	24.3	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	177 775	100.0	49 563	100.0	32 063	100.0
Less than 50 miles	22 173	12.5	4 550	9.2	318	1.0
50 to 99 miles	9 350	5.3	S	S	479	1.5
100 to 249 miles	25 111	14.1	14 062	28.4	4 218	13.2
250 to 499 miles	33 510	18.8	13 205	26.6	7 620	23.8
500 to 749 miles	32 156	18.1	6 299	12.7	5 436	17.0
750 to 999 miles	18 564	10.4	3 156	6.4	4 218	13.2
1,000 to 1,499 miles	14 430	8.1	1 296	2.6	1 981	6.2
1,500 to 1,999 miles	19 124	10.8	2 652	5.4	6 358	19.8
2,000 miles or more	3 357	1.9	500	1.0	1 436	4.5
Parcel, U.S. Postal Service or courier	141 285	100.0	5 071	100.0	3 058	100.0
Less than 50 miles	20 868	14.8	866	17.1	21	.7
50 to 99 miles	8 761	6.2	329	6.5	31	1.0
100 to 249 miles	22 882	16.2	864	17.0	188	6.1
250 to 499 miles	27 562	19.5	1 031	20.3	465	15.2
500 to 749 miles	24 051	17.0	845	16.7	634	20.7
750 to 999 miles	15 012	10.6	480	9.5	488	16.0
1,000 to 1,499 miles	8 769	6.2	258	5.1	365	11.9
1,500 to 1,999 miles	11 366	8.0	338	6.7	716	23.4
2,000 miles or more	2 014	1.4	60	1.2	150	4.9
Truck and rail	34 422	100.0	12 749	100.0	12 900	100.0
Less than 50 miles	796	2.3	S	S	S	S
50 to 99 miles	526	1.5	S	S	S	S
100 to 249 miles	1 551	4.5	S	S	S	S
250 to 499 miles	5 716	16.6	1 208	9.5	714	5.5
500 to 749 miles	7 900	22.9	1 826	14.3	1 661	12.9
750 to 999 miles	3 295	9.6	1 297	10.2	1 543	12.0
1,000 to 1,499 miles	5 643	16.4	1 005	7.9	1 551	12.0
1,500 to 1,999 miles	7 757	22.5	2 314	18.2	5 641	43.7
2,000 miles or more	1 240	3.6	415	3.3	1 124	8.7
Truck and water	297	100.0	8 108	100.0	4 439	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	1 081	13.3	S	S
250 to 499 miles	S	S	5 729	70.7	3 260	73.4
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	75	25.3	15	.2	112	2.5

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	358	100.0	12 504	100.0	7 829	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	91	25.4	4 070	32.5	1 136	14.5
250 to 499 miles	S	S	4 525	36.2	2 854	36.4
500 to 749 miles	90	25.2	3 075	24.6	2 539	32.4
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	1 413	100.0	11 131	100.0	3 837	100.0
Less than 50 miles	504	35.6	2 383	21.4	S	S
50 to 99 miles	52	3.7	S	S	S	S
100 to 249 miles	S	S	6 736	60.5	2 188	57.0
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	61 160	100.0	56 918	100.0	10 709	100.0
Less than 50 miles	29 349	48.0	37 912	66.6	619	5.8
50 to 99 miles	3 844	6.3	2 244	3.9	205	1.9
100 to 249 miles	4 837	7.9	S	S	1 234	11.5
250 to 499 miles	6 531	10.7	3 312	5.8	1 444	13.5
500 to 749 miles	5 264	8.6	2 332	4.1	1 677	15.7
750 to 999 miles	3 408	5.6	1 570	2.8	1 644	15.4
1,000 to 1,499 miles	S	S	1 090	1.9	1 537	14.3
1,500 to 1,999 miles	3 241	5.3	744	1.3	1 543	14.4
2,000 miles or more	324	.5	284	.5	806	7.5

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	1 462 475	100.0	2 140 708	100.0	423 366	100.0	425
Less than 50 lb	129 496	8.9	4 223	.2	1 744	.4	502
50 to 99 lb	40 650	2.8	2 605	.1	773	.2	293
100 to 499 lb	124 509	8.5	15 279	.7	3 726	.9	247
500 to 749 lb	41 765	2.9	7 568	.4	2 011	.5	264
750 to 999 lb	29 162	2.0	6 122	.3	1 303	.3	213
1,000 to 9,999 lb	346 918	23.7	133 894	6.3	30 572	7.2	232
10,000 to 49,999 lb	561 573	38.4	882 026	41.2	156 114	36.9	183
50,000 to 99,999 lb	98 306	6.7	402 172	18.8	31 969	7.6	78
100,000 lb or more	90 096	6.2	686 819	32.1	195 155	46.1	234
Single modes	1 223 540	100.0	2 034 227	100.0	380 594	100.0	179
Less than 50 lb	34 905	2.9	1 807	—	253	—	163
50 to 99 lb	18 861	1.5	1 594	—	238	—	143
100 to 499 lb	93 796	7.7	13 081	.6	2 729	.7	197
500 to 749 lb	38 248	3.1	7 128	.4	1 868	.5	260
750 to 999 lb	26 798	2.2	5 779	.3	1 215	.3	210
1,000 to 9,999 lb	309 496	25.3	126 198	6.2	27 574	7.2	223
10,000 to 49,999 lb	530 154	43.3	862 077	42.4	143 393	37.7	172
50,000 to 99,999 lb	86 751	7.1	393 504	19.3	29 562	7.8	74
100,000 lb or more	84 531	6.9	623 059	30.6	173 763	45.7	228
Truck¹	1 091 456	100.0	1 626 086	100.0	210 073	100.0	143
Less than 50 lb	28 346	2.6	1 735	.1	169	—	90
50 to 99 lb	17 063	1.6	1 566	.1	208	.1	128
100 to 499 lb	89 211	8.2	12 960	.8	2 614	1.2	189
500 to 749 lb	37 442	3.4	7 090	.4	1 835	.9	257
750 to 999 lb	26 183	2.4	5 762	.4	1 200	.6	208
1,000 to 9,999 lb	298 560	27.4	124 933	7.7	26 446	12.6	217
10,000 to 49,999 lb	510 192	46.7	855 234	52.6	137 085	65.3	166
50,000 to 99,999 lb	67 762	6.2	385 971	23.7	24 569	11.7	64
100,000 lb or more	16 697	1.5	230 837	14.2	15 947	7.6	58
For-hire truck	727 266	100.0	852 605	100.0	161 439	100.0	387
Less than 50 lb	7 792	1.1	359	—	115	—	306
50 to 99 lb	6 841	.9	320	—	152	—	457
100 to 499 lb	50 607	7.0	3 902	.5	2 104	1.3	535
500 to 749 lb	23 548	3.2	2 503	.3	1 539	1.0	613
750 to 999 lb	16 553	2.3	1 903	.2	952	.6	501
1,000 to 9,999 lb	196 125	27.0	49 751	5.8	20 799	12.9	458
10,000 to 49,999 lb	375 218	51.6	438 148	51.4	109 233	67.7	271
50,000 to 99,999 lb	39 412	5.4	210 632	24.7	16 169	10.0	76
100,000 lb or more	11 170	1.5	S	S	10 376	6.4	63
Private truck	356 016	100.0	755 394	100.0	46 545	100.0	48
Less than 50 lb	20 361	5.7	1 369	.2	49	.1	38
50 to 99 lb	9 913	2.8	1 236	.2	53	.1	42
100 to 499 lb	38 259	10.7	9 020	1.2	501	1.1	53
500 to 749 lb	13 754	3.9	4 555	.6	290	.6	63
750 to 999 lb	9 523	2.7	3 813	.5	242	.5	63
1,000 to 9,999 lb	100 692	28.3	74 368	9.8	5 427	11.7	71
10,000 to 49,999 lb	130 420	36.6	410 116	54.3	26 550	57.0	64
50,000 to 99,999 lb	27 734	7.8	169 792	22.5	8 062	17.3	49
100,000 lb or more	5 361	1.5	81 125	10.7	5 372	11.5	48
Rail	89 250	100.0	232 090	100.0	103 035	100.0	649
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	—	—	S
100 to 499 lb	118	.1	17	—	4	—	S
500 to 749 lb	32	—	10	—	2	—	S
750 to 999 lb	27	—	4	—	2	—	526
1,000 to 9,999 lb	8 552	9.6	815	.4	893	.9	1 079
10,000 to 49,999 lb	18 496	20.7	5 884	2.5	6 000	5.8	1 049
50,000 to 99,999 lb	18 829	21.1	7 302	3.1	4 803	4.7	661
100,000 lb or more	43 120	48.3	218 055	94.0	91 331	88.6	549
Water	9 303	100.0	98 090	100.0	61 410	100.0	S
Less than 50 lb	S	S	S	S	S	S	10 468
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	1 238
750 to 999 lb	S	S	S	S	S	S	5
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	4
100,000 lb or more	9 111	97.9	97 469	99.4	61 395	100.0	727
Shallow draft	7 992	100.0	63 262	100.0	50 200	100.0	S
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	1 479
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	7
50,000 to 99,999 lb	S	S	S	S	S	S	4
100,000 lb or more	7 802	97.6	62 645	99.0	50 195	100.0	752

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	1 309	100.0	34 826	100.0	11 200	100.0	328
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	707
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	33
10,000 to 49,999 lb	S	S	S	S	S	S	7
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	1 309	100.0	34 825	100.0	11 200	100.0	335
Deep draft	S	S	S	S	S	S	4 897
Less than 50 lb	S	S	S	S	S	S	10 468
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	5
1,000 to 9,999 lb	S	S	S	S	S	S	1
10,000 to 49,999 lb	S	S	S	S	S	S	8 390
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Air (includes truck and air)	17 627	100.0	801	100.0	744	100.0	1 154
Less than 50 lb	6 499	36.9	70	8.8	84	11.2	1 157
50 to 99 lb	1 782	10.1	27	3.3	30	4.0	1 115
100 to 499 lb	4 459	25.3	98	12.3	111	14.9	1 164
500 to 749 lb	772	4.4	28	3.5	30	4.0	1 049
750 to 999 lb	588	3.3	14	1.7	13	1.7	961
1,000 to 9,999 lb	2 265	12.8	182	22.8	200	26.8	1 140
10,000 to 49,999 lb	1 227	7.0	333	41.6	250	33.6	987
50,000 to 99,999 lb	S	S	23	2.9	S	S	862
100,000 lb or more	S	S	S	S	8	1.1	434
Pipeline²	15 905	100.0	77 161	100.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S
100,000 lb or more	15 600	98.1	76 674	99.4	S	S	S
Multiple modes	177 775	100.0	49 563	100.0	32 063	100.0	659
Less than 50 lb	89 538	50.4	2 215	4.5	1 475	4.6	662
50 to 99 lb	20 350	11.4	877	1.8	527	1.6	601
100 to 499 lb	27 437	15.4	1 583	3.2	924	2.9	591
500 to 749 lb	2 403	1.4	231	.5	116	.4	500
750 to 999 lb	1 675	.9	180	.4	67	.2	377
1,000 to 9,999 lb	15 766	8.9	1 874	3.8	1 817	5.7	1 052
10,000 to 49,999 lb	16 351	9.2	5 537	11.2	8 695	27.1	1 561
50,000 to 99,999 lb	S	S	912	1.8	689	2.1	723
100,000 lb or more	2 041	1.1	36 153	72.9	17 753	55.4	827
Parcel, U.S. Postal Service or courier	141 285	100.0	5 071	100.0	3 058	100.0	657
Less than 50 lb	89 505	63.4	2 214	43.7	1 474	48.2	662
50 to 99 lb	20 327	14.4	876	17.3	526	17.2	600
100 to 499 lb	27 289	19.3	1 568	30.9	893	29.2	582
500 to 749 lb	2 355	1.7	223	4.4	101	3.3	450
750 to 999 lb	1 545	1.1	174	3.4	58	1.9	341
1,000 to 9,999 lb	263	.2	15	.3	6	.2	360
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	34 422	100.0	12 749	100.0	12 900	100.0	1 392
Less than 50 lb	S	S	1	—	1	—	2 240
50 to 99 lb	22	—	1	—	2	—	1 625
100 to 499 lb	140	.4	13	.1	27	.2	2 123
500 to 749 lb	45	.1	S	S	S	S	1 848
750 to 999 lb	S	S	4	—	7	—	1 641
1,000 to 9,999 lb	14 929	43.4	1 500	11.8	1 724	13.4	1 159
10,000 to 49,999 lb	16 315	47.4	5 454	42.8	8 629	66.9	1 569
50,000 to 99,999 lb	S	S	641	5.0	511	4.0	740
100,000 lb or more	605	1.8	S	S	1 984	15.4	1 085
Truck and water	297	100.0	8 108	100.0	4 439	100.0	3 794
Less than 50 lb	S	S	S	S	S	S	1 195
50 to 99 lb	S	S	S	S	S	S	2 880
100 to 499 lb	S	1.5	1	—	3	—	5 792
500 to 749 lb	S	S	S	S	S	S	2 972
750 to 999 lb	S	S	—	—	S	S	5 365
1,000 to 9,999 lb	57	19.3	10	.1	S	S	7 738
10,000 to 49,999 lb	S	S	S	S	S	S	1 889
50,000 to 99,999 lb	S	S	S	S	S	S	163
100,000 lb or more	214	71.9	7 897	97.4	4 294	96.7	380

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	358	100.0	12 504	100.0	7 829	100.0	1 168
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	2 725
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	5 297
10,000 to 49,999 lb	S	S	S	S	S	S	5 656
50,000 to 99,999 lb	S	S	S	S	S	S	1 546
100,000 lb or more	354	98.8	12 407	99.2	7 679	98.1	792
Other multiple modes	1 413	100.0	11 131	100.0	3 837	100.0	S
Less than 50 lb	S	S	S	S	S	S	278
50 to 99 lb	S	S	S	S	S	S	572
100 to 499 lb	3	.2	S	S	S	S	188
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	2
1,000 to 9,999 lb	517	36.6	349	3.1	S	S	S
10,000 to 49,999 lb	20	1.4	S	S	S	S	556
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	10 724	96.3	3 796	98.9	480
Other and unknown modes	61 160	100.0	56 918	100.0	10 709	100.0	102
Less than 50 lb	5 054	8.3	201	.4	17	.2	87
50 to 99 lb	1 440	2.4	134	.2	8	—	59
100 to 499 lb	3 276	5.4	615	1.1	73	.7	124
500 to 749 lb	1 115	1.8	209	.4	27	.2	126
750 to 999 lb	689	1.1	163	.3	22	.2	128
1,000 to 9,999 lb	21 656	35.4	5 822	10.2	1 181	11.0	200
10,000 to 49,999 lb	15 068	24.6	14 411	25.3	4 025	37.6	290
50,000 to 99,999 lb	S	S	7 757	13.6	1 717	16.0	225
100,000 lb or more	3 524	5.8	27 607	48.5	3 639	34.0	298

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	1 462 475	100.0	2 140 708	100.0	423 366	100.0	425
01	Live animals and live fish	1 742	.1	1 702	—	381	—	444
02	Cereal grains	13 858	.9	118 378	5.5	54 623	12.9	79
03	Other agricultural products	18 646	1.3	49 403	2.3	19 752	4.7	641
04	Animal feed and products of animal origin, n.e.c.	13 348	.9	37 237	1.7	13 331	3.1	106
05	Meat, fish, seafood, and their preparations	25 637	1.8	10 210	.5	4 193	1.0	156
06	Milled grain products and preparations, and bakery products	25 036	1.7	24 034	1.1	12 458	2.9	211
07	Other prepared foodstuffs and fats and oils	78 660	5.4	88 479	4.1	30 361	7.2	220
08	Alcoholic beverages	10 756	.7	10 409	.5	1 632	.4	27
09	Tobacco products	5 094	.3	254	—	54	—	100
10	Monumental or building stone	273	—	2 556	.1	152	—	73
11	Natural sands	876	—	90 960	4.2	6 073	1.4	53
12	Gravel and crushed stone	2 117	.1	403 496	18.8	24 084	5.7	30
13	Nonmetallic minerals n.e.c.	1 505	.1	56 699	2.6	5 642	1.3	97
14	Metallic ores and concentrates	1 182	—	15 530	.7	3 334	.8	362
15	Coal	3 614	.2	140 018	6.5	26 075	6.2	74
17	Gasoline and aviation turbine fuel	41 370	2.8	159 152	7.4	9 085	2.1	37
18	Fuel oils	14 884	1.0	73 389	3.4	3 191	.8	24
19	Coal and petroleum products, n.e.c.	12 420	.8	77 688	3.6	9 112	2.2	86
20	Basic chemicals	14 795	1.0	30 463	1.4	7 283	1.7	151
21	Pharmaceutical products	34 612	2.4	1 060	—	473	.1	528
22	Fertilizers	5 525	.4	29 049	1.4	S	S	143
23	Chemical products and preparations, n.e.c.	48 650	3.3	24 374	1.1	12 437	2.9	288
24	Plastics and rubber	69 151	4.7	24 151	1.1	11 210	2.6	523
25	Logs and other wood in the rough	598	—	6 540	.3	1 124	.3	442
26	Wood products	15 812	1.1	28 936	1.4	5 601	1.3	220
27	Pulp, newsprint, paper, and paperboard	21 990	1.5	37 304	1.7	15 089	3.6	271
28	Paper or paperboard articles	20 413	1.4	13 653	.6	4 185	1.0	331
29	Printed products	47 151	3.2	15 478	.7	5 241	1.2	381
30	Textiles, leather, and articles of textiles or leather	28 063	1.9	2 409	.1	1 320	.3	713
31	Nonmetallic mineral products	22 009	1.5	201 293	9.4	17 408	4.1	388
32	Base metal in primary or semifinished forms and in finished basic shapes	105 842	7.2	161 382	7.5	41 954	9.9	221
33	Articles of base metal	66 830	4.6	25 970	1.2	11 779	2.8	470
34	Machinery	137 220	9.4	20 645	1.0	10 063	2.4	401
35	Electronic and other electrical equipment and components and office equipment	114 786	7.8	8 885	.4	5 303	1.3	435
36	Motorized and other vehicles (including parts)	258 172	17.7	53 326	2.5	22 525	5.3	296
37	Transportation equipment, n.e.c.	10 387	.7	1 334	—	637	.2	734
38	Precision instruments and apparatus	21 500	1.5	343	—	200	—	637
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	21 568	1.5	4 684	.2	2 968	.7	492
40	Miscellaneous manufactured products	79 031	5.4	17 049	.8	8 378	2.0	691
41	Waste and scrap	10 216	.7	50 628	2.4	8 009	1.9	139
43	Mixed freight	29 360	2.0	14 234	.7	1 915	.5	395
--	Commodity unknown	7 776	.5	7 924	.4	932	.2	481

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	1 462 475	100.0	2 140 708	100.0	423 366	100.0	425
010	Live animals and live fish	1 742	.1	1 702	—	381	—	444
021	Wheat	1 703	.1	12 729	.6	5 062	1.2	S
022	Corn, except sweet	10 098	.7	103 353	4.8	48 685	11.5	69
029	Other cereal grains	2 056	.1	2 296	.1	876	.2	184
031	Fresh or chilled potatoes (Irish potatoes), except sweet	1 234	—	1 380	—	88	—	63
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	2 954	.2	3 876	.2	730	.2	47
033	Fresh, chilled, or dried edible fruit and nuts	1 959	.1	2 361	.1	160	—	770
034	Soya beans	9 822	.7	39 888	1.9	18 071	4.3	65
035	Oil seeds and nuts, except olives and soya beans	131	—	362	—	S	—	690
036	Bulbs, live plants, and seeds for sowing, n.e.c.	1 683	.1	1 209	—	478	.1	730
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	863	—	328	—	S	S	211
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	4 403	.3	14 667	.7	8 495	2.0	254
042	Animal feed preparations	8 945	.6	22 570	1.1	4 836	1.1	91
051	Meat including poultry, except preparations	24 282	1.7	9 822	.5	4 036	1.0	162
052	Fish, except live, and seafood, except preparations	626	—	110	—	34	—	S
053	Preparations, extracts, and juices of meat, fish, or seafood	729	—	278	—	123	—	S
061	Wheat flour, groats, and meal	1 115	—	3 624	.2	935	.2	142
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	2 720	.2	8 946	.4	5 969	1.4	345
063	Food preparations of cereals, flour, starch, or milk	8 226	.6	4 734	.2	2 697	.6	322
064	Bakery products	12 975	.9	6 730	.3	2 858	.7	202
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	20 458	1.4	15 762	.7	4 204	1.0	150
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	12 674	.9	10 315	.5	3 923	.9	124
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	1 579	.1	481	—	S	S	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	7 124	.5	13 400	.6	6 080	1.4	219
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	2 927	.2	11 246	.5	6 572	1.6	271
076	Confectionery, cocoa, and cocoa preparations	5 526	.4	1 967	—	1 229	.3	857
077	Edible preparations, n.e.c. and vinegar	16 628	1.1	11 411	.5	5 860	1.4	416
078	Nonalcoholic beverages, n.e.c. and ice	11 745	.8	23 899	1.1	2 327	.5	36
081	Malt Beer	6 427	.4	7 456	.3	695	.2	21
082	Wine and other fermented beverages	1 307	—	435	—	23	—	28
083	Spirituos beverages and ethyl alcohol	3 022	.2	2 518	.1	913	.2	58
090	Tobacco products	5 094	.3	254	—	54	—	100
100	Monumental or building stone, except dolomite	273	—	2 556	.1	152	—	73
110	Natural sands, except metal-bearing	876	—	90 960	4.2	6 073	1.4	53
120	Gravel and crushed stone, except dolomite and slate	2 117	.1	403 496	18.8	24 084	5.7	30
131	Salt	440	—	6 294	.3	690	.2	69
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	10	—	23	—	2	—	46
133	Dolomite	282	—	41 673	1.9	2 959	.7	S
139	Other nonmetallic minerals	773	—	8 709	.4	1 991	.5	337
141	Iron ores and concentrates	499	—	14 802	.7	3 050	.7	246
149	Other metallic ores and concentrates	683	—	728	—	284	—	379
151	Nonagglomerated bituminous coal	3 490	.2	136 103	6.4	25 736	6.1	74
159	Other coal	124	—	S	S	S	S	S
171	Gasoline	39 740	2.7	151 152	7.1	8 270	2.0	37
172	Aviation turbine fuel (types A and B)	1 629	.1	8 001	.4	S	S	S
180	Fuel oils	14 884	1.0	73 389	3.4	3 191	.8	24
191	Lubricating oils and greases	4 002	.3	4 742	.2	1 305	.3	127
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	1 458	.1	S	S	1 849	.4	107
193	Gaseous hydrocarbons	2 844	.2	8 638	.4	1 689	.4	45
199	Other products of petroleum refining, and coal products	4 116	.3	55 939	2.6	4 269	1.0	54
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	463	—	1 402	—	322	—	177
202	Inorganic chemicals, n.e.c.	6 409	.4	22 652	1.1	4 573	1.1	83
203	Cyclic hydrocarbons	289	—	S	S	S	S	177
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	1 765	.1	2 071	.1	982	.2	194
205	Organic chemicals, n.e.c.	5 868	.4	3 684	.2	1 301	.3	387
210	Pharmaceutical products	34 612	2.4	1 060	—	473	.1	528
220	Fertilizers and fertilizer materials	5 525	.4	29 049	1.4	S	S	143
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	9 927	.7	3 711	.2	1 580	.4	266
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	7 582	.5	1 509	—	964	.2	328
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	15 850	1.1	11 441	.5	6 510	1.5	357
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	4 002	.3	338	—	144	—	288
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	2 847	.2	751	—	120	—	140
239	Other chemical products and preparations	8 442	.6	6 624	.3	3 120	.7	243
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	10 507	.7	5 808	.3	2 731	.6	404
242	Manmade fibers and plastics basic shapes and articles	46 189	3.2	15 225	.7	7 018	1.7	587

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	12 455	.9	3 118	.1	1 462	.3	287
250	Logs and other wood in the rough	598	—	6 540	.3	1 124	.3	442
261	Wood chips or particles	123	—	6 113	.3	408	.1	S
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	4 701	.3	10 592	.5	2 102	.5	257
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	3 192	.2	4 500	.2	1 309	.3	206
264	Builders' joinery and carpentry of wood, except shingles and shakes	5 595	.4	2 870	.1	820	.2	191
269	Other wood products	2 200	.2	4 861	.2	963	.2	366
271	Pulp of fibrous cellulosic materials	822	—	S	S	S	S	397
272	Newsprint in large rolls or sheets	319	—	276	—	113	—	363
273	Uncoated paper and paperboard in large rolls or sheets	9 011	.6	14 464	.7	8 572	2.0	208
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	11 837	.8	10 547	.5	5 242	1.2	443
280	Paper or paperboard articles	20 413	1.4	13 653	.6	4 185	1.0	331
291	Printed books, brochures, leaflets, and similar printed products	18 861	1.3	3 862	.2	2 449	.6	835
292	Newspapers, journals, and periodicals	8 512	.6	6 163	.3	359	—	163
293	Advertising material, commercial or trade catalogues, and similar printed products	10 003	.7	3 341	.2	1 428	.3	574
299	Other printed products	9 774	.7	2 112	.1	1 004	.2	578
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	767	—	110	—	58	—	676
302	Textile clothing and accessories, and headgear, except safety	12 507	.9	825	—	S	S	686
303	Textiles and textile articles, n.e.c.	9 400	.6	1 192	—	468	.1	636
304	Footwear	3 593	.2	137	—	S	S	915
305	Leather and articles, luggage of related materials, and dressed furskins and articles	1 797	.1	146	—	97	—	830
311	Hydraulic cements	989	—	16 963	.8	2 597	.6	79
312	Ceramic products	4 831	.3	6 159	.3	2 171	.5	487
313	Glass and glass products	8 260	.6	7 643	.4	3 456	.8	754
319	Other nonmetallic mineral products	7 930	.5	S	S	9 183	2.2	50
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	11 628	.8	12 418	.6	4 325	1.0	286
322	Flat-rolled products of iron or steel	50 847	3.5	114 354	5.3	26 386	6.2	186
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	17 985	1.2	24 576	1.1	7 135	1.7	178
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	25 383	1.7	10 033	.5	4 108	1.0	280
331	Pipes, tubes, and fittings	16 729	1.1	9 757	.5	5 478	1.3	274
332	Structures and parts, except prefabricated buildings	9 520	.7	4 403	.2	1 482	.3	347
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	26 257	1.8	5 764	.3	2 572	.6	525
339	Other articles of metal	14 324	1.0	6 045	.3	2 247	.5	539
341	Internal-combustion piston engines	39 855	2.7	7 465	.3	3 010	.7	380
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	2 241	.2	163	—	83	—	375
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	12 629	.9	1 473	—	950	.2	465
344	Air-conditioning, refrigerating, or freezing equipment	7 783	.5	1 280	—	827	.2	347
345	Materials-handling, excavating, boring, and related machinery and equipment	10 269	.7	2 195	.1	992	.2	399
349	Other machinery	64 444	4.4	8 068	.4	4 200	1.0	401
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	10 617	.7	1 433	—	814	.2	352
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	6 184	.4	625	—	460	.1	776
353	Line telephone or telegraph apparatus	3 155	.2	78	—	62	—	365
354	Electronic entertainment products, except parts	5 302	.4	330	—	213	—	677
355	Computer and office equipment	18 148	1.2	323	—	176	—	635
356	Prepared unrecorded or prerecorded media	5 330	.4	161	—	103	—	768
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	8 000	.5	66	—	47	—	711
358	Electronic components and parts	10 395	.7	921	—	960	.2	512
359	Other electronic and electrical equipment	47 656	3.3	4 950	.2	2 469	.6	240
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	100 609	6.9	13 558	.6	8 294	2.0	552
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	5 613	.4	880	—	559	.1	228
363	Other vehicles	21 834	1.5	4 334	.2	1 882	.4	717
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	130 117	8.9	34 554	1.6	11 790	2.8	235
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	2 289	.2	913	—	346	—	526
372	Aircraft and spacecraft	6 187	.4	47	—	29	—	813
373	Ships, boats, and floating structures	1 911	.1	S	S	S	S	507
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	1 523	.1	15	—	10	—	601
382	Photographic and photocopying machines	1 632	.1	51	—	28	—	537
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	182	—	2	—	1	—	S
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	10 764	.7	113	—	81	—	720
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	7 400	.5	162	—	80	—	582

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	21 568	1.5	4 684	.2	2 968	.7	492
401	Arms and ammunition	1 002	—	136	—	74	—	586
402	Toys, games, and sporting equipment	7 109	.5	890	—	622	.1	864
409	Miscellaneous manufactured products	70 919	4.8	16 023	.7	7 681	1.8	635
411	Metallic waste and scrap	9 266	.6	44 477	2.1	6 467	1.5	116
412	Nonmetallic waste and scrap, except from food processing	950	—	6 151	.3	1 542	.4	242
439	Mixed freight	29 360	2.0	14 234	.7	1 915	.5	395
—	Commodity unknown	7 776	.5	7 924	.4	932	.2	481

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 160, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	1 462 475	100.0	2 140 708	100.0	423 366	100.0	425
Single modes	1 223 540	83.7	2 034 227	95.0	380 594	89.9	179
Truck ¹	1 091 456	74.6	1 626 086	76.0	210 073	49.6	143
For-hire truck	727 266	49.7	852 605	39.8	161 439	38.1	387
Private truck	356 016	24.3	755 394	35.3	46 545	11.0	48
Rail	89 250	6.1	232 090	10.8	103 035	24.3	649
Water	9 303	.6	98 090	4.6	61 410	14.5	S
Shallow draft	7 992	.5	63 262	3.0	50 200	11.9	S
Great Lakes	1 309	—	34 826	1.6	11 200	2.6	328
Deep draft	S	S	S	S	S	S	4 897
Air (includes truck and air)	17 627	1.2	801	—	744	.2	1 154
Pipeline ²	15 905	1.1	77 161	3.6	S	S	S
Multiple modes	177 775	12.2	49 563	2.3	32 063	7.6	659
Parcel, U.S. Postal Service or courier	141 285	9.7	5 071	.2	3 058	.7	657
Truck and rail	34 422	2.4	12 749	.6	12 900	3.0	1 392
Truck and water	297	—	8 108	.4	4 439	1.0	3 794
Rail and water	358	—	12 504	.6	7 829	1.8	1 168
Other multiple modes	1 413	.1	11 131	.5	3 837	.9	S
Other and unknown modes	61 160	4.2	56 918	2.7	10 709	2.5	102
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	1 742	100.0	1 702	100.0	381	100.0	444
Single modes	1 708	98.1	1 672	98.3	377	98.9	178
Truck ¹	1 708	98.1	1 672	98.3	377	98.9	178
For-hire truck	1 576	90.4	1 516	89.1	361	94.9	233
Private truck	133	7.6	156	9.2	15	4.0	49
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	768
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	768
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 02, CEREAL GRAINS							
Total	13 858	100.0	118 378	100.0	54 623	100.0	79
Single modes	13 200	95.3	116 232	98.2	53 035	97.1	78
Truck ¹	6 887	49.7	54 159	45.8	2 764	5.1	53
For-hire truck	4 729	34.1	34 408	29.1	1 911	3.5	78
Private truck	2 098	15.1	19 199	16.2	819	1.5	31
Rail	3 388	24.4	34 874	29.5	20 812	38.1	609
Water	2 926	21.1	27 199	23.0	29 459	53.9	1 132
Shallow draft	2 602	18.8	24 786	20.9	28 096	51.4	1 137
Great Lakes	324	2.3	2 413	2.0	S	S	824
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 331
Parcel, U.S. Postal Service or courier	S	S	—	—	—	—	299
Truck and rail	S	S	S	S	S	S	1 518
Truck and water	S	S	S	S	S	S	1 388
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	285	2.1	1 767	1.5	S	S	S

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	18 646	100.0	49 403	100.0	19 752	100.0	641
Single modes	16 987	91.1	46 818	94.8	18 196	92.1	66
Truck ¹	12 313	66.0	28 153	57.0	2 200	11.1	62
For-hire truck	5 220	28.0	16 080	32.5	1 433	7.3	S
Private truck	7 005	37.6	11 919	24.1	735	3.7	63
Rail	1 431	7.7	5 685	11.5	3 345	16.9	613
Water	3 134	16.8	12 968	26.2	12 640	64.0	1 134
Shallow draft	2 760	14.8	11 405	23.1	12 586	63.7	1 145
Great Lakes	S	S	S	S	54	.3	41
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	109	.6	12	—	11	—	941
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	780	4.2	756	1.5	S	S	742
Parcel, U.S. Postal Service or courier	605	3.2	66	.1	43	.2	742
Truck and rail	S	S	S	S	100	.5	559
Truck and water	S	S	S	S	S	S	4 357
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	880	4.7	S	S	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	13 348	100.0	37 237	100.0	13 331	100.0	106
Single modes	13 144	98.5	36 814	98.9	13 170	98.8	85
Truck ¹	10 974	82.2	27 716	74.4	5 864	44.0	77
For-hire truck	5 535	41.5	10 794	29.0	4 558	34.2	383
Private truck	5 399	40.4	16 762	45.0	1 290	9.7	42
Rail	1 739	13.0	6 995	18.8	5 039	37.8	736
Water	430	3.2	2 101	5.6	2 265	17.0	1 066
Shallow draft	430	3.2	2 101	5.6	2 265	17.0	1 066
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	287
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	45	.3	S	S	S	S	906
Parcel, U.S. Postal Service or courier	18	.1	S	S	S	S	902
Truck and rail	S	S	S	S	S	S	1 788
Truck and water	S	S	S	S	S	S	8 220
Rail and water	S	S	S	S	S	S	1 223
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	160	1.2	343	.9	47	.3	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	25 637	100.0	10 210	100.0	4 193	100.0	156
Single modes	25 039	97.7	9 927	97.2	4 118	98.2	105
Truck ¹	24 918	97.2	9 897	96.9	4 048	96.5	103
For-hire truck	11 994	46.8	4 668	45.7	3 158	75.3	607
Private truck	12 573	49.0	5 108	50.0	838	20.0	56
Rail	S	S	S	S	S	S	2 431
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 369
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	10	.1	15	.4	1 103
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 103
Truck and rail	S	S	S	S	S	S	2 273
Truck and water	S	S	S	S	S	S	165
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	531	2.1	273	2.7	61	1.4	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	25 036	100.0	24 034	100.0	12 458	100.0	211
Single modes	24 383	97.4	23 314	97.0	11 810	94.8	78
Truck ¹	22 571	90.2	17 042	70.9	6 935	55.7	74
For-hire truck	13 893	55.5	10 579	44.0	5 922	47.5	613
Private truck	8 572	34.2	6 412	26.7	995	8.0	40
Rail	1 804	7.2	6 121	25.5	4 703	37.7	924
Water	S	S	S	S	S	S	1 140
Shallow draft	S	S	S	S	S	S	1 140
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	901
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	481	1.9	354	1.5	520	4.2	1 103
Parcel, U.S. Postal Service or courier	109	.4	S	S	8	—	1 101
Truck and rail	358	1.4	286	1.2	470	3.8	1 578
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	896
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	171	.7	S	S	128	1.0	178
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	78 660	100.0	88 479	100.0	30 361	100.0	220
Single modes	75 964	96.6	86 023	97.2	28 127	92.6	102
Truck ¹	72 007	91.5	74 621	84.3	18 623	61.3	98
For-hire truck	38 053	48.4	39 180	44.3	14 406	47.4	423
Private truck	32 544	41.4	34 707	39.2	3 798	12.5	50
Rail	3 357	4.3	9 742	11.0	8 625	28.4	972
Water	296	.4	1 068	1.2	868	2.9	815
Shallow draft	296	.4	1 068	1.2	868	2.9	815
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	19	—	3	—	S	S	1 000
Pipeline ²	285	.4	589	.7	S	S	S
Multiple modes	1 086	1.4	1 233	1.4	1 688	5.6	1 057
Parcel, U.S. Postal Service or courier	368	.5	32	—	20	—	1 053
Truck and rail	717	.9	1 201	1.4	1 667	5.5	1 694
Truck and water	S	S	S	S	S	S	4 621
Rail and water	S	S	S	S	S	S	2 725
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 611	2.0	1 223	1.4	546	1.8	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	10 756	100.0	10 409	100.0	1 632	100.0	27
Single modes	10 487	97.5	10 219	98.2	1 572	96.3	27
Truck ¹	10 177	94.6	9 583	92.1	1 058	64.8	27
For-hire truck	1 473	13.7	2 161	20.8	691	42.4	218
Private truck	8 704	80.9	7 422	71.3	367	22.5	25
Rail	273	2.5	S	S	S	S	854
Water	S	S	S	S	S	S	61
Shallow draft	S	S	S	S	S	S	61
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	521
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	520
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	393
Truck and rail	S	S	S	S	S	S	2 012
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	3	.2	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	5 094	100.0	254	100.0	54	100.0	100
Single modes	4 962	97.4	247	97.3	39	72.6	83
Truck ¹	4 962	97.4	247	97.3	39	72.6	83
For-hire truck	876	17.2	23	9.1	21	39.6	1 031
Private truck	4 086	80.2	224	88.2	18	33.0	50
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	88	1.7	S	S	S	S	991
Parcel, U.S. Postal Service or courier	64	1.3	2	.8	2	2.8	886
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	4 616
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	44	.9	2	.8	S	S	33
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	273	100.0	2 556	100.0	152	100.0	73
Single modes	268	98.2	2 421	94.7	150	98.8	63
Truck ¹	268	98.2	2 421	94.7	150	98.8	63
For-hire truck	92	33.8	S	S	117	77.3	199
Private truck	S	S	789	30.9	25	16.6	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	636
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	636
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	4	1.3	S	S	S	S	107
SCTG 11, NATURAL SANDS							
Total	876	100.0	90 960	100.0	6 073	100.0	53
Single modes	850	97.1	88 074	96.8	5 850	96.3	54
Truck ¹	784	89.5	85 291	93.8	4 213	69.4	49
For-hire truck	320	36.6	19 995	22.0	1 512	24.9	77
Private truck	434	49.6	63 356	69.7	2 668	43.9	41
Rail	65	7.4	2 578	2.8	1 589	26.2	608
Water	S	S	S	S	S	S	237
Shallow draft	S	S	S	S	S	S	237
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	939
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	326
Truck and rail	S	S	S	S	S	S	2 460
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	4 304
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	25	2.8	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	2 117	100.0	403 496	100.0	24 084	100.0	30
Single modes	2 035	96.2	385 830	95.6	20 315	84.4	30
Truck ¹	1 920	90.7	357 529	88.6	12 175	50.6	29
For-hire truck	777	36.7	133 688	33.1	4 740	19.7	34
Private truck	1 113	52.6	218 024	54.0	7 273	30.2	27
Rail	22	1.0	3 022	.7	529	2.2	174
Water	94	4.4	25 279	6.3	7 612	31.6	226
Shallow draft	24	1.1	4 220	1.0	815	3.4	190
Great Lakes	69	3.3	21 059	5.2	6 797	28.2	316
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	33	1.5	8 565	2.1	3 351	13.9	434
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	447
Truck and rail	—	—	—	—	—	—	—
Truck and water	17	.8	4 774	1.2	2 310	9.6	487
Rail and water	—	—	—	—	—	—	—
Other multiple modes	15	.7	3 790	.9	S	S	255
Other and unknown modes	S	S	S	S	417	1.7	31
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	1 505	100.0	56 699	100.0	5 642	100.0	97
Single modes	1 411	93.7	54 885	96.8	4 929	87.4	51
Truck ¹	1 231	81.8	48 224	85.1	2 416	42.8	47
For-hire truck	654	43.5	20 626	36.4	1 405	24.9	69
Private truck	574	38.2	27 587	48.7	1 010	17.9	36
Rail	73	4.9	S	S	S	S	455
Water	106	7.0	4 362	7.7	1 542	27.3	327
Shallow draft	—	—	—	—	—	—	—
Great Lakes	106	7.0	4 362	7.7	1 542	27.3	327
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	654
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	25	1.7	S	S	S	S	811
Parcel, U.S. Postal Service or courier	19	1.3	2	—	S	S	812
Truck and rail	S	S	S	S	S	S	41
Truck and water	S	S	S	S	S	S	446
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	196
Other and unknown modes	S	S	549	1.0	S	S	211
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	1 182	100.0	15 530	100.0	3 334	100.0	362
Single modes	1 038	87.9	11 655	75.1	986	29.6	208
Truck ¹	640	54.1	414	2.7	134	4.0	214
For-hire truck	433	36.6	319	2.1	114	3.4	388
Private truck	207	17.5	94	.6	20	.6	65
Rail	399	33.7	11 241	72.4	852	25.6	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	558
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	555
Truck and rail	S	S	S	S	S	S	2 301
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	613
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	267

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	3 614	100.0	140 018	100.0	26 075	100.0	74
Single modes	2 571	71.1	104 008	74.3	18 204	69.8	72
Truck ¹	938	26.0	34 701	24.8	2 365	9.1	68
For-hire truck	850	23.5	33 642	24.0	2 180	8.4	64
Private truck	S	S	S	S	S	S	141
Rail	1 391	38.5	58 675	41.9	12 260	47.0	185
Water	S	S	S	S	S	S	389
Shallow draft	S	S	S	S	S	S	389
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	379	10.5	18 171	13.0	7 155	27.4	209
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	120
Truck and water	S	S	S	S	S	S	166
Rail and water	188	5.2	8 429	6.0	5 192	19.9	575
Other multiple modes	89	2.5	4 749	3.4	1 209	4.6	262
Other and unknown modes	664	18.4	17 839	12.7	S	S	115
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	41 370	100.0	159 152	100.0	9 085	100.0	37
Single modes	40 892	98.8	158 381	99.5	9 062	99.8	39
Truck ¹	30 491	73.7	110 636	69.5	4 999	55.0	40
For-hire truck	11 218	27.1	40 384	25.4	1 997	22.0	51
Private truck	19 010	46.0	69 278	43.5	2 967	32.7	35
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	7
Shallow draft	S	S	S	S	S	S	7
Great Lakes	S	S	S	S	S	S	1
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	10 180	24.6	46 644	29.3	S	S	S
Multiple modes	280	.7	207	.1	S	S	17
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	12
Rail and water	—	—	—	—	—	—	—
Other multiple modes	279	.7	205	.1	S	S	17
Other and unknown modes	198	.5	565	.4	16	.2	7
SCTG 18, FUEL OILS							
Total	14 884	100.0	73 389	100.0	3 191	100.0	24
Single modes	14 300	96.1	71 999	98.1	3 144	98.5	24
Truck ¹	9 355	62.9	42 925	58.5	2 124	66.6	24
For-hire truck	2 897	19.5	14 444	19.7	891	27.9	52
Private truck	6 418	43.1	28 262	38.5	1 221	38.3	20
Rail	S	S	S	S	S	S	412
Water	S	S	S	S	S	S	7
Shallow draft	S	S	S	S	S	S	7
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	543
Pipeline ²	4 268	28.7	24 515	33.4	S	S	S
Multiple modes	221	1.5	157	.2	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	688
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	221	1.5	157	.2	S	S	15
Other and unknown modes	S	S	S	S	S	S	23

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	12 420	100.0	77 688	100.0	9 112	100.0	86
Single modes	12 156	97.9	77 001	99.1	8 964	98.4	69
Truck ¹	8 526	68.6	56 615	72.9	4 389	48.2	63
For-hire truck	5 094	41.0	33 783	43.5	3 394	37.2	178
Private truck	3 346	26.9	21 078	27.1	915	10.0	27
Rail	2 778	22.4	16 049	20.7	3 934	43.2	449
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	S	S	S	S	S	S	146
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	—	—	—	—	1 295
Pipeline ²	S	S	2 133	2.7	S	S	S
Multiple modes	151	1.2	69	—	38	.4	417
Parcel, U.S. Postal Service or courier	104	.8	12	—	S	S	416
Truck and rail	35	.3	18	—	S	S	1 319
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	62
Other and unknown modes	113	.9	618	.8	S	S	33
SCTG 20, BASIC CHEMICALS							
Total	14 795	100.0	30 463	100.0	7 283	100.0	151
Single modes	13 695	92.6	29 945	98.3	6 903	94.8	112
Truck ¹	11 674	78.9	20 671	67.9	3 642	50.0	82
For-hire truck	7 803	52.7	9 329	30.6	2 743	37.7	439
Private truck	3 766	25.5	11 244	36.9	888	12.2	30
Rail	1 455	9.8	6 932	22.8	2 557	35.1	505
Water	S	S	S	S	S	S	498
Shallow draft	S	S	S	S	S	S	498
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	223	1.5	2	—	1	—	1 152
Pipeline ²	26	.2	S	S	S	S	S
Multiple modes	949	6.4	314	1.0	340	4.7	362
Parcel, U.S. Postal Service or courier	658	4.4	S	S	12	.2	357
Truck and rail	292	2.0	250	.8	328	4.5	1 332
Truck and water	S	S	S	S	S	S	2 966
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	151	1.0	203	.7	40	.5	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	34 612	100.0	1 060	100.0	473	100.0	528
Single modes	25 062	72.4	927	87.5	414	87.4	167
Truck ¹	22 975	66.4	911	85.9	389	82.2	132
For-hire truck	14 427	41.7	425	40.2	244	51.6	277
Private truck	8 374	24.2	481	45.4	144	30.5	70
Rail	S	S	S	S	S	S	1 726
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 018	2.9	4	.4	3	.6	1 077
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	8 955	25.9	118	11.1	53	11.2	620
Parcel, U.S. Postal Service or courier	8 884	25.7	116	10.9	52	10.9	620
Truck and rail	S	S	S	S	S	S	453
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	596	1.7	14	1.4	7	1.4	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	5 525	100.0	29 049	100.0	S	S	143
Single modes	5 121	92.7	26 576	91.5	S	S	48
Truck ¹	4 207	76.1	21 241	73.1	S	S	41
For-hire truck	S	S	S	S	S	S	141
Private truck	2 644	47.9	12 119	41.7	321	8.4	20
Rail	S	S	S	S	S	S	405
Water	S	S	S	S	S	S	454
Shallow draft	S	S	S	S	S	S	454
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	732
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	956
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	956
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	69
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	48 650	100.0	24 374	100.0	12 437	100.0	288
Single modes	42 366	87.1	22 774	93.4	10 293	82.8	199
Truck ¹	41 194	84.7	21 392	87.8	9 157	73.6	194
For-hire truck	29 152	59.9	15 871	65.1	7 561	60.8	425
Private truck	11 964	24.6	5 476	22.5	1 583	12.7	69
Rail	1 010	2.1	1 344	5.5	1 100	8.8	1 007
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	914
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	5 398	11.1	1 262	5.2	1 941	15.6	469
Parcel, U.S. Postal Service or courier	3 123	6.4	228	.9	89	.7	462
Truck and rail	2 273	4.7	1 033	4.2	1 847	14.9	1 696
Truck and water	3	—	1	—	4	—	4 885
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	336
Other and unknown modes	885	1.8	338	1.4	203	1.6	S
SCTG 24, PLASTICS AND RUBBER							
Total	69 151	100.0	24 151	100.0	11 210	100.0	523
Single modes	60 368	87.3	22 684	93.9	9 848	87.9	278
Truck ¹	57 871	83.7	20 412	84.5	8 310	74.1	244
For-hire truck	43 039	62.2	15 461	64.0	7 294	65.1	520
Private truck	14 475	20.9	4 833	20.0	960	8.6	72
Rail	2 148	3.1	2 251	9.3	1 506	13.4	246
Water	S	S	S	S	S	S	707
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	707
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	349	.5	21	—	32	.3	1 429
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	7 065	10.2	1 018	4.2	1 151	10.3	699
Parcel, U.S. Postal Service or courier	6 044	8.7	444	1.8	280	2.5	698
Truck and rail	1 021	1.5	573	2.4	870	7.8	1 480
Truck and water	S	S	S	S	S	S	4 024
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 718	2.5	449	1.9	211	1.9	115

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	598	100.0	6 540	100.0	1 124	100.0	442
Single modes	566	94.6	6 415	98.1	936	83.3	104
Truck ¹	539	90.2	5 965	91.2	852	75.8	101
For-hire truck	239	40.0	2 588	39.6	456	40.6	141
Private truck	215	36.0	3 183	48.7	S	S	80
Rail	26	4.4	S	S	85	7.5	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	815
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	811
Truck and rail	S	S	S	S	S	S	1 621
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	7	1.2	S	S	5	.4	70
SCTG 26, WOOD PRODUCTS							
Total	15 812	100.0	28 936	100.0	5 601	100.0	220
Single modes	15 089	95.4	28 243	97.6	5 221	93.2	153
Truck ¹	14 783	93.5	27 213	94.0	4 481	80.0	149
For-hire truck	6 156	38.9	11 508	39.8	2 958	52.8	401
Private truck	8 470	53.6	15 259	52.7	1 504	26.9	80
Rail	264	1.7	1 027	3.6	737	13.2	812
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 100
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	361	2.3	148	.5	234	4.2	809
Parcel, U.S. Postal Service or courier	156	1.0	17	—	11	.2	770
Truck and rail	205	1.3	132	.5	222	4.0	2 318
Truck and water	S	S	S	S	S	S	804
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	362	2.3	545	1.9	147	2.6	76
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	21 990	100.0	37 304	100.0	15 089	100.0	271
Single modes	20 839	94.8	36 679	98.3	14 603	96.8	197
Truck ¹	18 003	81.9	32 388	86.8	11 317	75.0	178
For-hire truck	13 879	63.1	28 988	77.7	10 898	72.2	426
Private truck	4 029	18.3	3 335	8.9	388	2.6	42
Rail	2 597	11.8	3 742	10.0	3 280	21.7	881
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	24	.1	4	—	3	—	1 064
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	916	4.2	268	.7	287	1.9	350
Parcel, U.S. Postal Service or courier	731	3.3	103	.3	42	.3	346
Truck and rail	180	.8	162	.4	230	1.5	1 449
Truck and water	S	S	S	S	S	S	8 196
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 785
Other and unknown modes	235	1.1	356	1.0	199	1.3	125

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	20 413	100.0	13 653	100.0	4 185	100.0	331
Single modes	18 336	89.8	13 164	96.4	3 785	90.5	142
Truck ¹	18 121	88.8	13 096	95.9	3 671	87.7	130
For-hire truck	12 455	61.0	8 836	64.7	3 200	76.5	367
Private truck	5 536	27.1	4 142	30.3	409	9.8	46
Rail	87	.4	61	.4	106	2.5	1 893
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	7	—	S	S	1 183
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 547	7.6	274	2.0	330	7.9	665
Parcel, U.S. Postal Service or courier	1 229	6.0	122	.9	68	1.6	664
Truck and rail	317	1.6	152	1.1	262	6.3	1 575
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	530	2.6	215	1.6	70	1.7	S
SCTG 29, PRINTED PRODUCTS							
Total	47 151	100.0	15 478	100.0	5 241	100.0	381
Single modes	34 010	72.1	13 920	89.9	4 593	87.6	163
Truck ¹	33 025	70.0	13 853	89.5	4 491	85.7	102
For-hire truck	22 175	47.0	8 165	52.8	4 191	80.0	210
Private truck	10 754	22.8	5 658	36.6	292	5.6	26
Rail	49	.1	19	.1	35	.7	1 611
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	937	2.0	49	.3	67	1.3	1 177
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	10 279	21.8	756	4.9	518	9.9	520
Parcel, U.S. Postal Service or courier	10 008	21.2	653	4.2	382	7.3	520
Truck and rail	S	S	102	.7	135	2.6	1 816
Truck and water	S	S	S	S	S	S	2 794
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 571
Other and unknown modes	2 863	6.1	802	5.2	131	2.5	160
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	28 063	100.0	2 409	100.0	1 320	100.0	713
Single modes	15 615	55.6	1 863	77.3	955	72.4	395
Truck ¹	15 353	54.7	1 851	76.8	946	71.7	366
For-hire truck	10 407	37.1	859	35.7	487	36.9	642
Private truck	4 417	15.7	964	40.0	S	S	183
Rail	S	S	S	S	S	S	1 550
Water	S	S	S	S	S	S	5
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	5
Air (includes truck and air)	S	S	8	.3	5	.4	1 201
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	10 494	37.4	402	16.7	319	24.2	767
Parcel, U.S. Postal Service or courier	10 133	36.1	380	15.8	263	19.9	766
Truck and rail	358	1.3	22	.9	54	4.1	2 299
Truck and water	S	S	S	S	S	S	5 040
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 954	7.0	144	6.0	46	3.5	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	22 009	100.0	201 293	100.0	17 408	100.0	388
Single modes	20 096	91.3	198 873	98.8	15 759	90.5	148
Truck ¹	19 477	88.5	190 542	94.7	11 464	65.9	143
For-hire truck	12 292	55.9	S	S	8 887	51.1	326
Private truck	6 502	29.5	70 721	35.1	2 160	12.4	40
Rail	305	1.4	3 650	1.8	2 529	14.5	717
Water	274	1.2	4 643	2.3	1 730	9.9	442
Shallow draft	S	S	S	S	S	S	529
Great Lakes	S	S	S	S	S	S	353
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	40	.2	39	—	S	S	1 072
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 366	6.2	321	.2	324	1.9	733
Parcel, U.S. Postal Service or courier	1 246	5.7	82	—	58	.3	730
Truck and rail	94	.4	78	—	150	.9	1 987
Truck and water	S	S	S	S	S	S	9 813
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	228
Other and unknown modes	547	2.5	2 099	1.0	1 325	7.6	119
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	105 842	100.0	161 382	100.0	41 954	100.0	221
Single modes	101 585	96.0	155 384	96.3	38 623	92.1	188
Truck ¹	92 049	87.0	134 061	83.1	27 388	65.3	181
For-hire truck	67 342	63.6	104 689	64.9	23 471	55.9	323
Private truck	23 908	22.6	28 091	17.4	3 643	8.7	70
Rail	9 178	8.7	20 984	13.0	10 972	26.2	531
Water	S	S	S	S	S	S	2 902
Shallow draft	S	S	S	S	S	S	1 150
Great Lakes	S	S	S	S	S	S	7
Deep draft	S	S	S	S	S	S	8 390
Air (includes truck and air)	281	.3	166	.1	89	.2	1 013
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	2 509	2.4	S	S	S	S	470
Parcel, U.S. Postal Service or courier	1 137	1.1	62	—	27	—	462
Truck and rail	593	.6	531	.3	473	1.1	1 060
Truck and water	S	S	S	S	S	S	997
Rail and water	S	S	S	S	S	S	787
Other multiple modes	S	S	S	S	S	S	536
Other and unknown modes	1 748	1.7	3 323	2.1	1 262	3.0	152
SCTG 33, ARTICLES OF BASE METAL							
Total	66 830	100.0	25 970	100.0	11 779	100.0	470
Single modes	51 450	77.0	23 913	92.1	10 441	88.6	251
Truck ¹	50 188	75.1	22 499	86.6	8 439	71.6	232
For-hire truck	34 714	51.9	15 555	59.9	7 441	63.2	520
Private truck	15 383	23.0	6 820	26.3	972	8.2	67
Rail	898	1.3	1 354	5.2	1 959	16.6	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	365	.5	61	.2	44	.4	1 095
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	13 033	19.5	815	3.1	593	5.0	655
Parcel, U.S. Postal Service or courier	12 777	19.1	532	2.0	371	3.2	655
Truck and rail	240	.4	279	1.1	215	1.8	887
Truck and water	S	S	S	S	S	S	8 608
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	704
Other and unknown modes	2 346	3.5	1 243	4.8	744	6.3	50

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	137 220	100.0	20 645	100.0	10 063	100.0	401
Single modes	112 987	82.3	18 877	91.4	8 299	82.5	288
Truck ¹	107 207	78.1	18 134	87.8	7 587	75.4	221
For-hire truck	83 508	60.9	14 409	69.8	6 814	67.7	655
Private truck	23 380	17.0	3 659	17.7	738	7.3	44
Rail	3 522	2.6	675	3.3	646	6.4	S
Water	S	S	S	S	S	S	33
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	33
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	2 258	1.6	68	.3	66	.7	1 181
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	19 953	14.5	1 266	6.1	1 582	15.7	529
Parcel, U.S. Postal Service or courier	16 236	11.8	407	2.0	214	2.1	527
Truck and rail	3 709	2.7	762	3.7	1 215	12.1	1 482
Truck and water	S	S	S	S	S	S	8 518
Rail and water	S	S	S	S	S	S	1 546
Other multiple modes	S	S	S	S	S	S	440
Other and unknown modes	4 280	3.1	502	2.4	182	1.8	75
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	114 786	100.0	8 885	100.0	5 303	100.0	435
Single modes	81 995	71.4	7 954	89.5	4 511	85.1	256
Truck ¹	76 396	66.6	7 782	87.6	4 261	80.3	175
For-hire truck	57 490	50.1	5 371	60.5	3 672	69.2	587
Private truck	18 402	16.0	2 355	26.5	549	10.4	41
Rail	803	.7	105	1.2	170	3.2	1 064
Water	S	S	S	S	S	S	1 479
Shallow draft	S	S	S	S	S	S	1 479
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	4 786	4.2	67	.8	80	1.5	1 188
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	28 452	24.8	661	7.4	692	13.0	629
Parcel, U.S. Postal Service or courier	27 158	23.7	445	5.0	253	4.8	624
Truck and rail	1 287	1.1	215	2.4	430	8.1	2 407
Truck and water	S	S	S	S	S	S	10 214
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	393
Other and unknown modes	4 340	3.8	270	3.0	100	1.9	127
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	258 172	100.0	53 326	100.0	22 525	100.0	296
Single modes	205 123	79.5	48 007	90.0	18 708	83.1	143
Truck ¹	159 900	61.9	37 388	70.1	10 785	47.9	101
For-hire truck	133 790	51.8	31 624	59.3	9 769	43.4	372
Private truck	24 841	9.6	5 403	10.1	942	4.2	30
Rail	43 457	16.8	10 422	19.5	7 772	34.5	1 016
Water	S	S	S	S	S	S	1
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	1 766	.7	196	.4	150	.7	1 019
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	28 248	10.9	2 509	4.7	2 752	12.2	632
Parcel, U.S. Postal Service or courier	7 445	2.9	374	.7	239	1.1	621
Truck and rail	20 777	8.0	2 133	4.0	2 503	11.1	1 118
Truck and water	S	S	S	S	S	S	6 340
Rail and water	S	S	S	S	S	S	5 480
Other multiple modes	S	S	S	S	S	S	4 361
Other and unknown modes	24 802	9.6	2 810	5.3	1 065	4.7	76

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	10 387	100.0	1 334	100.0	637	100.0	734
Single modes	7 474	72.0	1 319	98.8	626	98.3	700
Truck ¹	5 627	54.2	737	55.3	382	59.9	575
For-hire truck	3 982	38.3	504	37.8	271	42.6	699
Private truck	1 646	15.8	233	17.5	111	17.4	247
Rail	544	5.2	346	25.9	83	13.1	231
Water	S	S	S	S	S	S	712
Shallow draft	S	S	S	S	S	S	712
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 069	10.3	3	.2	3	.4	1 105
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 761	26.6	12	.9	9	1.4	772
Parcel, U.S. Postal Service or courier	2 750	26.5	8	.6	6	1.0	772
Truck and rail	S	S	S	S	S	S	861
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	152	1.5	S	S	2	.3	S
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	21 500	100.0	343	100.0	200	100.0	637
Single modes	9 775	45.5	233	67.9	124	62.2	795
Truck ¹	7 464	34.7	222	64.8	114	57.0	268
For-hire truck	5 468	25.4	154	44.8	106	53.0	577
Private truck	1 995	9.3	69	20.0	8	4.0	48
Rail	S	S	S	S	S	S	115
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	2 308	10.7	11	3.2	10	5.2	1 155
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	10 704	49.8	87	25.4	62	30.8	609
Parcel, U.S. Postal Service or courier	10 698	49.8	87	25.4	61	30.7	609
Truck and rail	S	S	S	S	S	S	S
Truck and water	S	S	S	S	S	S	1 434
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 022	4.8	23	6.6	S	S	160
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	21 568	100.0	4 684	100.0	2 968	100.0	492
Single modes	20 183	93.6	4 419	94.3	2 665	89.8	435
Truck ¹	19 813	91.9	4 303	91.9	2 528	85.2	419
For-hire truck	12 997	60.3	2 910	62.1	2 179	73.4	761
Private truck	6 788	31.5	1 390	29.7	349	11.7	120
Rail	203	.9	S	S	S	S	768
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	168	.8	S	S	S	S	1 067
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	925	4.3	126	2.7	218	7.3	673
Parcel, U.S. Postal Service or courier	699	3.2	49	1.0	36	1.2	647
Truck and rail	226	1.0	S	S	S	S	1 843
Truck and water	S	S	S	S	S	S	10 113
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	459	2.1	139	3.0	85	2.9	355

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	79 031	100.0	17 049	100.0	8 378	100.0	691
Single modes	58 491	74.0	15 788	92.6	7 552	90.1	409
Truck ¹	56 231	71.2	15 432	90.5	7 145	85.3	368
For-hire truck	37 609	47.6	9 894	58.0	5 234	62.5	684
Private truck	18 499	23.4	5 432	31.9	S	S	77
Rail	S	S	S	S	380	4.5	987
Water	S	S	S	S	S	S	10 468
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	10 468
Air (includes truck and air)	1 191	1.5	27	.2	27	.3	1 154
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	17 659	22.3	728	4.3	587	7.0	797
Parcel, U.S. Postal Service or courier	17 115	21.7	628	3.7	438	5.2	797
Truck and rail	543	.7	99	.6	149	1.8	1 619
Truck and water	S	S	S	S	S	S	7 475
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	294
Other and unknown modes	2 880	3.6	533	3.1	239	2.8	175
SCTG 41, WASTE AND SCRAP							
Total	10 216	100.0	50 628	100.0	8 009	100.0	139
Single modes	10 079	98.7	50 191	99.1	7 790	97.3	128
Truck ¹	8 128	79.6	36 012	71.1	4 235	52.9	118
For-hire truck	4 698	46.0	17 666	34.9	2 932	36.6	181
Private truck	3 389	33.2	17 956	35.5	1 273	15.9	66
Rail	1 951	19.1	14 178	28.0	3 555	44.4	232
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	956
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	113	1.1	315	.6	200	2.5	1 018
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 015
Truck and rail	113	1.1	314	.6	200	2.5	1 024
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	134
SCTG 43, MIXED FREIGHT							
Total	29 360	100.0	14 234	100.0	1 915	100.0	395
Single modes	25 358	86.4	12 829	90.1	1 579	82.4	108
Truck ¹	25 167	85.7	12 799	89.9	1 560	81.5	107
For-hire truck	3 174	10.8	1 682	11.8	327	17.1	186
Private truck	21 991	74.9	11 116	78.1	1 233	64.4	104
Rail	S	S	S	S	S	S	581
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	861
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 079	3.7	175	1.2	S	S	801
Parcel, U.S. Postal Service or courier	S	S	90	.6	S	S	801
Truck and rail	S	S	S	S	S	S	1 529
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 924	10.0	1 230	8.6	144	7.5	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	7 776	100.0	7 924	100.0	932	100.0	481
Single modes	6 480	83.3	7 731	97.6	841	90.2	215
Truck ¹	5 397	69.4	5 337	67.4	626	67.2	202
For-hire truck	3 227	41.5	1 319	16.7	384	41.2	720
Private truck	2 170	27.9	4 016	50.7	243	26.1	41
Rail	S	S	S	S	S	S	342
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	786
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	758	9.7	63	.8	39	4.2	808
Parcel, U.S. Postal Service or courier	733	9.4	28	.4	17	1.8	808
Truck and rail	24	.3	S	S	20	2.1	534
Truck and water	S	S	S	S	S	S	1 694
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	5 308
Other and unknown modes	538	6.9	130	1.6	S	S	250

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 462 475	2 140 708	423 366
Less than 50 miles	419 619	1 276 818	28 834
50 to 99 miles	130 965	203 961	18 878
100 to 249 miles	261 600	273 376	58 000
250 to 499 miles	249 747	185 370	90 223
500 to 749 miles	173 243	110 327	95 730
750 to 999 miles	86 859	52 161	59 144
1,000 to 1,499 miles	63 495	18 294	26 424
1,500 to 1,999 miles	67 482	17 972	39 727
2,000 miles or more	9 466	2 431	6 407
SCTG 01, Live animals and live fish	1 742	1 702	381
Less than 50 miles	175	211	7
50 to 99 miles	287	277	28
100 to 249 miles	970	925	S
250 to 499 miles	293	280	123
500 to 749 miles	15	9	6
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	13 858	118 378	54 623
Less than 50 miles	5 382	49 992	1 349
50 to 99 miles	1 119	9 779	934
100 to 249 miles	1 098	4 995	997
250 to 499 miles	1 937	16 678	10 630
500 to 749 miles	2 698	24 988	25 362
750 to 999 miles	1 335	11 479	14 595
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	127	290
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	18 646	49 403	19 752
Less than 50 miles	8 602	23 316	647
50 to 99 miles	2 636	5 637	521
100 to 249 miles	1 755	3 020	566
250 to 499 miles	1 363	3 363	2 275
500 to 749 miles	2 811	10 005	10 481
750 to 999 miles	1 005	3 771	4 705
1,000 to 1,499 miles	119	124	179
1,500 to 1,999 miles	S	155	345
2,000 miles or more	7	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	13 348	37 237	13 331
Less than 50 miles	4 089	15 323	309
50 to 99 miles	1 554	2 745	252
100 to 249 miles	1 930	4 226	828
250 to 499 miles	2 816	6 985	3 907
500 to 749 miles	1 808	6 122	5 393
750 to 999 miles	564	1 072	1 107
1,000 to 1,499 miles	152	234	318
1,500 to 1,999 miles	430	520	1 184
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	25 637	10 210	4 193
Less than 50 miles	7 404	2 939	64
50 to 99 miles	3 080	1 391	127
100 to 249 miles	4 703	2 056	414
250 to 499 miles	3 242	1 402	633
500 to 749 miles	2 430	929	722
750 to 999 miles	1 902	610	618
1,000 to 1,499 miles	1 006	375	522
1,500 to 1,999 miles	1 753	464	995
2,000 miles or more	117	42	99
SCTG 06, Milled grain products and preparations, and bakery products	25 036	24 034	12 458
Less than 50 miles	5 701	4 551	135
50 to 99 miles	2 266	1 969	179
100 to 249 miles	4 276	5 115	1 126
250 to 499 miles	4 506	4 211	2 035
500 to 749 miles	4 297	4 558	3 728
750 to 999 miles	1 739	1 933	2 062
1,000 to 1,499 miles	781	746	1 062
1,500 to 1,999 miles	1 368	906	2 003
2,000 miles or more	103	45	130
SCTG 07, Other prepared foodstuffs and fats and oils	78 660	88 479	30 361
Less than 50 miles	24 304	30 507	730
50 to 99 miles	8 918	11 930	1 101
100 to 249 miles	14 858	16 750	3 336
250 to 499 miles	11 120	12 778	6 506
500 to 749 miles	9 139	8 404	6 785
750 to 999 miles	4 763	4 395	4 772
1,000 to 1,499 miles	2 016	1 337	1 885
1,500 to 1,999 miles	3 445	2 320	5 102
2,000 miles or more	98	57	145

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	10 756	10 409	1 632
Less than 50 miles	7 543	6 388	111
50 to 99 miles	779	831	70
100 to 249 miles	1 242	1 878	365
250 to 499 miles	544	756	323
500 to 749 miles	262	179	153
750 to 999 miles	123	101	105
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	80	45	96
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	5 094	254	54
Less than 50 miles	2 719	135	4
50 to 99 miles	775	45	4
100 to 249 miles	739	47	9
250 to 499 miles	433	12	5
500 to 749 miles	94	3	2
750 to 999 miles	S	S	S
1,000 to 1,499 miles	93	3	4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	273	2 556	152
Less than 50 miles	S	2 249	33
50 to 99 miles	S	34	3
100 to 249 miles	43	137	31
250 to 499 miles	19	60	24
500 to 749 miles	29	57	41
750 to 999 miles	6	15	15
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	876	90 960	6 073
Less than 50 miles	603	77 861	1 975
50 to 99 miles	76	5 347	492
100 to 249 miles	97	4 695	1 110
250 to 499 miles	37	1 005	403
500 to 749 miles	34	615	499
750 to 999 miles	14	S	S
1,000 to 1,499 miles	10	S	S
1,500 to 1,999 miles	4	31	67
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	2 117	403 496	24 084
Less than 50 miles	1 783	341 607	7 488
50 to 99 miles	96	18 323	1 609
100 to 249 miles	132	22 721	4 679
250 to 499 miles	87	18 505	8 314
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	1 505	56 699	5 642
Less than 50 miles	627	40 070	810
50 to 99 miles	234	4 378	382
100 to 249 miles	336	6 657	1 427
250 to 499 miles	187	4 944	2 404
500 to 749 miles	70	455	351
750 to 999 miles	19	78	78
1,000 to 1,499 miles	S	85	117
1,500 to 1,999 miles	S	20	43
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	1 182	15 530	3 334
Less than 50 miles	477	10 101	522
50 to 99 miles	S	49	4
100 to 249 miles	126	S	S
250 to 499 miles	317	4 347	S
500 to 749 miles	53	50	36
750 to 999 miles	9	13	14
1,000 to 1,499 miles	6	S	S
1,500 to 1,999 miles	35	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	3 614	140 018	26 075
Less than 50 miles	2 007	73 125	2 574
50 to 99 miles	441	18 942	2 073
100 to 249 miles	721	28 626	6 780
250 to 499 miles	205	8 959	4 252
500 to 749 miles	149	6 366	5 718
750 to 999 miles	92	4 000	4 678
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	41 370	159 152	9 085
Less than 50 miles	31 228	117 404	2 368
50 to 99 miles	4 199	14 903	1 273
100 to 249 miles	5 024	22 820	3 947
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	14 884	73 389	3 191
Less than 50 miles	11 785	57 099	951
50 to 99 miles	1 635	8 231	696
100 to 249 miles	1 332	7 319	1 171
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	12 420	77 688	9 112
Less than 50 miles	6 577	56 433	919
50 to 99 miles	1 026	4 753	431
100 to 249 miles	2 021	9 645	2 149
250 to 499 miles	1 508	3 625	1 893
500 to 749 miles	628	1 744	1 382
750 to 999 miles	228	427	465
1,000 to 1,499 miles	307	582	813
1,500 to 1,999 miles	122	S	S
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	14 795	30 463	7 283
Less than 50 miles	4 816	14 532	253
50 to 99 miles	1 119	2 923	284
100 to 249 miles	2 557	6 363	1 374
250 to 499 miles	3 063	3 359	1 584
500 to 749 miles	1 480	1 203	1 020
750 to 999 miles	708	1 327	1 482
1,000 to 1,499 miles	329	S	667
1,500 to 1,999 miles	581	179	407
2,000 miles or more	143	80	214
SCTG 21, Pharmaceutical products	34 612	1 060	473
Less than 50 miles	6 607	317	7
50 to 99 miles	3 462	108	11
100 to 249 miles	5 970	139	28
250 to 499 miles	8 014	183	80
500 to 749 miles	3 760	160	123
750 to 999 miles	3 424	67	68
1,000 to 1,499 miles	1 145	33	47
1,500 to 1,999 miles	2 119	49	106
2,000 miles or more	112	1	4
SCTG 22, Fertilizers	5 525	29 049	S
Less than 50 miles	3 393	17 774	361
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	48 650	24 374	12 437
Less than 50 miles	10 500	5 505	128
50 to 99 miles	2 950	1 752	167
100 to 249 miles	8 343	4 976	1 088
250 to 499 miles	9 999	5 014	2 258
500 to 749 miles	7 607	3 238	2 421
750 to 999 miles	3 655	1 588	1 709
1,000 to 1,499 miles	1 791	776	1 080
1,500 to 1,999 miles	3 320	1 265	2 884
2,000 miles or more	486	259	702
SCTG 24, Plastics and rubber	69 151	24 151	11 210
Less than 50 miles	16 346	5 585	149
50 to 99 miles	5 570	2 038	189
100 to 249 miles	12 788	4 390	940
250 to 499 miles	14 409	5 573	2 494
500 to 749 miles	9 425	3 570	2 769
750 to 999 miles	4 157	1 208	1 246
1,000 to 1,499 miles	2 884	767	1 124
1,500 to 1,999 miles	2 747	812	1 755
2,000 miles or more	824	207	543

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	598	6 540	1 124
Less than 50 miles	227	2 699	64
50 to 99 miles	131	2 549	244
100 to 249 miles	68	252	51
250 to 499 miles	110	S	S
500 to 749 miles	21	44	32
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	33	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	15 812	28 936	5 601
Less than 50 miles	6 126	13 329	382
50 to 99 miles	2 132	5 856	519
100 to 249 miles	2 899	5 520	1 111
250 to 499 miles	1 883	2 140	961
500 to 749 miles	1 224	997	740
750 to 999 miles	555	352	374
1,000 to 1,499 miles	349	209	298
1,500 to 1,999 miles	613	514	1 165
2,000 miles or more	32	20	51
SCTG 27, Pulp, newsprint, paper, and paperboard	21 990	37 304	15 089
Less than 50 miles	4 719	5 232	111
50 to 99 miles	1 993	S	S
100 to 249 miles	3 503	5 311	1 207
250 to 499 miles	4 861	5 386	2 610
500 to 749 miles	3 384	3 775	2 991
750 to 999 miles	1 828	2 776	2 967
1,000 to 1,499 miles	659	915	1 406
1,500 to 1,999 miles	958	1 205	2 601
2,000 miles or more	86	68	186
SCTG 28, Paper or paperboard articles	20 413	13 653	4 185
Less than 50 miles	6 787	5 675	152
50 to 99 miles	2 126	1 744	158
100 to 249 miles	3 115	2 361	474
250 to 499 miles	3 210	1 677	732
500 to 749 miles	2 128	933	724
750 to 999 miles	1 372	576	600
1,000 to 1,499 miles	585	236	351
1,500 to 1,999 miles	1 010	434	949
2,000 miles or more	78	18	45
SCTG 29, Printed products	47 151	15 478	5 241
Less than 50 miles	15 391	7 474	134
50 to 99 miles	2 924	1 065	97
100 to 249 miles	6 127	1 786	362
250 to 499 miles	7 049	1 706	792
500 to 749 miles	6 811	1 609	1 199
750 to 999 miles	3 485	666	686
1,000 to 1,499 miles	2 231	S	S
1,500 to 1,999 miles	2 864	404	866
2,000 miles or more	269	29	73
SCTG 30, Textiles, leather, and articles of textiles or leather	28 063	2 409	1 320
Less than 50 miles	4 299	457	11
50 to 99 miles	1 550	162	16
100 to 249 miles	5 673	665	143
250 to 499 miles	6 091	425	193
500 to 749 miles	4 504	226	168
750 to 999 miles	2 689	163	167
1,000 to 1,499 miles	1 220	79	106
1,500 to 1,999 miles	1 641	S	S
2,000 miles or more	399	22	58
SCTG 31, Nonmetallic mineral products	22 009	201 293	17 408
Less than 50 miles	7 200	S	S
50 to 99 miles	2 128	11 787	1 108
100 to 249 miles	4 152	14 663	3 084
250 to 499 miles	4 096	8 400	3 874
500 to 749 miles	1 748	2 102	1 670
750 to 999 miles	820	1 388	1 474
1,000 to 1,499 miles	631	572	804
1,500 to 1,999 miles	952	832	1 824
2,000 miles or more	282	179	482
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	105 842	161 382	41 954
Less than 50 miles	29 034	56 634	1 166
50 to 99 miles	12 232	21 562	2 000
100 to 249 miles	26 866	40 105	9 018
250 to 499 miles	21 317	26 280	11 406
500 to 749 miles	8 524	9 199	6 937
750 to 999 miles	3 634	4 082	4 733
1,000 to 1,499 miles	1 814	1 668	2 340
1,500 to 1,999 miles	1 996	1 441	3 290
2,000 miles or more	425	412	1 064

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	66 830	25 970	11 779
Less than 50 miles	16 338	6 560	167
50 to 99 miles	5 784	2 498	231
100 to 249 miles	12 071	4 967	1 032
250 to 499 miles	12 922	4 804	2 170
500 to 749 miles	8 807	3 196	2 368
750 to 999 miles	4 019	1 282	1 326
1,000 to 1,499 miles	3 120	1 921	2 806
1,500 to 1,999 miles	3 031	555	1 190
2,000 miles or more	737	188	489
SCTG 34, Machinery	137 220	20 645	10 063
Less than 50 miles	33 877	5 340	131
50 to 99 miles	11 256	1 909	193
100 to 249 miles	24 177	4 097	848
250 to 499 miles	24 618	3 469	1 554
500 to 749 miles	16 678	2 228	1 681
750 to 999 miles	9 411	1 266	1 356
1,000 to 1,499 miles	8 988	1 193	1 678
1,500 to 1,999 miles	7 307	943	2 114
2,000 miles or more	907	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	114 786	8 885	5 303
Less than 50 miles	29 130	2 049	44
50 to 99 miles	6 672	687	66
100 to 249 miles	16 578	1 377	289
250 to 499 miles	20 621	1 689	756
500 to 749 miles	16 007	1 052	775
750 to 999 miles	8 014	453	468
1,000 to 1,499 miles	8 428	796	1 210
1,500 to 1,999 miles	8 368	733	1 565
2,000 miles or more	968	49	131
SCTG 36, Motorized and other vehicles (including parts)	258 172	53 326	22 525
Less than 50 miles	57 246	14 908	331
50 to 99 miles	20 017	4 592	435
100 to 249 miles	52 584	12 378	2 886
250 to 499 miles	50 184	9 523	4 699
500 to 749 miles	33 267	5 617	4 365
750 to 999 miles	14 493	2 513	2 723
1,000 to 1,499 miles	16 599	2 259	3 433
1,500 to 1,999 miles	12 029	1 260	2 906
2,000 miles or more	1 752	276	746
SCTG 37, Transportation equipment, n.e.c.	10 387	1 334	637
Less than 50 miles	1 107	290	16
50 to 99 miles	561	41	4
100 to 249 miles	1 799	326	80
250 to 499 miles	2 110	277	123
500 to 749 miles	1 922	272	S
750 to 999 miles	1 064	65	67
1,000 to 1,499 miles	923	40	57
1,500 to 1,999 miles	776	19	41
2,000 miles or more	124	S	S
SCTG 38, Precision instruments and apparatus	21 500	343	200
Less than 50 miles	3 625	68	2
50 to 99 miles	1 521	39	4
100 to 249 miles	3 029	49	10
250 to 499 miles	3 379	59	28
500 to 749 miles	3 681	49	38
750 to 999 miles	2 360	27	28
1,000 to 1,499 miles	1 716	28	39
1,500 to 1,999 miles	1 738	20	42
2,000 miles or more	452	4	10
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	21 568	4 684	2 968
Less than 50 miles	5 649	1 213	33
50 to 99 miles	786	208	20
100 to 249 miles	2 905	626	134
250 to 499 miles	2 989	710	318
500 to 749 miles	3 958	784	583
750 to 999 miles	1 938	416	442
1,000 to 1,499 miles	1 685	294	418
1,500 to 1,999 miles	1 515	409	934
2,000 miles or more	S	24	S
SCTG 40, Miscellaneous manufactured products	79 031	17 049	8 378
Less than 50 miles	16 420	4 031	105
50 to 99 miles	7 371	1 938	195
100 to 249 miles	14 582	3 376	713
250 to 499 miles	13 747	2 906	1 236
500 to 749 miles	11 544	1 934	1 491
750 to 999 miles	6 196	979	994
1,000 to 1,499 miles	3 177	584	863
1,500 to 1,999 miles	5 247	1 211	2 557
2,000 miles or more	745	89	224

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	10 216	50 628	8 009
Less than 50 miles	3 920	24 693	726
50 to 99 miles	1 593	10 150	1 012
100 to 249 miles	2 739	9 227	2 077
250 to 499 miles	1 432	4 311	2 037
500 to 749 miles	353	1 571	1 255
750 to 999 miles	112	433	461
1,000 to 1,499 miles	36	160	244
1,500 to 1,999 miles	31	84	196
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	29 360	14 234	1 915
Less than 50 miles	13 021	6 389	190
50 to 99 miles	6 301	3 683	330
100 to 249 miles	6 115	3 082	560
250 to 499 miles	1 962	548	237
500 to 749 miles	861	253	188
750 to 999 miles	S	142	142
1,000 to 1,499 miles	187	40	54
1,500 to 1,999 miles	299	97	212
2,000 miles or more	S	S	S
Commodity unknown	7 776	7 924	932
Less than 50 miles	2 671	5 382	89
50 to 99 miles	888	1 064	93
100 to 249 miles	855	626	126
250 to 499 miles	1 441	497	220
500 to 749 miles	890	162	120
750 to 999 miles	419	100	112
1,000 to 1,499 miles	285	53	81
1,500 to 1,999 miles	269	29	61
2,000 miles or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 462 475	2 140 708	423 366
Less than 50 lb	129 496	4 223	1 744
50 to 99 lb	40 650	2 605	773
100 to 499 lb	124 509	15 279	3 726
500 to 749 lb	41 765	7 568	2 011
750 to 999 lb	29 162	6 122	1 303
1,000 to 9,999 lb	346 918	133 894	30 572
10,000 to 49,999 lb	561 573	882 026	156 114
50,000 to 99,999 lb	98 306	402 172	31 969
100,000 lb or more	90 096	686 819	195 155
SCTG 01, Live animals and live fish	1 742	1 702	381
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	—	—	—
750 to 999 lb	—	—	—
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	1 133	1 139	267
50,000 to 99,999 lb	346	327	64
100,000 lb or more	54	42	9
SCTG 02, Cereal grains	13 858	118 378	54 623
Less than 50 lb	—	—	—
50 to 99 lb	S	2	—
100 to 499 lb	8	34	1
500 to 749 lb	S	21	1
750 to 999 lb	7	25	1
1,000 to 9,999 lb	148	811	47
10,000 to 49,999 lb	2 563	7 937	1 072
50,000 to 99,999 lb	4 609	43 697	1 886
100,000 lb or more	6 513	65 850	51 616
SCTG 03, Other agricultural products	18 646	49 403	19 752
Less than 50 lb	945	100	43
50 to 99 lb	166	S	2
100 to 499 lb	615	292	19
500 to 749 lb	262	209	14
750 to 999 lb	171	148	12
1,000 to 9,999 lb	2 726	3 525	402
10,000 to 49,999 lb	4 703	8 795	1 183
50,000 to 99,999 lb	3 698	14 507	718
100,000 lb or more	5 358	21 785	17 360
SCTG 04, Animal feed and products of animal origin, n.e.c.	13 348	37 237	13 331
Less than 50 lb	14	7	1
50 to 99 lb	29	22	1
100 to 499 lb	179	217	10
500 to 749 lb	149	197	10
750 to 999 lb	81	104	6
1,000 to 9,999 lb	1 892	4 468	282
10,000 to 49,999 lb	7 624	17 394	4 445
50,000 to 99,999 lb	1 149	5 256	1 157
100,000 lb or more	2 232	9 573	7 421
SCTG 05, Meat, fish, seafood, and their preparations	25 637	10 210	4 193
Less than 50 lb	175	25	4
50 to 99 lb	293	55	3
100 to 499 lb	1 649	479	29
500 to 749 lb	733	280	25
750 to 999 lb	577	217	25
1,000 to 9,999 lb	8 013	3 160	792
10,000 to 49,999 lb	13 568	5 649	3 201
50,000 to 99,999 lb	171	72	38
100,000 lb or more	459	273	S
SCTG 06, Milled grain products and preparations, and bakery products	25 036	24 034	12 458
Less than 50 lb	375	123	9
50 to 99 lb	263	108	3
100 to 499 lb	1 144	468	24
500 to 749 lb	521	208	18
750 to 999 lb	357	139	21
1,000 to 9,999 lb	4 818	2 467	728
10,000 to 49,999 lb	15 617	11 938	6 466
50,000 to 99,999 lb	554	1 861	317
100,000 lb or more	1 387	6 721	4 872
SCTG 07, Other prepared foodstuffs and fats and oils	78 660	88 479	30 361
Less than 50 lb	465	69	13
50 to 99 lb	475	131	9
100 to 499 lb	2 582	1 390	99
500 to 749 lb	1 231	855	72
750 to 999 lb	1 039	716	67
1,000 to 9,999 lb	14 958	11 278	1 772
10,000 to 49,999 lb	49 944	50 381	16 589
50,000 to 99,999 lb	3 270	9 624	1 335
100,000 lb or more	4 696	14 036	10 405

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	10 756	10 409	1 632
Less than 50 lb	120	24	1
50 to 99 lb	215	62	2
100 to 499 lb	1 554	826	18
500 to 749 lb	665	464	9
750 to 999 lb	535	386	8
1,000 to 9,999 lb	3 831	3 411	80
10,000 to 49,999 lb	2 772	3 214	827
50,000 to 99,999 lb	533	1 219	173
100,000 lb or more	531	802	S
SCTG 09, Tobacco products	5 094	254	54
Less than 50 lb	572	15	1
50 to 99 lb	561	15	2
100 to 499 lb	2 123	73	12
500 to 749 lb	430	20	5
750 to 999 lb	270	18	2
1,000 to 9,999 lb	1 096	92	30
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	273	2 556	152
Less than 50 lb	1	—	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	10	7	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	78	S
10,000 to 49,999 lb	93	S	99
50,000 to 99,999 lb	26	432	21
100,000 lb or more	S	S	S
SCTG 11, Natural sands	876	90 960	6 073
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	5	—
500 to 749 lb	S	8	—
750 to 999 lb	S	2	—
1,000 to 9,999 lb	81	385	12
10,000 to 49,999 lb	399	40 537	2 265
50,000 to 99,999 lb	203	26 270	1 248
100,000 lb or more	167	23 752	2 548
SCTG 12, Gravel and crushed stone	2 117	403 496	24 084
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	4	S
500 to 749 lb	S	4	—
750 to 999 lb	S	S	—
1,000 to 9,999 lb	S	1 919	32
10,000 to 49,999 lb	1 255	245 947	7 715
50,000 to 99,999 lb	332	58 037	1 782
100,000 lb or more	467	97 578	14 554
SCTG 13, Nonmetallic minerals n.e.c.	1 505	56 699	5 642
Less than 50 lb	16	1	S
50 to 99 lb	2	3	S
100 to 499 lb	38	20	1
500 to 749 lb	6	9	1
750 to 999 lb	S	S	S
1,000 to 9,999 lb	194	670	67
10,000 to 49,999 lb	824	33 015	1 595
50,000 to 99,999 lb	138	9 754	616
100,000 lb or more	281	13 220	3 361
SCTG 14, Metallic ores and concentrates	1 182	15 530	3 334
Less than 50 lb	S	S	S
50 to 99 lb	2	—	—
100 to 499 lb	14	1	—
500 to 749 lb	18	2	—
750 to 999 lb	4	1	—
1,000 to 9,999 lb	168	30	10
10,000 to 49,999 lb	388	338	117
50,000 to 99,999 lb	S	44	6
100,000 lb or more	552	15 114	3 200
SCTG 15, Coal	3 614	140 018	26 075
Less than 50 lb	—	—	—
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	14	S
10,000 to 49,999 lb	265	9 753	538
50,000 to 99,999 lb	669	20 370	1 570
100,000 lb or more	2 645	109 875	23 966

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	41 370	159 152	9 085
Less than 50 lb	S	4	—
50 to 99 lb	3	6	S
100 to 499 lb	28	65	1
500 to 749 lb	25	52	1
750 to 999 lb	32	85	1
1,000 to 9,999 lb	1 844	3 430	130
10,000 to 49,999 lb	5 958	22 779	1 250
50,000 to 99,999 lb	21 855	79 454	3 583
100,000 lb or more	11 622	53 278	4 118
SCTG 18, Fuel oils	14 884	73 389	3 191
Less than 50 lb	1	1	—
50 to 99 lb	2	6	—
100 to 499 lb	64	151	3
500 to 749 lb	51	168	2
750 to 999 lb	93	313	4
1,000 to 9,999 lb	1 911	5 812	117
10,000 to 49,999 lb	2 536	10 507	533
50,000 to 99,999 lb	4 838	24 299	1 486
100,000 lb or more	5 388	32 131	1 046
SCTG 19, Coal and petroleum products, n.e.c.	12 420	77 688	9 112
Less than 50 lb	76	16	2
50 to 99 lb	37	15	2
100 to 499 lb	446	241	15
500 to 749 lb	126	140	7
750 to 999 lb	192	260	15
1,000 to 9,999 lb	2 319	3 401	320
10,000 to 49,999 lb	4 241	29 745	2 628
50,000 to 99,999 lb	1 331	12 831	976
100,000 lb or more	3 653	31 041	5 148
SCTG 20, Basic chemicals	14 795	30 463	7 283
Less than 50 lb	806	29	6
50 to 99 lb	195	52	6
100 to 499 lb	1 079	756	39
500 to 749 lb	353	221	34
750 to 999 lb	352	167	11
1,000 to 9,999 lb	3 008	2 663	293
10,000 to 49,999 lb	6 654	14 141	2 847
50,000 to 99,999 lb	583	2 399	363
100,000 lb or more	1 766	10 035	3 684
SCTG 21, Pharmaceutical products	34 612	1 060	473
Less than 50 lb	8 739	88	34
50 to 99 lb	2 743	40	11
100 to 499 lb	6 790	122	36
500 to 749 lb	2 521	37	17
750 to 999 lb	1 445	26	10
1,000 to 9,999 lb	8 490	342	175
10,000 to 49,999 lb	3 865	362	175
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	5 525	29 049	S
Less than 50 lb	S	S	S
50 to 99 lb	S	2	S
100 to 499 lb	21	25	1
500 to 749 lb	12	16	1
750 to 999 lb	13	25	1
1,000 to 9,999 lb	894	3 273	61
10,000 to 49,999 lb	2 502	12 928	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	48 650	24 374	12 437
Less than 50 lb	2 367	115	32
50 to 99 lb	1 113	102	28
100 to 499 lb	3 450	516	145
500 to 749 lb	1 817	232	60
750 to 999 lb	1 158	212	60
1,000 to 9,999 lb	9 188	3 276	1 177
10,000 to 49,999 lb	28 137	17 672	9 551
50,000 to 99,999 lb	333	508	154
100,000 lb or more	1 087	1 740	1 230
SCTG 24, Plastics and rubber	69 151	24 151	11 210
Less than 50 lb	4 652	233	121
50 to 99 lb	2 101	202	78
100 to 499 lb	7 823	1 024	367
500 to 749 lb	2 832	436	179
750 to 999 lb	2 098	395	152
1,000 to 9,999 lb	23 410	7 053	2 718
10,000 to 49,999 lb	24 278	12 363	6 187
50,000 to 99,999 lb	320	265	129
100,000 lb or more	1 638	2 179	1 281

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	598	6 540	1 124
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	59	36	4
10,000 to 49,999 lb	231	1 823	232
50,000 to 99,999 lb	130	2 934	268
100,000 lb or more	106	1 744	619
SCTG 26, Wood products	15 812	28 936	5 601
Less than 50 lb	178	16	5
50 to 99 lb	153	25	6
100 to 499 lb	1 121	221	41
500 to 749 lb	520	130	26
750 to 999 lb	368	116	23
1,000 to 9,999 lb	4 930	5 815	583
10,000 to 49,999 lb	7 176	14 221	3 234
50,000 to 99,999 lb	960	5 659	875
100,000 lb or more	408	2 734	808
SCTG 27, Pulp, newsprint, paper, and paperboard	21 990	37 304	15 089
Less than 50 lb	419	46	15
50 to 99 lb	225	44	10
100 to 499 lb	1 139	323	65
500 to 749 lb	476	198	43
750 to 999 lb	377	126	24
1,000 to 9,999 lb	3 878	2 508	642
10,000 to 49,999 lb	12 515	18 419	10 369
50,000 to 99,999 lb	544	1 380	989
100,000 lb or more	2 417	S	2 932
SCTG 28, Paper or paperboard articles	20 413	13 653	4 185
Less than 50 lb	1 285	86	31
50 to 99 lb	457	72	16
100 to 499 lb	1 481	395	68
500 to 749 lb	580	205	59
750 to 999 lb	381	165	30
1,000 to 9,999 lb	5 694	3 602	742
10,000 to 49,999 lb	10 392	8 851	3 169
50,000 to 99,999 lb	75	127	46
100,000 lb or more	69	149	S
SCTG 29, Printed products	47 151	15 478	5 241
Less than 50 lb	9 142	862	270
50 to 99 lb	2 843	375	88
100 to 499 lb	6 629	1 096	255
500 to 749 lb	1 736	388	98
750 to 999 lb	1 286	280	78
1,000 to 9,999 lb	12 576	6 313	2 240
10,000 to 49,999 lb	12 380	5 442	1 960
50,000 to 99,999 lb	219	157	34
100,000 lb or more	341	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	28 063	2 409	1 320
Less than 50 lb	7 954	231	171
50 to 99 lb	1 730	79	41
100 to 499 lb	3 408	275	99
500 to 749 lb	888	110	30
750 to 999 lb	584	68	22
1,000 to 9,999 lb	7 417	796	334
10,000 to 49,999 lb	5 970	807	S
50,000 to 99,999 lb	S	9	8
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	22 009	201 293	17 408
Less than 50 lb	1 107	69	40
50 to 99 lb	304	40	18
100 to 499 lb	1 103	275	65
500 to 749 lb	317	157	25
750 to 999 lb	195	74	14
1,000 to 9,999 lb	3 668	7 478	662
10,000 to 49,999 lb	12 552	74 659	7 592
50,000 to 99,999 lb	1 615	29 139	2 368
100,000 lb or more	1 148	S	6 624
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	105 842	161 382	41 954
Less than 50 lb	1 219	56	12
50 to 99 lb	757	75	15
100 to 499 lb	3 532	654	122
500 to 749 lb	1 454	422	83
750 to 999 lb	1 354	402	89
1,000 to 9,999 lb	17 280	10 788	2 302
10,000 to 49,999 lb	60 042	91 750	22 238
50,000 to 99,999 lb	8 540	25 073	2 703
100,000 lb or more	11 664	32 161	14 390

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	66 830	25 970	11 779
Less than 50 lb	8 813	279	151
50 to 99 lb	3 694	213	97
100 to 499 lb	9 434	1 012	417
500 to 749 lb	3 185	443	137
750 to 999 lb	2 051	324	115
1,000 to 9,999 lb	18 486	6 544	2 325
10,000 to 49,999 lb	19 170	14 274	5 730
50,000 to 99,999 lb	827	890	453
100,000 lb or more	1 169	1 992	2 353
SCTG 34, Machinery	137 220	20 645	10 063
Less than 50 lb	16 054	309	121
50 to 99 lb	4 200	145	51
100 to 499 lb	14 448	914	375
500 to 749 lb	6 278	518	S
750 to 999 lb	2 641	220	109
1,000 to 9,999 lb	29 951	4 217	1 773
10,000 to 49,999 lb	54 174	11 817	5 601
50,000 to 99,999 lb	5 720	1 441	716
100,000 lb or more	3 755	1 064	820
SCTG 35, Electronic and other electrical equipment and components and office equipment	114 786	8 885	5 303
Less than 50 lb	24 708	345	147
50 to 99 lb	8 184	187	74
100 to 499 lb	19 417	803	336
500 to 749 lb	3 873	261	130
750 to 999 lb	3 253	159	75
1,000 to 9,999 lb	28 521	2 309	1 162
10,000 to 49,999 lb	26 098	4 611	3 186
50,000 to 99,999 lb	516	141	145
100,000 lb or more	215	68	47
SCTG 36, Motorized and other vehicles (including parts)	258 172	53 326	22 525
Less than 50 lb	7 999	421	135
50 to 99 lb	2 724	171	68
100 to 499 lb	11 506	728	263
500 to 749 lb	4 230	355	137
750 to 999 lb	3 445	300	107
1,000 to 9,999 lb	81 930	10 596	4 881
10,000 to 49,999 lb	103 270	29 136	10 764
50,000 to 99,999 lb	30 327	6 373	3 812
100,000 lb or more	12 740	5 245	2 358
SCTG 37, Transportation equipment, n.e.c.	10 387	1 334	637
Less than 50 lb	2 653	6	5
50 to 99 lb	704	3	2
100 to 499 lb	2 251	18	12
500 to 749 lb	156	7	3
750 to 999 lb	161	7	3
1,000 to 9,999 lb	1 592	145	75
10,000 to 49,999 lb	2 023	522	273
50,000 to 99,999 lb	S	S	S
100,000 lb or more	627	513	S
SCTG 38, Precision instruments and apparatus	21 500	343	200
Less than 50 lb	9 651	61	42
50 to 99 lb	1 775	20	12
100 to 499 lb	4 793	74	43
500 to 749 lb	888	17	8
750 to 999 lb	593	17	7
1,000 to 9,999 lb	3 025	100	50
10,000 to 49,999 lb	752	53	38
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	21 568	4 684	2 968
Less than 50 lb	761	36	17
50 to 99 lb	461	47	22
100 to 499 lb	2 301	326	194
500 to 749 lb	1 012	152	84
750 to 999 lb	883	123	62
1,000 to 9,999 lb	7 927	1 413	844
10,000 to 49,999 lb	8 031	2 393	1 429
50,000 to 99,999 lb	119	S	S
100,000 lb or more	72	39	5
SCTG 40, Miscellaneous manufactured products	79 031	17 049	8 378
Less than 50 lb	15 639	404	256
50 to 99 lb	3 660	181	95
100 to 499 lb	10 169	961	495
500 to 749 lb	3 351	351	165
750 to 999 lb	2 546	284	121
1,000 to 9,999 lb	20 403	4 291	1 966
10,000 to 49,999 lb	21 865	8 507	3 677
50,000 to 99,999 lb	976	1 060	S
100,000 lb or more	421	S	S

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	10 216	50 628	8 009
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	2	S
1,000 to 9,999 lb	366	419	34
10,000 to 49,999 lb	6 456	24 727	3 414
50,000 to 99,999 lb	1 211	9 419	867
100,000 lb or more	2 165	16 058	3 693
SCTG 43, Mixed freight	29 360	14 234	1 915
Less than 50 lb	1 425	110	S
50 to 99 lb	360	51	7
100 to 499 lb	1 603	395	37
500 to 749 lb	671	228	21
750 to 999 lb	441	165	17
1,000 to 9,999 lb	8 314	4 028	529
10,000 to 49,999 lb	16 418	9 142	1 209
50,000 to 99,999 lb	S	94	S
100,000 lb or more	S	S	S
Commodity unknown	7 776	7 924	932
Less than 50 lb	1 069	29	15
50 to 99 lb	204	9	4
100 to 499 lb	460	63	16
500 to 749 lb	361	33	8
750 to 999 lb	153	28	6
1,000 to 9,999 lb	1 584	748	126
10,000 to 49,999 lb	2 694	2 903	479
50,000 to 99,999 lb	279	1 369	51
100,000 lb or more	S	2 741	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 462 475	2 140 708	423 366	425	419 619	1 276 818	28 834	130 965	203 961	18 878
Less than 50 lb	129 496	4 223	1 744	502	35 356	1 875	33	8 433	265	24
50 to 99 lb	40 650	2 605	773	293	13 758	1 397	27	3 144	211	19
100 to 499 lb	124 509	15 279	3 726	247	41 305	8 843	182	10 336	1 381	125
500 to 749 lb	41 765	7 568	2 011	264	13 686	4 281	91	3 609	752	69
750 to 999 lb	29 162	6 122	1 303	213	8 857	3 541	71	3 148	647	58
1,000 to 9,999 lb	346 918	133 894	30 572	232	102 977	74 292	1 510	31 782	12 994	1 174
10,000 to 49,999 lb	561 573	882 026	156 114	183	132 442	550 068	11 950	55 013	76 052	6 876
50,000 to 99,999 lb	98 306	402 172	31 969	78	43 615	294 083	7 491	10 527	55 793	4 990
100,000 lb or more	90 096	686 819	195 155	234	27 623	338 438	7 478	4 973	55 865	5 543
SCTG 01, Live animals and live fish	1 742	1 702	381	444	175	211	7	287	277	28
Less than 50 lb	S	S	S	649	S	S	S	S	S	S
50 to 99 lb	S	S	S	47	S	S	S	S	S	S
100 to 499 lb	S	S	S	49	S	S	S	S	S	S
500 to 749 lb	—	—	—	56	—	—	—	—	—	—
750 to 999 lb	—	—	—	41	S	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	211	33	44	1	12	13	1
10,000 to 49,999 lb	1 133	1 139	267	216	100	136	5	184	183	18
50,000 to 99,999 lb	346	327	64	199	24	23	1	S	S	S
100,000 lb or more	54	42	9	227	S	S	S	S	S	S
SCTG 02, Cereal grains	13 858	118 378	54 623	79	5 382	49 992	1 349	1 119	9 779	934
Less than 50 lb	—	—	—	S	—	—	—	S	S	S
50 to 99 lb	S	2	—	S	S	2	—	S	S	—
100 to 499 lb	8	34	1	S	7	33	—	S	1	—
500 to 749 lb	S	21	1	S	4	18	—	S	S	—
750 to 999 lb	7	25	1	S	S	23	S	S	S	S
1,000 to 9,999 lb	148	811	47	56	109	711	9	6	24	2
10,000 to 49,999 lb	2 563	7 937	1 072	140	709	5 293	109	166	1 191	94
50,000 to 99,999 lb	4 609	43 697	1 886	43	3 741	36 449	1 009	650	5 848	555
100,000 lb or more	6 513	65 850	51 616	604	803	7 463	220	292	2 712	283
SCTG 03, Other agricultural products	18 646	49 403	19 752	641	8 602	23 316	647	2 636	5 637	521
Less than 50 lb	945	100	43	701	281	S	S	62	6	1
50 to 99 lb	166	S	2	S	115	S	S	9	2	—
100 to 499 lb	615	292	19	65	375	215	5	76	45	4
500 to 749 lb	262	209	14	66	132	130	3	91	63	6
750 to 999 lb	171	148	12	79	81	81	1	43	35	3
1,000 to 9,999 lb	2 726	3 525	402	104	1 354	1 934	45	500	S	65
10,000 to 49,999 lb	4 703	8 795	1 183	137	2 387	5 233	113	1 063	1 492	133
50,000 to 99,999 lb	3 698	14 507	718	48	2 827	11 459	346	622	2 440	216
100,000 lb or more	5 358	21 785	17 360	625	1 050	S	133	171	726	93
SCTG 04, Animal feed and products of animal origin, n.e.c.	13 348	37 237	13 331	106	4 089	15 323	309	1 554	2 745	252
Less than 50 lb	14	7	1	340	6	5	—	S	S	S
50 to 99 lb	29	22	1	28	19	21	—	S	1	—
100 to 499 lb	179	217	10	41	109	191	2	S	5	—
500 to 749 lb	149	197	10	46	78	167	2	S	7	—
750 to 999 lb	81	104	6	55	36	81	1	S	8	1
1,000 to 9,999 lb	1 892	4 468	282	58	1 052	3 690	56	S	189	18
10,000 to 49,999 lb	7 624	17 394	4 445	183	2 281	8 572	178	1 008	1 457	135
50,000 to 99,999 lb	1 149	5 256	1 157	225	478	2 321	63	148	726	59
100,000 lb or more	2 232	9 573	7 421	703	S	273	S	82	352	38
SCTG 05, Meat, fish, seafood, and their preparations	25 637	10 210	4 193	156	7 404	2 939	64	3 080	1 391	127
Less than 50 lb	175	25	4	297	102	18	—	16	2	—
50 to 99 lb	293	55	3	56	219	42	1	S	7	1
100 to 499 lb	1 649	479	29	56	1 202	358	7	292	77	7
500 to 749 lb	733	280	25	89	409	169	4	170	64	6
750 to 999 lb	577	217	25	114	317	129	3	89	40	4
1,000 to 9,999 lb	8 013	3 160	792	208	2 811	1 184	29	1 368	672	62
10,000 to 49,999 lb	13 568	5 649	3 201	521	1 993	823	19	1 085	523	47
50,000 to 99,999 lb	171	72	38	533	S	S	S	—	—	—
100,000 lb or more	459	273	S	350	300	200	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	25 036	24 034	12 458	211	5 701	4 551	135	2 266	1 969	179
Less than 50 lb	375	123	9	277	280	113	2	15	4	—
50 to 99 lb	263	108	3	32	231	99	2	20	5	1
100 to 499 lb	1 144	468	24	48	882	374	8	148	57	5
500 to 749 lb	521	208	18	84	363	136	3	83	34	3
750 to 999 lb	357	139	21	148	177	66	2	90	31	3
1,000 to 9,999 lb	4 818	2 467	728	255	1 366	692	18	852	463	42
10,000 to 49,999 lb	15 617	11 938	6 466	528	2 002	1 794	45	952	1 149	103
50,000 to 99,999 lb	554	1 861	317	171	S	S	S	43	119	11
100,000 lb or more	1 387	6 721	4 872	743	148	386	8	S	S	12

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	78 660	88 479	30 361	220	24 304	30 507	730	8 918	11 930	1 101
Less than 50 lb	465	69	13	534	261	51	1	27	5	—
50 to 99 lb	475	131	9	70	333	103	2	59	17	1
100 to 499 lb	2 582	1 390	99	67	1 623	1 093	26	335	157	14
500 to 749 lb	1 231	855	72	83	745	646	15	156	103	9
750 to 999 lb	1 039	716	67	94	611	529	12	137	104	9
1,000 to 9,999 lb	14 958	11 278	1 772	144	6 474	6 932	162	1 917	1 599	146
10,000 to 49,999 lb	49 944	50 381	16 589	302	12 145	15 402	373	5 391	6 590	630
50,000 to 99,999 lb	3 270	9 624	1 335	136	1 339	3 977	115	790	2 835	240
100,000 lb or more	4 696	14 036	10 405	800	774	1 775	22	107	521	52
SCTG 08, Alcoholic beverages	10 756	10 409	1 632	27	7 543	6 388	111	779	831	70
Less than 50 lb	120	24	1	36	99	21	—	16	2	—
50 to 99 lb	215	62	2	27	183	56	1	25	4	—
100 to 499 lb	1 554	826	18	23	1 403	784	13	110	35	3
500 to 749 lb	665	464	9	20	620	451	8	35	11	1
750 to 999 lb	535	386	8	22	496	369	6	31	14	1
1,000 to 9,999 lb	3 831	3 411	80	22	3 607	3 275	59	123	90	7
10,000 to 49,999 lb	2 772	3 214	827	186	823	984	16	228	274	24
50,000 to 99,999 lb	533	1 219	173	144	125	262	3	S	S	S
100,000 lb or more	531	802	S	791	188	186	4	S	S	S
SCTG 09, Tobacco products	5 094	254	54	100	2 719	135	4	775	45	4
Less than 50 lb	572	15	1	67	398	11	—	103	3	—
50 to 99 lb	561	15	2	120	393	12	—	78	1	—
100 to 499 lb	2 123	73	12	148	1 208	42	1	385	12	1
500 to 749 lb	430	20	5	263	165	7	—	84	5	—
750 to 999 lb	270	18	2	118	145	8	S	36	4	—
1,000 to 9,999 lb	1 096	92	30	234	374	38	1	83	16	S
10,000 to 49,999 lb	S	S	S	53	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	273	2 556	152	73	S	2 249	33	S	34	3
Less than 50 lb	1	—	S	201	1	S	S	S	S	S
50 to 99 lb	S	S	S	71	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	10	7	S	144	S	S	S	S	S	S
750 to 999 lb	S	S	S	141	S	S	S	S	S	S
1,000 to 9,999 lb	S	78	S	150	S	S	S	S	S	S
10,000 to 49,999 lb	93	S	99	S	S	S	S	2	23	2
50,000 to 99,999 lb	26	432	21	S	S	396	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	—	—	—
SCTG 11, Natural sands	876	90 960	6 073	53	603	77 861	1 975	76	5 347	492
Less than 50 lb	S	S	S	522	S	S	S	—	—	—
50 to 99 lb	—	—	—	37	S	—	S	S	S	S
100 to 499 lb	S	5	—	S	S	5	—	S	S	S
500 to 749 lb	S	8	—	S	S	8	—	S	—	—
750 to 999 lb	S	2	—	S	S	2	S	S	S	S
1,000 to 9,999 lb	81	385	12	35	S	359	5	S	13	1
10,000 to 49,999 lb	399	40 537	2 265	52	298	36 741	S	22	1 448	123
50,000 to 99,999 lb	203	26 270	1 248	48	135	21 796	549	35	2 688	247
100,000 lb or more	167	23 752	2 548	140	86	S	S	9	1 197	120
SCTG 12, Gravel and crushed stone	2 117	403 496	24 084	30	1 783	341 607	7 488	96	18 323	1 609
Less than 50 lb	S	S	S	13	S	S	S	—	—	—
50 to 99 lb	S	S	S	17	S	S	S	S	S	S
100 to 499 lb	S	4	S	124	S	4	—	S	S	S
500 to 749 lb	S	4	—	40	S	3	—	S	S	S
750 to 999 lb	S	S	—	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	1 919	32	16	S	1 882	22	S	S	S
10,000 to 49,999 lb	1 255	245 947	7 715	30	1 141	233 101	5 294	43	8 001	649
50,000 to 99,999 lb	332	58 037	1 782	31	296	53 070	1 160	20	3 704	322
100,000 lb or more	467	97 578	14 554	46	285	53 540	1 013	32	6 592	636
SCTG 13, Nonmetallic minerals n.e.c.	1 505	56 699	5 642	97	627	40 070	810	234	4 378	382
Less than 50 lb	16	1	S	630	7	1	—	S	S	S
50 to 99 lb	2	3	S	S	1	3	—	S	S	S
100 to 499 lb	38	20	S	S	S	19	—	S	1	—
500 to 749 lb	6	9	1	S	3	7	—	S	S	S
750 to 999 lb	S	S	S	107	S	3	—	—	—	—
1,000 to 9,999 lb	194	670	67	108	65	439	7	74	110	11
10,000 to 49,999 lb	824	33 015	1 595	S	393	28 833	499	94	1 194	105
50,000 to 99,999 lb	138	9 754	616	66	62	7 225	222	35	1 550	126
100,000 lb or more	281	13 220	3 361	156	67	3 541	81	21	1 523	140

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	1 182	15 530	3 334	362	477	10 101	522	S	49	4
Less than 50 lb	S	S	S	433	2	—	—	S	S	S
50 to 99 lb	2	—	—	271	S	—	—	S	S	S
100 to 499 lb	14	1	—	295	5	1	—	S	—	—
500 to 749 lb	18	2	—	S	11	1	—	S	S	—
750 to 999 lb	4	1	—	220	S	S	S	S	S	S
1,000 to 9,999 lb	168	30	10	272	46	14	—	S	3	—
10,000 to 49,999 lb	388	338	117	348	99	66	1	S	36	3
50,000 to 99,999 lb	S	44	6	142	S	S	S	S	S	S
100,000 lb or more	552	15 114	3 200	237	295	10 002	520	—	—	—
SCTG 15, Coal	3 614	140 018	26 075	74	2 007	73 125	2 574	441	18 942	2 073
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	44	S	S	S	S	S	—
500 to 749 lb	S	S	S	79	S	S	S	S	S	S
750 to 999 lb	S	S	S	4	S	S	S	—	—	—
1,000 to 9,999 lb	S	14	S	105	S	11	—	—	—	—
10,000 to 49,999 lb	265	9 753	538	55	194	7 673	236	38	1 180	107
50,000 to 99,999 lb	669	20 370	1 570	78	442	14 817	556	52	S	S
100,000 lb or more	2 645	109 875	23 966	179	1 346	50 620	1 782	348	15 400	1 734
SCTG 17, Gasoline and aviation turbine fuel	41 370	159 152	9 085	37	31 228	117 404	2 368	4 199	14 903	1 273
Less than 50 lb	S	4	—	S	S	4	—	S	S	S
50 to 99 lb	3	6	S	22	2	6	—	S	S	S
100 to 499 lb	28	65	1	12	28	64	1	S	S	S
500 to 749 lb	25	52	1	17	24	51	1	S	S	S
750 to 999 lb	32	85	1	16	32	84	1	S	S	S
1,000 to 9,999 lb	1 844	3 430	130	31	1 635	3 004	71	152	233	20
10,000 to 49,999 lb	5 958	22 779	1 250	53	4 523	16 737	383	760	3 174	268
50,000 to 99,999 lb	21 855	79 454	3 583	46	18 113	64 468	1 618	2 243	9 150	779
100,000 lb or more	11 622	53 278	4 118	37	6 868	32 986	294	S	2 345	206
SCTG 18, Fuel oils	14 884	73 389	3 191	24	11 785	57 099	951	1 635	8 231	696
Less than 50 lb	1	1	—	S	1	1	—	S	S	S
50 to 99 lb	2	6	—	13	2	6	—	S	S	S
100 to 499 lb	64	151	3	18	62	146	2	2	S	—
500 to 749 lb	51	168	2	14	51	167	2	—	—	—
750 to 999 lb	93	313	4	13	92	311	4	S	S	S
1,000 to 9,999 lb	1 911	5 812	117	17	1 784	5 533	81	93	149	12
10,000 to 49,999 lb	2 536	10 507	533	43	2 076	8 175	170	268	1 252	122
50,000 to 99,999 lb	4 838	24 299	1 486	63	3 480	17 133	400	799	4 267	361
100,000 lb or more	5 388	32 131	1 046	31	4 238	25 626	291	472	2 555	200
SCTG 19, Coal and petroleum products, n.e.c.	12 420	77 688	9 112	86	6 577	56 433	919	1 026	4 753	431
Less than 50 lb	76	16	2	149	51	13	—	5	1	—
50 to 99 lb	37	15	2	107	23	11	—	3	1	S
100 to 499 lb	446	241	15	56	365	214	4	24	11	1
500 to 749 lb	126	140	7	50	85	121	2	S	S	S
750 to 999 lb	192	260	15	57	132	223	4	S	S	S
1,000 to 9,999 lb	2 319	3 401	320	70	1 322	2 619	51	190	158	14
10,000 to 49,999 lb	4 241	29 745	2 628	84	1 943	22 043	345	519	2 157	196
50,000 to 99,999 lb	1 331	12 831	976	78	687	9 454	S	169	1 150	106
100,000 lb or more	3 653	31 041	5 148	360	1 969	21 737	244	78	1 244	110
SCTG 20, Basic chemicals ..	14 795	30 463	7 283	151	4 816	14 532	253	1 119	2 923	284
Less than 50 lb	806	29	6	326	262	19	—	90	2	—
50 to 99 lb	195	52	6	S	74	44	1	6	1	—
100 to 499 lb	1 079	756	39	S	607	696	S	70	17	2
500 to 749 lb	353	221	34	156	128	173	4	33	11	1
750 to 999 lb	352	167	11	S	82	144	3	10	5	—
1,000 to 9,999 lb	3 008	2 663	293	100	1 172	1 846	42	276	265	25
10,000 to 49,999 lb	6 654	14 141	2 847	203	1 933	6 056	155	515	2 188	208
50,000 to 99,999 lb	583	2 399	363	145	202	1 335	21	68	303	29
100,000 lb or more	1 766	10 035	3 684	470	S	S	13	S	S	S
SCTG 21, Pharmaceutical products	34 612	1 060	473	528	6 607	317	7	3 462	108	11
Less than 50 lb	8 739	88	34	546	1 649	26	1	944	11	1
50 to 99 lb	2 743	40	11	281	652	14	—	352	7	1
100 to 499 lb	6 790	122	36	294	1 295	40	1	670	20	2
500 to 749 lb	2 521	37	17	455	88	6	—	S	5	—
750 to 999 lb	1 445	26	10	402	96	7	—	S	2	—
1,000 to 9,999 lb	8 490	342	175	453	1 353	75	2	749	43	4
10,000 to 49,999 lb	3 865	362	175	498	1 465	148	2	S	13	1
50,000 to 99,999 lb	S	S	S	71	S	S	S	S	S	S
100,000 lb or more	S	S	S	381	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	5 525	29 049	S	143	3 393	17 774	361	S	S	S
Less than 50 lb	S	S	S	896	S	—	S	S	S	S
50 to 99 lb	S	2	S	280	S	2	—	S	—	—
100 to 499 lb	21	25	1	S	12	21	—	S	S	S
500 to 749 lb	12	16	1	S	8	S	S	1	1	—
750 to 999 lb	13	25	1	S	9	22	—	S	S	S
1,000 to 9,999 lb	894	3 273	61	21	813	3 152	36	35	76	8
10,000 to 49,999 lb	2 502	12 928	S	77	1 594	8 446	187	S	S	S
50,000 to 99,999 lb	S	S	S	56	S	S	S	S	S	S
100,000 lb or more	S	S	S	298	297	2 010	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	48 650	24 374	12 437	288	10 500	5 505	128	2 950	1 752	167
Less than 50 lb	2 367	115	32	273	842	49	1	278	11	1
50 to 99 lb	1 113	102	28	269	477	51	1	141	12	1
100 to 499 lb	3 450	516	145	278	1 429	238	5	377	52	5
500 to 749 lb	1 817	232	60	258	S	104	2	112	23	3
750 to 999 lb	1 158	212	60	279	S	94	3	66	25	2
1,000 to 9,999 lb	9 188	3 276	1 177	346	2 264	1 056	24	608	256	24
10,000 to 49,999 lb	28 137	17 672	9 551	523	3 636	3 516	83	1 334	1 285	123
50,000 to 99,999 lb	333	508	154	280	73	85	3	33	81	8
100,000 lb or more	1 087	1 740	1 230	734	132	311	S	S	S	S
SCTG 24, Plastics and rubber	69 151	24 151	11 210	523	16 346	5 585	149	5 570	2 038	189
Less than 50 lb	4 652	233	121	595	1 424	70	1	286	14	1
50 to 99 lb	2 101	202	78	373	694	78	2	153	16	1
100 to 499 lb	7 823	1 024	367	339	2 724	413	9	695	96	9
500 to 749 lb	2 832	436	179	407	3	140	3	205	34	3
750 to 999 lb	2 098	395	152	379	578	123	3	197	41	4
1,000 to 9,999 lb	23 410	7 053	2 718	391	5 302	1 895	55	2 329	715	64
10,000 to 49,999 lb	24 278	12 363	6 187	452	4 492	2 454	65	1 644	1 048	97
50,000 to 99,999 lb	320	265	129	498	S	30	1	13	14	1
100,000 lb or more	1 638	2 179	1 281	588	297	383	10	47	60	9
SCTG 25, Logs and other wood in the rough	598	6 540	1 124	442	227	2 699	64	131	2 549	244
Less than 50 lb	S	S	S	669	S	S	S	S	S	S
50 to 99 lb	S	S	S	128	S	S	S	S	S	S
100 to 499 lb	S	S	S	145	S	S	S	S	S	S
500 to 749 lb	S	S	S	164	S	S	S	S	S	S
750 to 999 lb	S	S	S	88	S	S	S	S	S	S
1,000 to 9,999 lb	59	36	4	S	S	20	1	S	7	1
10,000 to 49,999 lb	231	1 823	232	130	84	1 112	28	S	S	S
50,000 to 99,999 lb	130	2 934	268	88	35	973	23	61	S	158
100,000 lb or more	106	1 744	619	S	11	593	13	18	S	S
SCTG 26, Wood products	15 812	28 936	5 601	220	6 126	13 329	382	2 132	5 856	519
Less than 50 lb	178	16	5	403	73	7	—	20	2	—
50 to 99 lb	153	25	6	246	62	11	—	28	5	—
100 to 499 lb	1 121	221	41	187	591	130	3	167	33	3
500 to 749 lb	520	130	26	189	287	84	2	52	14	1
750 to 999 lb	368	116	23	194	188	69	2	41	15	1
1,000 to 9,999 lb	4 930	5 815	583	121	2 311	S	S	708	577	51
10,000 to 49,999 lb	7 176	14 221	3 234	203	2 196	5 357	149	903	3 255	277
50,000 to 99,999 lb	960	5 659	875	152	309	1 954	61	185	1 544	142
100,000 lb or more	408	2 734	808	321	110	1 278	S	29	411	42
SCTG 27, Pulp, newsprint, paper, and paperboard	21 990	37 304	15 089	271	4 719	5 232	111	1 993	S	S
Less than 50 lb	419	46	15	286	174	23	—	24	4	—
50 to 99 lb	225	44	10	218	107	26	1	17	4	—
100 to 499 lb	1 139	323	65	189	632	207	4	97	32	3
500 to 749 lb	476	198	43	211	243	126	2	46	18	2
750 to 999 lb	377	126	24	190	205	82	2	S	10	1
1,000 to 9,999 lb	3 878	2 508	642	238	1 561	1 220	25	332	268	27
10,000 to 49,999 lb	12 515	18 419	10 369	529	1 265	2 217	62	1 157	1 552	148
50,000 to 99,999 lb	544	1 380	989	661	116	294	3	S	S	S
100,000 lb or more	2 417	S	2 932	S	416	1 038	11	256	S	S
SCTG 28, Paper or paperboard articles	20 413	13 653	4 185	331	6 787	5 675	152	2 126	1 744	158
Less than 50 lb	1 285	86	31	417	448	43	1	95	7	1
50 to 99 lb	457	72	16	228	207	44	1	54	7	1
100 to 499 lb	1 481	395	68	171	758	251	6	222	52	5
500 to 749 lb	580	205	59	291	254	115	3	46	21	2
750 to 999 lb	381	165	30	180	203	106	2	45	18	2
1,000 to 9,999 lb	5 694	3 602	742	218	2 549	2 006	49	634	484	43
10,000 to 49,999 lb	10 392	8 851	3 169	315	2 259	2 976	86	1 028	1 152	106
50,000 to 99,999 lb	75	127	46	371	51	43	1	S	S	S
100,000 lb or more	69	149	S	228	58	91	3	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	47 151	15 478	5 241	381	15 391	7 474	134	2 924	1 065	97
Less than 50 lb	9 142	862	270	399	2 309	519	9	397	44	4
50 to 99 lb	2 843	375	88	228	919	247	4	181	29	3
100 to 499 lb	6 629	1 096	255	229	2 346	714	13	436	85	7
500 to 749 lb	1 736	388	98	246	972	238	S	94	21	2
750 to 999 lb	1 286	280	78	283	475	176	3	51	15	1
1,000 to 9,999 lb	12 576	6 313	2 240	390	5 085	3 211	59	756	280	24
10,000 to 49,999 lb	12 380	5 442	1 960	315	3 063	2 046	38	964	526	51
50,000 to 99,999 lb	219	157	34	211	S	77	1	S	21	7
100,000 lb or more	341	S	S	389	152	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	28 063	2 409	1 320	713	4 299	457	11	1 550	162	16
Less than 50 lb	7 954	231	171	735	777	28	1	319	10	1
50 to 99 lb	1 730	79	41	508	249	16	—	77	6	1
100 to 499 lb	3 408	275	99	366	851	100	2	218	25	2
500 to 749 lb	888	110	30	258	288	45	1	132	20	2
750 to 999 lb	584	68	22	325	189	24	—	29	7	1
1,000 to 9,999 lb	7 417	796	334	408	1 458	195	5	647	75	7
10,000 to 49,999 lb	5 970	807	S	646	482	48	1	128	20	2
50,000 to 99,999 lb	S	9	8	931	S	S	S	—	—	—
100,000 lb or more	S	S	S	376	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	22 009	201 293	17 408	388	7 200	S	S	2 128	11 787	1 108
Less than 50 lb	1 107	69	40	655	272	19	—	43	4	—
50 to 99 lb	304	40	18	427	79	16	—	11	2	—
100 to 499 lb	1 103	275	65	264	439	175	3	106	22	2
500 to 749 lb	317	157	25	163	119	112	S	17	7	1
750 to 999 lb	195	74	14	190	74	48	1	12	5	1
1,000 to 9,999 lb	3 668	7 478	662	115	1 415	6 322	87	247	294	26
10,000 to 49,999 lb	12 552	74 659	7 592	93	3 696	56 288	833	1 188	4 808	444
50,000 to 99,999 lb	1 615	29 139	2 368	80	627	S	444	447	5 715	536
100,000 lb or more	1 148	S	6 624	S	S	S	S	59	931	98
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	105 842	161 382	41 954	221	29 034	56 634	1 166	12 232	21 562	2 000
Less than 50 lb	1 219	56	12	253	528	33	1	140	7	1
50 to 99 lb	757	75	15	199	344	47	1	82	10	1
100 to 499 lb	3 532	654	122	188	1 674	383	8	349	78	7
500 to 749 lb	1 454	422	83	197	602	234	5	146	50	4
750 to 999 lb	1 354	402	89	222	445	212	4	125	56	5
1,000 to 9,999 lb	17 280	10 788	2 302	210	5 859	5 032	116	1 991	1 294	116
10,000 to 49,999 lb	60 042	91 750	22 238	241	14 881	31 617	681	6 754	10 565	983
50,000 to 99,999 lb	8 540	25 073	2 703	114	3 267	13 458	232	1 815	4 688	414
100,000 lb or more	11 664	32 161	14 390	403	1 433	5 617	117	830	4 816	469
SCTG 33, Articles of base metal	66 830	25 970	11 779	470	16 338	6 560	167	5 784	2 498	231
Less than 50 lb	8 813	279	151	492	3 065	100	2	548	15	1
50 to 99 lb	3 694	213	97	449	809	69	1	148	12	1
100 to 499 lb	9 434	1 012	417	453	2 292	356	8	580	83	8
500 to 749 lb	3 185	443	137	304	1 064	197	5	218	41	4
750 to 999 lb	2 051	324	115	361	561	124	3	165	31	3
1,000 to 9,999 lb	18 486	6 544	2 325	354	5 035	2 333	57	1 938	675	62
10,000 to 49,999 lb	19 170	14 274	5 730	372	3 163	2 953	78	2 160	1 577	146
50,000 to 99,999 lb	827	890	453	472	262	248	8	S	S	5
100,000 lb or more	1 169	1 992	2 353	1 175	87	180	6	S	S	S
SCTG 34, Machinery	137 220	20 645	10 063	401	33 877	5 340	131	11 256	1 909	193
Less than 50 lb	16 054	309	121	386	5 349	118	2	1 358	27	2
50 to 99 lb	4 200	145	51	345	1 589	68	1	421	13	1
100 to 499 lb	14 448	914	375	400	3 966	326	7	1 196	94	8
500 to 749 lb	6 278	518	S	951	1 376	112	2	478	32	3
750 to 999 lb	2 641	220	109	497	492	65	1	242	18	2
1,000 to 9,999 lb	29 951	4 217	1 773	450	7 075	1 439	30	2 957	375	34
10,000 to 49,999 lb	54 174	11 817	5 601	495	12 345	2 650	72	3 931	955	106
50,000 to 99,999 lb	5 720	1 441	716	475	1 480	451	13	S	S	—
100,000 lb or more	3 755	1 064	820	740	206	112	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	114 786	8 885	5 303	435	29 130	2 049	44	6 672	687	66
Less than 50 lb	24 708	345	147	440	7 334	155	3	1 366	20	2
50 to 99 lb	8 184	187	74	387	3 581	95	2	534	11	1
100 to 499 lb	19 417	803	336	392	6 238	367	8	1 001	45	4
500 to 749 lb	3 873	261	130	495	963	88	2	207	20	2
750 to 999 lb	3 253	159	75	470	790	47	1	138	S	1
1,000 to 9,999 lb	28 521	2 309	1 162	470	6 315	674	14	1 330	139	12
10,000 to 49,999 lb	26 098	4 611	3 186	651	3 742	569	13	2 085	435	43
50,000 to 99,999 lb	516	141	145	951	150	52	S	—	—	—
100,000 lb or more	215	68	47	1 019	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	258 172	53 326	22 525	296	57 246	14 908	331	20 017	4 592	435
Less than 50 lb	7 999	421	135	273	3 321	217	3	532	23	2
50 to 99 lb	2 724	171	68	389	712	61	1	221	13	1
100 to 499 lb	11 506	728	263	336	2 786	249	6	1 199	71	6
500 to 749 lb	4 230	355	137	381	801	94	3	536	41	4
750 to 999 lb	3 445	300	107	358	524	65	2	650	40	4
1,000 to 9,999 lb	81 930	10 596	4 881	455	20 527	2 950	59	6 031	1 029	94
10,000 to 49,999 lb	103 270	29 136	10 764	358	22 224	9 126	212	9 746	2 895	273
50,000 to 99,999 lb	30 327	6 373	3 812	630	2 895	1 127	32	961	436	47
100,000 lb or more	12 740	5 245	2 358	430	S	1 019	S	S	43	S
SCTG 37, Transportation equipment, n.e.c.	10 387	1 334	637	734	1 107	290	16	561	41	4
Less than 50 lb	2 653	6	5	788	153	—	—	90	—	—
50 to 99 lb	704	3	2	613	17	—	S	S	S	S
100 to 499 lb	2 251	18	12	678	264	3	—	S	1	—
500 to 749 lb	156	7	3	483	S	S	S	S	S	S
750 to 999 lb	161	7	3	496	S	2	—	S	S	S
1,000 to 9,999 lb	1 592	145	75	509	107	20	1	100	10	1
10,000 to 49,999 lb	2 023	522	273	542	136	41	1	39	S	S
50,000 to 99,999 lb	S	S	S	249	S	S	S	—	—	—
100,000 lb or more	627	513	S	463	250	154	13	S	S	S
SCTG 38, Precision instruments and apparatus	21 500	343	200	637	3 625	68	2	1 521	39	4
Less than 50 lb	9 651	61	42	640	1 186	10	—	575	4	—
50 to 99 lb	1 775	20	12	620	388	4	—	80	2	—
100 to 499 lb	4 793	74	43	590	1 101	16	—	284	6	1
500 to 749 lb	888	17	8	446	210	4	—	S	3	—
750 to 999 lb	593	17	7	432	112	3	—	54	S	—
1,000 to 9,999 lb	3 025	100	50	525	599	S	S	293	S	1
10,000 to 49,999 lb	752	53	38	718	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	249	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	21 568	4 684	2 968	492	5 649	1 213	33	786	208	20
Less than 50 lb	761	36	17	407	307	14	—	23	2	—
50 to 99 lb	461	47	22	479	168	18	—	18	1	—
100 to 499 lb	2 301	326	194	590	653	97	2	110	17	1
500 to 749 lb	1 012	152	84	552	263	41	1	47	7	1
750 to 999 lb	883	123	62	504	197	30	1	46	8	1
1,000 to 9,999 lb	7 927	1 413	844	603	1 675	292	7	415	85	9
10,000 to 49,999 lb	8 031	2 393	1 429	531	2 288	680	22	123	83	8
50,000 to 99,999 lb	119	S	S	2 008	S	S	S	S	S	S
100,000 lb or more	72	39	5	208	S	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products ...	79 031	17 049	8 378	691	16 420	4 031	105	7 371	1 938	195
Less than 50 lb	15 639	404	256	726	3 321	88	2	908	24	2
50 to 99 lb	3 660	181	95	522	819	46	1	237	13	1
100 to 499 lb	10 169	961	495	523	2 101	225	5	616	61	6
500 to 749 lb	3 351	351	165	464	879	117	3	171	29	3
750 to 999 lb	2 546	284	121	422	579	74	2	183	29	3
1,000 to 9,999 lb	20 403	4 291	1 966	464	4 177	1 178	30	1 855	502	48
10,000 to 49,999 lb	21 865	8 507	3 677	417	4 236	1 727	44	3 255	1 153	120
50,000 to 99,999 lb	976	1 060	S	333	141	413	12	115	106	10
100,000 lb or more	421	S	S	748	169	S	S	S	S	S
SCTG 41, Waste and scrap .	10 216	50 628	8 009	139	3 920	24 693	726	1 593	10 150	1 012
Less than 50 lb	S	S	S	852	S	S	S	S	S	S
50 to 99 lb	S	S	S	155	S	S	S	—	—	—
100 to 499 lb	S	1	S	150	S	1	—	S	S	S
500 to 749 lb	S	S	S	227	S	S	S	S	S	S
750 to 999 lb	S	2	S	231	S	S	S	S	S	S
1,000 to 9,999 lb	366	419	34	102	180	342	8	29	S	S
10,000 to 49,999 lb	6 456	24 727	3 414	131	2 235	11 381	338	998	5 983	517
50,000 to 99,999 lb	1 211	9 419	867	89	605	5 564	129	360	2 536	243
100,000 lb or more	2 165	16 058	3 693	232	898	7 403	252	206	1 593	249
SCTG 43, Mixed freight.....	29 360	14 234	1 915	395	13 021	6 389	190	6 301	3 683	330
Less than 50 lb	1 425	110	S	523	652	52	1	73	9	1
50 to 99 lb	360	51	7	155	233	33	1	31	6	1
100 to 499 lb	1 603	395	37	87	953	236	6	253	76	7
500 to 749 lb	671	228	21	93	358	129	3	125	42	4
750 to 999 lb	441	165	17	S	211	82	2	109	43	4
1,000 to 9,999 lb	8 314	4 028	529	120	3 502	1 720	52	1 536	841	77
10,000 to 49,999 lb	16 418	9 142	1 209	123	7 004	4 062	123	4 174	2 666	236
50,000 to 99,999 lb	S	94	S	46	S	S	2	—	—	—
100,000 lb or more	S	S	S	2 236	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	7 776	7 924	932	481	2 671	5 382	89	888	1 064	93
Less than 50 lb	1 069	29	15	571	350	12	—	S	2	—
50 to 99 lb	204	9	4	432	44	4	—	S	—	—
100 to 499 lb	460	63	16	253	211	33	1	30	5	—
500 to 749 lb	361	33	8	253	S	19	—	9	2	—
750 to 999 lb	153	28	6	204	S	S	S	S	S	S
1,000 to 9,999 lb	1 584	748	126	201	428	S	9	317	63	6
10,000 to 49,999 lb	2 694	2 903	479	158	801	1 770	32	281	325	29
50,000 to 99,999 lb	279	1 369	51	37	248	1 233	28	S	S	S
100,000 lb or more	S	2 741	S	168	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	261 600	273 376	58 000	249 747	185 370	90 223	173 243	110 327	95 730	86 859	52 161	59 144
Less than 50 lb	17 432	454	97	20 497	532	243	18 364	414	317	11 783	309	314
50 to 99 lb	5 310	256	53	6 303	275	121	5 170	215	162	2 760	99	101
100 to 499 lb	18 774	1 585	325	18 725	1 360	597	14 418	913	689	8 442	491	509
500 to 749 lb	5 939	796	161	6 480	701	320	4 169	361	272	3 379	227	235
750 to 999 lb	5 148	762	153	4 676	480	213	3 085	292	218	1 633	191	196
1,000 to 9,999 lb	63 617	18 005	3 659	61 750	12 656	5 677	36 398	7 094	5 345	18 654	3 570	3 716
10,000 to 49,999 lb	116 228	109 104	22 386	106 070	72 905	32 240	69 568	36 843	27 395	29 703	17 160	17 577
50,000 to 99,999 lb	11 632	35 975	6 932	11 116	9 240	4 128	7 777	3 351	2 637	4 161	1 541	1 708
100,000 lb or more	17 521	106 440	24 234	14 130	87 222	46 683	14 294	60 844	58 696	6 343	28 574	34 787
SCTG 01, Live animals and live fish	970	925	S	293	280	123	15	9	6	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	6	5	2	S	S	S	S	S	S
10,000 to 49,999 lb	590	566	S	S	S	S	7	6	4	—	—	—
50,000 to 99,999 lb	213	208	44	29	23	10	4	3	2	—	—	—
100,000 lb or more	28	S	S	S	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	1 098	4 995	997	1 937	16 678	10 630	2 698	24 988	25 362	1 335	11 479	14 595
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	1	—	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	8	33	7	8	S	S	S	4	3	S	S	S
10,000 to 49,999 lb	S	696	142	182	216	97	S	330	248	S	80	88
50,000 to 99,999 lb	149	S	S	13	121	50	S	45	34	S	S	S
100,000 lb or more	332	3 063	646	1 734	16 306	10 468	2 116	24 609	25 078	1 190	11 365	14 469
SCTG 03, Other agricultural products	1 755	3 020	566	1 363	3 363	2 275	2 811	10 005	10 481	1 005	3 771	4 705
Less than 50 lb	81	8	2	S	S	S	S	S	S	S	S	3
50 to 99 lb	S	2	—	7	1	—	S	S	S	S	S	S
100 to 499 lb	89	25	5	10	3	2	4	S	S	9	S	1
500 to 749 lb	29	12	2	S	S	S	S	—	S	S	—	—
750 to 999 lb	38	29	5	2	1	—	S	S	S	S	S	S
1,000 to 9,999 lb	555	537	98	127	106	44	44	43	32	40	S	S
10,000 to 49,999 lb	618	1 095	214	269	S	S	176	208	155	112	123	119
50,000 to 99,999 lb	150	576	96	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	144	662	2 686	1 982	2 473	9 735	10 279	798	3 613	4 548
SCTG 04, Animal feed and products of animal origin, n.e.c.	1 930	4 226	828	2 816	6 985	3 907	1 808	6 122	5 393	564	1 072	1 107
Less than 50 lb	1	—	—	2	1	—	S	—	—	S	S	S
50 to 99 lb	—	—	—	S	S	—	S	—	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	1	S	S	S	S	S	S
1,000 to 9,999 lb	266	315	64	248	S	S	42	45	32	S	S	S
10,000 to 49,999 lb	1 168	2 080	413	1 599	2 522	1 111	780	1 724	1 261	451	655	653
50,000 to 99,999 lb	194	774	148	234	968	475	64	376	295	18	S	S
100,000 lb or more	221	1 016	193	703	3 257	2 212	911	3 975	3 802	52	353	390
SCTG 05, Meat, fish, seafood, and their preparations	4 703	2 056	414	3 242	1 402	633	2 430	929	722	1 902	610	618
Less than 50 lb	S	2	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	5	1	S	S	S	S	S	S	S	S	S
100 to 499 lb	106	35	6	21	4	2	6	1	1	7	1	1
500 to 749 lb	100	35	6	25	6	3	12	3	2	5	1	1
750 to 999 lb	112	37	6	13	3	1	18	3	2	9	1	1
1,000 to 9,999 lb	1 628	676	132	685	226	95	606	167	128	379	97	100
10,000 to 49,999 lb	2 625	1 236	254	2 405	1 114	508	1 776	750	585	1 493	509	513
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	4 276	5 115	1 126	4 506	4 211	2 035	4 297	4 558	3 728	1 739	1 933	2 062
Less than 50 lb	10	1	—	S	S	S	S	—	—	S	S	S
50 to 99 lb	8	S	—	S	—	—	S	S	S	S	S	—
100 to 499 lb	89	31	5	14	3	1	6	2	1	3	1	1
500 to 749 lb	51	27	5	14	7	3	5	2	2	3	1	1
750 to 999 lb	62	29	5	16	6	3	4	2	1	S	S	S
1,000 to 9,999 lb	1 009	594	114	710	321	137	467	211	157	189	98	102
10,000 to 49,999 lb	2 666	2 428	510	3 459	2 534	1 178	3 315	2 063	1 547	1 356	860	898
50,000 to 99,999 lb	S	S	S	S	44	19	S	S	S	S	S	S
100,000 lb or more	214	1 304	367	246	1 294	693	448	2 220	1 981	S	958	1 044

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	14 858	16 750	3 336	11 120	12 778	6 506	9 139	8 404	6 785	4 763	4 395	4 772
Less than 50 lb	29	4	1	21	2	1	23	2	1	56	4	4
50 to 99 lb	32	7	1	S	1	—	16	1	1	S	S	S
100 to 499 lb	270	93	16	118	21	9	97	7	5	50	S	S
500 to 749 lb	144	68	11	54	14	6	40	7	5	S	S	S
750 to 999 lb	100	40	8	81	12	5	43	S	S	34	S	S
1,000 to 9,999 lb	2 437	1 331	261	1 484	602	262	907	290	222	787	224	230
10,000 to 49,999 lb	10 679	11 973	2 393	8 072	7 366	3 299	6 662	4 677	3 455	3 178	2 122	2 188
50,000 to 99,999 lb	804	2 127	388	138	328	131	108	185	144	37	42	45
100,000 lb or more	364	1 108	257	1 137	4 432	2 793	1 242	3 223	2 942	566	1 971	2 270
SCTG 08, Alcoholic beverages	1 242	1 878	365	544	756	323	262	179	153	123	101	105
Less than 50 lb	5	1	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	8	1	—	—	—	—	S	S	S	—	—	—
100 to 499 lb	34	7	1	S	S	S	S	S	S	S	S	S
500 to 749 lb	8	2	—	—	—	—	S	S	S	S	S	S
750 to 999 lb	5	2	—	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	61	35	6	8	4	2	S	4	3	S	S	S
10,000 to 49,999 lb	919	1 320	266	291	322	144	204	114	89	119	100	104
50,000 to 99,999 lb	202	509	91	89	153	53	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 09, Tobacco products	739	47	9	433	12	5	94	3	2	S	S	S
Less than 50 lb	49	1	—	S	—	—	4	—	—	4	—	—
50 to 99 lb	56	1	—	9	—	—	S	—	—	S	—	—
100 to 499 lb	323	12	2	57	1	1	39	1	1	S	—	—
500 to 749 lb	58	5	1	S	S	S	S	1	1	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	189	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	43	137	31	19	60	24	29	57	41	6	15	15
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	16	83	18	10	46	17	13	39	29	4	14	14
50,000 to 99,999 lb	3	16	4	S	S	S	5	12	9	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	97	4 695	1 110	37	1 005	403	34	615	499	14	S	S
Less than 50 lb	—	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	7	7	2	S	3	1	S	S	S	—	2	2
10,000 to 49,999 lb	38	994	203	18	343	145	12	78	56	7	S	S
50,000 to 99,999 lb	22	1 293	268	10	472	165	S	S	S	1	8	8
100,000 lb or more	29	2 399	638	6	187	92	21	524	433	6	140	164
SCTG 12, Gravel and crushed stone	132	22 721	4 679	87	18 505	8 314	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	3 393	666	S	498	224	S	149	107	S	S	S
50,000 to 99,999 lb	14	1 136	210	S	S	S	S	S	S	S	S	S
100,000 lb or more	69	18 187	3 802	72	17 938	8 061	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	336	6 657	1 427	187	4 944	2 404	70	455	351	19	78	78
Less than 50 lb	S	S	S	1	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	1	S	—	—	—	S	S	S	S	S	S
500 to 749 lb	1	1	—	S	S	—	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	41	S	S	6	15	6	S	4	3	2	S	S
10,000 to 49,999 lb	150	1 920	366	114	792	343	41	139	96	15	67	67
50,000 to 99,999 lb	30	750	139	7	132	53	S	S	S	S	S	S
100,000 lb or more	105	3 896	903	58	4 005	2 002	20	217	180	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	126	S	S	317	4 347	S	53	50	36	9	13	14
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	S	—	S	S	S	S	S	S	—	S	S
100 to 499 lb	S	—	—	S	S	S	S	S	S	—	—	—
500 to 749 lb	2	—	—	1	—	—	S	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	4	1	24	4	2	15	2	2	4	1	1
10,000 to 49,999 lb	63	88	19	58	81	32	35	47	34	4	9	9
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	224	S	S	—	—	—	S	S	S
SCTG 15, Coal	721	28 626	6 780	205	8 959	4 252	149	6 366	5 718	92	4 000	4 678
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	755	145	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	538	25 199	6 035	173	8 290	4 019	149	6 366	5 718	92	4 000	4 678
SCTG 17, Gasoline and aviation turbine fuel	5 024	22 820	3 947	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	54	185	33	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	603	2 530	460	67	317	124	S	S	S	S	S	S
50,000 to 99,999 lb	1 387	5 333	939	S	S	S	—	—	—	—	—	—
100,000 lb or more	2 980	14 771	2 515	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	1 332	7 319	1 171	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	34	127	22	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	169	953	174	21	115	52	—	—	—	S	S	S
50,000 to 99,999 lb	453	2 315	437	S	S	S	S	S	S	—	—	—
100,000 lb or more	676	3 923	537	S	S	S	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	2 021	9 645	2 149	1 508	3 625	1 893	628	1 744	1 382	228	427	465
Less than 50 lb	5	1	—	S	S	S	3	S	S	S	S	S
50 to 99 lb	1	1	—	S	S	S	1	—	—	S	S	S
100 to 499 lb	25	5	1	11	3	1	15	S	S	S	S	S
500 to 749 lb	10	3	1	S	1	1	3	S	S	2	—	1
750 to 999 lb	7	2	—	S	S	S	5	1	1	S	1	1
1,000 to 9,999 lb	S	S	S	207	144	75	42	28	20	27	12	12
10,000 to 49,999 lb	806	3 644	682	543	853	365	260	S	S	44	56	58
50,000 to 99,999 lb	292	1 900	336	54	124	53	S	S	S	S	S	S
100,000 lb or more	S	S	S	651	2 484	1 392	289	874	751	147	347	383
SCTG 20, Basic chemicals	2 557	6 363	1 374	3 063	3 359	1 584	1 480	1 203	1 020	708	1 327	1 482
Less than 50 lb	78	2	—	88	2	1	89	1	1	46	1	1
50 to 99 lb	40	2	—	23	2	1	16	1	1	6	1	1
100 to 499 lb	104	15	3	136	14	6	68	6	4	44	S	S
500 to 749 lb	23	8	2	61	13	6	47	4	3	S	S	S
750 to 999 lb	S	6	1	S	10	4	10	1	—	S	—	—
1,000 to 9,999 lb	445	318	61	674	134	54	155	47	34	76	21	21
10,000 to 49,999 lb	1 263	3 363	622	1 356	1 340	583	798	601	456	380	363	352
50,000 to 99,999 lb	78	481	100	S	S	S	S	43	34	27	53	61
100,000 lb or more	469	S	S	422	1 679	854	229	499	485	100	880	1 038
SCTG 21, Pharmaceutical products	5 970	139	28	8 014	183	80	3 760	160	123	3 424	67	68
Less than 50 lb	1 662	18	4	1 586	13	6	1 036	8	6	754	5	5
50 to 99 lb	638	8	1	419	5	2	227	2	2	S	1	1
100 to 499 lb	1 219	25	5	S	21	9	807	7	5	684	5	5
500 to 749 lb	619	8	2	345	8	4	S	S	4	S	4	4
750 to 999 lb	128	7	2	S	5	2	59	3	2	S	1	1
1,000 to 9,999 lb	701	38	7	S	47	19	848	84	67	605	29	28
10,000 to 49,999 lb	S	37	7	330	49	24	429	52	38	82	23	24
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	3	—	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	31	31	5	7	S	S	6	6	4	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	8 343	4 976	1 088	9 999	5 014	2 258	7 607	3 238	2 421	3 655	1 588	1 709
Less than 50 lb	519	24	4	333	15	7	163	7	5	79	3	4
50 to 99 lb	197	12	2	130	12	5	54	5	4	28	3	4
100 to 499 lb	610	81	16	452	65	29	278	38	28	127	16	16
500 to 749 lb	S	43	10	203	31	13	66	16	12	S	8	9
750 to 999 lb	104	31	6	129	30	13	61	14	10	S	10	10
1,000 to 9,999 lb	1 883	729	161	2 186	589	251	1 191	325	239	392	133	133
10,000 to 49,999 lb	4 484	3 522	765	6 315	3 808	1 702	5 621	2 585	1 918	2 570	1 131	1 213
50,000 to 99,999 lb	66	S	37	79	97	42	56	23	S	S	S	S
100,000 lb or more	195	353	87	172	366	196	117	225	186	208	256	294
SCTG 24, Plastics and rubber.....	12 788	4 390	940	14 409	5 573	2 494	9 425	3 570	2 769	4 157	1 208	1 246
Less than 50 lb	689	25	6	724	38	17	473	24	18	539	S	S
50 to 99 lb	329	33	7	310	27	12	271	24	17	146	9	9
100 to 499 lb	1 235	162	34	1 278	141	64	741	89	67	426	47	49
500 to 749 lb	423	80	17	533	78	33	282	40	31	289	27	28
750 to 999 lb	431	92	20	362	56	26	255	41	32	108	15	15
1,000 to 9,999 lb	5 144	1 531	310	4 946	1 533	669	2 571	653	490	1 040	278	285
10,000 to 49,999 lb	4 189	2 138	455	5 713	2 821	1 222	4 514	2 302	1 767	1 402	558	562
50,000 to 99,999 lb	88	104	22	55	46	18	S	S	S	S	14	S
100,000 lb or more	261	226	69	487	833	433	260	359	314	191	217	241
SCTG 25, Logs and other wood in the rough	68	252	51	110	S	S	21	44	32	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	6	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	31	S	S	S	S	S	9	21	15	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	28	S	S	S	S	S	—	—	—
SCTG 26, Wood products ..	2 899	5 520	1 111	1 883	2 140	961	1 224	997	740	555	352	374
Less than 50 lb	23	2	—	25	2	1	17	1	1	5	1	1
50 to 99 lb	20	3	1	17	2	1	10	1	1	5	1	1
100 to 499 lb	115	23	4	107	14	6	60	8	6	36	5	6
500 to 749 lb	42	10	2	75	10	4	22	4	3	19	4	4
750 to 999 lb	43	12	2	47	7	3	26	7	5	6	1	1
1,000 to 9,999 lb	779	401	74	444	163	71	305	124	91	154	46	49
10,000 to 49,999 lb	1 480	2 734	562	1 046	1 590	710	694	588	426	326	285	301
50,000 to 99,999 lb	294	1 767	355	75	193	84	S	S	S	3	6	7
100,000 lb or more	103	568	110	47	159	81	29	133	113	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard ...	3 503	5 311	1 207	4 861	5 386	2 610	3 384	3 775	2 991	1 828	2 776	2 967
Less than 50 lb	45	5	1	59	5	2	49	4	3	28	2	2
50 to 99 lb	15	3	1	37	5	2	24	S	S	S	S	S
100 to 499 lb	101	28	5	109	19	9	70	14	11	66	13	14
500 to 749 lb	72	25	5	27	7	3	30	7	4	S	6	S
750 to 999 lb	54	11	2	20	5	2	22	6	4	12	S	S
1,000 to 9,999 lb	525	386	82	626	281	124	258	126	98	404	158	166
10,000 to 49,999 lb	2 255	4 104	930	3 369	4 093	1 929	2 392	2 770	2 125	1 000	2 144	2 239
50,000 to 99,999 lb	54	158	47	113	358	204	82	167	160	61	111	137
100,000 lb or more	380	591	134	500	613	334	457	678	584	218	333	394
SCTG 28, Paper or paperboard articles	3 115	2 361	474	3 210	1 677	732	2 128	933	724	1 372	576	600
Less than 50 lb	156	8	2	145	7	3	188	9	7	111	5	5
50 to 99 lb	45	6	1	59	6	3	27	4	3	35	3	3
100 to 499 lb	150	34	7	115	21	10	79	14	11	81	12	12
500 to 749 lb	54	17	3	54	16	7	S	10	8	42	S	S
750 to 999 lb	46	14	3	31	11	5	26	8	6	18	5	5
1,000 to 9,999 lb	794	458	91	659	273	122	473	172	130	236	97	100
10,000 to 49,999 lb	1 857	1 766	354	2 135	1 283	557	1 236	707	553	846	433	453
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	6 127	1 786	362	7 049	1 706	792	6 811	1 609	1 199	3 485	666	686
Less than 50 lb	1 040	45	10	1 594	72	33	1 462	80	61	925	44	44
50 to 99 lb	229	18	4	419	24	10	354	26	20	S	12	12
100 to 499 lb	736	66	14	802	66	27	910	82	62	S	36	S
500 to 749 lb	127	20	4	140	S	S	186	16	12	71	8	8
750 to 999 lb	116	22	4	176	19	8	82	9	6	144	S	S
1,000 to 9,999 lb	1 415	627	127	1 815	638	314	1 801	630	461	729	292	306
10,000 to 49,999 lb	2 375	898	183	2 039	699	310	1 953	718	543	611	220	222
50,000 to 99,999 lb	S	S	S	24	16	7	S	S	S	S	S	S
100,000 lb or more	S	S	S	41	S	S	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	5 673	665	143	6 091	425	193	4 504	226	168	2 689	163	167
Less than 50 lb	1 118	32	7	1 525	44	20	1 622	40	31	1 214	40	40
50 to 99 lb	200	13	3	S	17	7	S	S	S	78	3	3
100 to 499 lb	649	48	10	485	39	16	614	32	24	290	16	16
500 to 749 lb	159	19	4	90	11	5	87	7	5	74	4	4
750 to 999 lb	136	15	3	124	12	5	51	5	3	22	2	2
1,000 to 9,999 lb	1 731	203	42	1 627	162	74	528	45	33	484	54	55
10,000 to 49,999 lb	1 615	S	S	1 760	128	60	1 103	80	58	504	41	42
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 31, Nonmetallic mineral products	4 152	14 663	3 084	4 096	8 400	3 874	1 748	2 102	1 670	820	1 388	1 474
Less than 50 lb	145	8	2	157	10	5	181	10	8	132	8	9
50 to 99 lb	25	3	1	64	7	3	48	4	3	25	4	4
100 to 499 lb	98	22	4	131	16	7	148	20	16	65	7	7
500 to 749 lb	47	15	3	42	8	4	S	S	S	13	2	2
750 to 999 lb	20	6	1	47	9	4	8	2	1	S	S	S
1,000 to 9,999 lb	501	283	59	846	316	147	282	129	97	99	38	39
10,000 to 49,999 lb	2 697	7 243	1 488	2 471	3 514	1 547	960	1 265	951	424	771	799
50,000 to 99,999 lb	421	3 717	677	79	615	275	18	90	66	5	S	S
100,000 lb or more	197	3 365	848	257	3 905	1 883	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	26 866	40 105	9 018	21 317	26 280	11 406	8 524	9 199	6 937	3 634	4 082	4 733
Less than 50 lb	117	6	1	88	4	2	164	3	3	81	2	2
50 to 99 lb	95	6	1	66	5	2	49	3	2	S	1	1
100 to 499 lb	409	83	17	509	47	20	252	27	21	127	16	16
500 to 749 lb	197	55	12	172	42	18	149	21	16	54	9	9
750 to 999 lb	270	52	11	201	36	16	85	18	14	62	16	15
1,000 to 9,999 lb	3 674	2 012	400	2 947	1 396	596	1 427	600	439	636	207	210
10,000 to 49,999 lb	15 921	23 070	4 938	14 665	18 720	8 034	4 650	4 890	3 535	1 428	1 415	1 457
50,000 to 99,999 lb	2 384	5 012	993	840	1 474	610	138	300	220	21	31	31
100,000 lb or more	3 800	9 808	2 645	1 829	4 556	2 107	1 611	3 336	2 687	1 191	2 384	2 991
SCTG 33, Articles of base metal	12 071	4 967	1 032	12 922	4 804	2 170	8 807	3 196	2 368	4 019	1 282	1 326
Less than 50 lb	1 169	35	8	1 564	50	24	798	23	17	519	17	17
50 to 99 lb	573	27	6	S	46	21	S	S	23	155	9	9
100 to 499 lb	1 421	165	34	1 452	141	61	1 851	133	99	550	46	47
500 to 749 lb	415	57	12	652	72	31	209	38	29	S	17	18
750 to 999 lb	395	50	10	365	50	23	285	31	22	136	19	19
1,000 to 9,999 lb	3 690	1 134	236	3 336	1 040	468	2 033	618	461	964	S	S
10,000 to 49,999 lb	4 264	3 266	674	4 264	3 113	1 408	2 821	1 885	1 378	1 091	757	784
50,000 to 99,999 lb	S	95	21	195	193	84	90	S	S	S	48	55
100,000 lb or more	S	S	S	56	98	51	139	265	219	S	S	S
SCTG 34, Machinery	24 177	4 097	848	24 618	3 469	1 554	16 678	2 228	1 681	9 411	1 266	1 356
Less than 50 lb	2 104	45	10	2 679	56	27	1 762	22	17	1 029	17	18
50 to 99 lb	539	17	4	552	17	8	513	14	11	235	6	6
100 to 499 lb	2 300	134	30	2 675	137	62	1 749	93	72	1 030	47	49
500 to 749 lb	689	48	10	999	67	29	619	33	25	272	20	21
750 to 999 lb	511	42	10	444	34	14	258	18	14	243	14	14
1,000 to 9,999 lb	4 885	625	136	5 597	705	309	3 862	453	342	2 369	286	299
10,000 to 49,999 lb	12 041	2 925	591	9 850	2 052	898	5 813	1 231	915	3 433	665	673
50,000 to 99,999 lb	769	98	19	786	118	51	934	186	152	S	S	S
100,000 lb or more	341	162	39	1 036	283	156	1 169	178	133	280	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	16 578	1 377	289	20 621	1 689	756	16 007	1 052	775	8 014	453	468
Less than 50 lb	2 940	40	9	3 191	34	16	4 337	39	30	2 222	22	23
50 to 99 lb	744	15	3	1 005	20	9	952	17	13	599	10	10
100 to 499 lb	2 430	86	19	2 676	91	40	2 738	86	65	1 567	46	48
500 to 749 lb	491	29	6	757	50	23	517	28	21	267	15	15
750 to 999 lb	567	26	6	490	25	12	707	19	14	151	11	11
1,000 to 9,999 lb	6 164	404	86	5 879	413	182	3 228	249	187	1 839	151	155
10,000 to 49,999 lb	3 161	731	151	6 599	1 043	470	3 475	603	437	1 300	190	196
50,000 to 99,999 lb	S	S	S	S	S	S	36	8	5	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	52 584	12 378	2 886	50 184	9 523	4 699	33 267	5 617	4 365	14 493	2 513	2 723
Less than 50 lb	1 061	50	11	1 103	46	20	863	35	28	516	27	27
50 to 99 lb	470	6	6	426	28	13	407	20	16	196	11	11
100 to 499 lb	2 641	129	28	2 355	139	63	896	53	41	726	46	48
500 to 749 lb	1 000	61	13	1 132	86	43	332	S	S	S	13	14
750 to 999 lb	1 136	95	19	589	48	21	184	23	16	89	11	11
1,000 to 9,999 lb	16 045	2 075	450	16 641	1 995	977	9 915	1 107	866	4 084	432	492
10,000 to 49,999 lb	23 509	6 721	1 495	19 263	4 973	2 285	12 772	2 591	1 931	4 652	899	970
50,000 to 99,999 lb	2 479	1 065	291	7 429	1 377	719	5 845	1 194	968	3 106	489	532
100,000 lb or more	S	S	S	1 246	S	S	2 054	547	469	892	S	S
SCTG 37, Transportation equipment, n.e.c.	1 799	326	80	2 110	277	123	1 922	272	S	1 064	65	67
Less than 50 lb	230	1	—	499	S	S	641	1	1	379	1	1
50 to 99 lb	S	—	—	S	S	S	149	1	1	47	—	—
100 to 499 lb	S	2	—	277	4	2	S	3	3	253	2	2
500 to 749 lb	S	1	S	14	S	S	S	1	1	4	S	S
750 to 999 lb	S	S	S	S	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	300	31	7	364	41	20	261	21	16	112	10	11
10,000 to 49,999 lb	307	146	31	715	133	58	325	99	74	266	51	52
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	94	71	31	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	3 029	49	10	3 379	59	28	3 681	49	38	2 360	27	28
Less than 50 lb	1 659	10	2	1 650	10	5	1 554	10	7	1 052	6	6
50 to 99 lb	226	2	1	282	3	1	235	3	2	271	2	2
100 to 499 lb	657	12	3	727	15	7	710	9	7	561	6	6
500 to 749 lb	S	S	S	107	2	1	218	2	1	24	1	1
750 to 999 lb	120	S	S	17	1	—	129	2	1	18	1	1
1,000 to 9,999 lb	205	9	2	532	16	8	534	11	9	290	6	6
10,000 to 49,999 lb	44	S	1	S	S	S	S	12	10	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	2 905	626	134	2 989	710	318	3 958	784	583	1 938	416	442
Less than 50 lb	112	6	1	82	3	2	92	4	3	47	3	3
50 to 99 lb	44	5	1	86	7	3	58	7	5	43	4	4
100 to 499 lb	278	40	8	389	49	22	288	39	29	281	38	41
500 to 749 lb	160	21	4	161	29	14	130	19	14	97	15	16
750 to 999 lb	88	15	3	179	25	11	241	23	17	55	11	12
1,000 to 9,999 lb	1 175	200	40	1 227	225	103	1 376	246	184	851	187	197
10,000 to 49,999 lb	1 009	331	74	863	369	161	1 767	445	328	562	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products	14 582	3 376	713	13 747	2 906	1 236	11 544	1 934	1 491	6 196	979	994
Less than 50 lb	2 032	56	13	2 745	65	30	2 506	69	54	1 800	46	48
50 to 99 lb	564	29	6	656	33	15	656	26	20	273	14	14
100 to 499 lb	1 716	126	28	1 946	259	110	1 599	129	96	829	66	67
500 to 749 lb	433	48	10	652	53	24	599	39	29	329	37	38
750 to 999 lb	366	56	12	598	47	21	473	39	29	167	20	20
1,000 to 9,999 lb	3 884	727	161	3 557	665	282	2 834	555	424	1 549	286	289
10,000 to 49,999 lb	5 340	2 007	418	3 171	1 541	649	2 745	997	776	1 225	409	410
50,000 to 99,999 lb	235	238	46	337	125	57	36	49	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	2 739	9 227	2 077	1 432	4 311	2 037	353	1 571	1 255	112	433	461
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	17	3	17	6	3	S	S	S	S	S	S
10,000 to 49,999 lb	1 902	4 434	858	1 038	2 047	935	219	S	S	36	131	133
50,000 to 99,999 lb	150	985	194	33	138	52	S	S	S	S	S	S
100,000 lb or more	586	3 790	1 022	341	2 118	1 046	83	828	718	S	227	245
SCTG 43, Mixed freight	6 115	3 082	560	1 962	548	237	861	253	188	S	142	142
Less than 50 lb	186	14	3	S	S	S	S	S	S	S	S	S
50 to 99 lb	38	6	1	26	S	S	S	—	—	S	S	S
100 to 499 lb	255	69	13	70	8	3	S	3	2	10	1	1
500 to 749 lb	117	49	9	S	5	2	S	2	2	S	1	1
750 to 999 lb	86	32	6	24	5	2	8	2	1	S	S	S
1,000 to 9,999 lb	2 331	1 185	217	583	173	70	195	57	44	106	34	35
10,000 to 49,999 lb	3 083	1 707	307	S	341	153	497	183	133	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	855	626	126	1 441	497	220	890	162	120	419	100	112
Less than 50 lb	139	3	1	161	3	1	111	3	2	99	S	S
50 to 99 lb	4	S	—	S	S	S	6	—	—	S	S	S
100 to 499 lb	53	7	1	S	9	4	32	S	S	27	2	2
500 to 749 lb	S	3	1	S	5	2	18	2	2	7	1	1
750 to 999 lb	23	S	S	15	2	1	7	1	1	S	S	S
1,000 to 9,999 lb	264	84	16	218	S	S	101	16	12	150	11	11
10,000 to 49,999 lb.....	320	361	71	S	221	101	572	119	88	103	58	61
50,000 to 99,999 lb.....	11	69	14	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	63 495	18 294	26 424	67 482	17 972	39 727	9 466	2 431	6 407
Less than 50 lb	6 536	136	195	9 514	208	445	1 582	29	76
50 to 99 lb	1 678	63	89	2 007	73	155	522	18	46
100 to 499 lb	5 370	313	444	6 288	338	715	851	54	141
500 to 749 lb	1 629	155	214	2 561	272	593	311	23	57
750 to 999 lb	894	86	123	1 427	100	213	294	24	58
1,000 to 9,999 lb	14 416	2 870	4 077	14 407	1 993	4 292	2 917	421	1 122
10,000 to 49,999 lb	24 553	8 583	12 330	25 473	10 029	21 963	2 522	1 283	3 396
50,000 to 99,999 lb	5 505	1 164	1 724	3 749	920	2 092	S	105	266
100,000 lb or more	2 913	4 924	7 229	2 057	4 038	9 259	241	474	1 246
SCTG 01, Live animals and live fish	—	—	—	S	S	S	—	—	—
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	S	S	S	S	127	290	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	1	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	123	281	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 03, Other agricultural products	119	124	179	S	155	345	7	S	S
Less than 50 lb	37	S	S	51	5	11	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	3	—	1	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	16	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	40	53	36	66	155	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	152	234	318	430	520	1 184	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	138	167	219	195	206	442	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	49	73	S	298	706	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	1 006	375	522	1 753	464	995	117	42	99
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	5	1	1	9	1	3	—	—	—
500 to 749 lb	S	—	1	S	1	3	—	—	—
750 to 999 lb	3	1	1	14	3	5	—	—	—
1,000 to 9,999 lb	232	63	88	299	74	154	S	S	S
10,000 to 49,999 lb	725	292	405	1 398	381	819	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	781	746	1 062	1 368	906	2 003	103	45	130
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	1	—	—	1	S	S	S	S	S
500 to 749 lb	1	1	1	1	—	1	S	S	S
750 to 999 lb	S	S	S	2	1	3	S	S	S
1,000 to 9,999 lb	92	37	50	112	44	92	S	S	S
10,000 to 49,999 lb	600	398	575	1 187	674	1 499	81	38	112
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	65	270	364	37	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	2 016	1 337	1 885	3 445	2 320	5 102	98	57	145
Less than 50 lb	S	1	2	S	S	S	—	S	S
50 to 99 lb	S	—	—	S	S	S	S	S	S
100 to 499 lb	34	5	6	52	6	13	S	S	S
500 to 749 lb	22	3	5	22	4	8	S	S	1
750 to 999 lb	12	3	4	17	3	6	S	—	1
1,000 to 9,999 lb	483	190	256	434	99	206	S	11	27
10,000 to 49,999 lb	1 267	762	1 049	2 509	1 459	3 128	42	30	73
50,000 to 99,999 lb	S	S	S	47	S	S	—	—	—
100,000 lb or more	172	362	550	325	628	1 477	S	S	S
SCTG 08, Alcoholic beverages	S	S	S	80	45	96	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	80	44	61	76	44	95	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 09, Tobacco products	93	3	4	S	S	S	S	S	S
Less than 50 lb	S	—	S	5	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	38	1	2	61	2	4	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	10	S	S	4	31	67	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	4	19	41	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	9	S	S	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	S	85	117	S	20	43	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	7	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	6	S	S	35	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	—	—	S	S	S
100 to 499 lb	S	—	—	S	S	S	S	S	S
500 to 749 lb	S	—	—	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	3	1	1	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	34	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 15, Coal	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	307	582	813	122	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	2	—	1	2	1	1	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	2	1	1	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	16	6	13	S	S	S
10,000 to 49,999 lb	43	52	75	80	107	241	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	96	334	515	16	S	S	—	—	—
SCTG 20, Basic chemicals ..	329	S	667	581	179	407	143	80	214
Less than 50 lb	13	—	—	S	1	2	S	S	S
50 to 99 lb	S	1	1	S	1	1	S	S	S
100 to 499 lb	24	2	3	19	2	4	7	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	1	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	68	15	21	S	11	24	28	S	S
10,000 to 49,999 lb	145	76	103	200	102	227	65	52	140
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	57	S	S	54	43	105	28	22	59
SCTG 21, Pharmaceutical products	1 145	33	47	2 119	49	106	112	1	4
Less than 50 lb	510	3	4	517	3	7	S	1	2
50 to 99 lb	159	1	1	116	1	2	S	—	—
100 to 499 lb	213	3	4	194	2	5	S	—	1
500 to 749 lb	S	—	1	38	1	3	S	S	S
750 to 999 lb	S	1	S	S	1	3	—	—	—
1,000 to 9,999 lb	111	13	17	961	14	29	S	S	S
10,000 to 49,999 lb	S	S	S	234	27	58	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	1 791	776	1 080	3 320	1 265	2 884	486	259	702
Less than 50 lb	72	3	4	59	2	5	22	1	1
50 to 99 lb	24	3	4	57	2	5	5	1	2
100 to 499 lb	88	13	18	78	12	26	S	1	3
500 to 749 lb	15	3	4	16	4	9	S	S	S
750 to 999 lb	S	5	7	6	2	5	6	1	3
1,000 to 9,999 lb	283	88	133	312	81	170	68	17	42
10,000 to 49,999 lb	1 096	536	704	2 721	1 082	2 476	360	208	569
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	70	79	189	S	S	S
SCTG 24, Plastics and rubber	2 884	767	1 124	2 747	812	1 755	824	207	543
Less than 50 lb	234	9	13	244	9	19	40	2	4
50 to 99 lb	81	6	9	109	9	18	8	1	2
100 to 499 lb	415	44	63	253	24	50	55	8	21
500 to 749 lb	162	18	25	84	12	25	S	6	13
750 to 999 lb	81	11	16	48	9	18	37	7	17
1,000 to 9,999 lb	837	186	269	894	190	396	347	73	179
10,000 to 49,999 lb	1 052	449	667	1 053	501	1 098	219	92	254
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	23	44	62	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	33	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 26, Wood products	349	209	298	613	514	1 165	32	20	51
Less than 50 lb	3	—	—	7	1	1	S	—	1
50 to 99 lb	7	1	1	4	1	1	S	S	S
100 to 499 lb	19	3	4	25	4	8	S	S	S
500 to 749 lb	9	3	4	13	2	5	S	S	S
750 to 999 lb	7	S	S	9	3	6	S	S	S
1,000 to 9,999 lb	110	32	45	115	34	73	S	1	2
10,000 to 49,999 lb	181	141	195	329	256	570	21	17	44
50,000 to 99,999 lb	5	9	15	28	53	116	—	—	—
100,000 lb or more	7	19	30	82	160	385	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	659	915	1 406	958	1 205	2 601	86	68	186
Less than 50 lb	11	S	S	23	1	3	6	—	1
50 to 99 lb	S	S	S	2	—	—	S	S	S
100 to 499 lb	22	2	3	S	S	S	S	S	S
500 to 749 lb	3	1	1	25	S	S	S	S	S
750 to 999 lb	7	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	71	38	52	94	29	61	7	S	7
10,000 to 49,999 lb	341	501	711	694	993	2 102	43	45	124
50,000 to 99,999 lb	71	158	270	S	51	121	S	S	S
100,000 lb or more	S	209	363	68	119	289	—	—	—
SCTG 28, Paper or paperboard articles	585	236	351	1 010	434	949	78	18	45
Less than 50 lb	53	3	5	79	4	8	S	—	—
50 to 99 lb	10	1	1	19	1	3	S	S	S
100 to 499 lb	28	4	5	40	6	12	S	S	S
500 to 749 lb	14	3	5	17	6	12	S	S	S
750 to 999 lb	4	2	S	8	2	5	S	S	S
1,000 to 9,999 lb	136	43	62	187	62	130	27	6	16
10,000 to 49,999 lb	340	180	270	658	345	763	33	10	27
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	2 231	S	S	2 864	404	866	269	29	73
Less than 50 lb	421	21	31	871	31	66	123	5	13
50 to 99 lb	112	8	11	S	S	S	S	1	2
100 to 499 lb	224	14	19	S	30	65	40	3	8
500 to 749 lb	39	4	6	87	8	18	S	S	S
750 to 999 lb	S	2	3	S	S	S	S	1	2
1,000 to 9,999 lb	S	S	S	409	81	170	36	9	22
10,000 to 49,999 lb	S	144	204	473	184	393	22	7	16
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	1 220	79	106	1 641	S	S	399	22	58
Less than 50 lb	542	14	19	780	23	49	58	1	3
50 to 99 lb	43	2	3	111	5	10	12	—	1
100 to 499 lb	113	7	9	160	8	16	29	1	3
500 to 749 lb	23	2	2	26	3	5	S	—	1
750 to 999 lb	S	S	S	16	2	4	S	S	S
1,000 to 9,999 lb	382	29	40	318	23	49	S	S	29
10,000 to 49,999 lb	105	24	30	228	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	631	572	804	952	832	1 824	282	179	482
Less than 50 lb	67	4	5	89	4	9	20	—	1
50 to 99 lb	S	S	S	21	S	S	9	—	1
100 to 499 lb	39	4	6	55	8	17	22	1	3
500 to 749 lb	S	2	2	S	1	2	10	1	2
750 to 999 lb	S	S	S	S	1	2	S	S	S
1,000 to 9,999 lb	63	38	51	144	43	91	70	15	S
10,000 to 49,999 lb	391	262	370	579	379	828	146	128	331
50,000 to 99,999 lb	S	S	S	S	40	87	S	S	S
100,000 lb or more	22	255	359	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	1 814	1 668	2 340	1 996	1 441	3 290	425	412	1 064
Less than 50 lb	48	1	1	S	1	2	S	S	S
50 to 99 lb	39	1	1	28	2	4	S	S	S
100 to 499 lb	89	9	13	89	7	15	S	2	6
500 to 749 lb	26	3	4	S	5	11	10	2	3
750 to 999 lb	23	4	6	S	7	15	8	S	S
1,000 to 9,999 lb	358	155	220	325	79	170	62	14	35
10,000 to 49,999 lb	917	853	1 208	599	442	953	227	178	448
50,000 to 99,999 lb	S	S	S	S	56	119	S	S	S
100,000 lb or more	292	593	816	631	842	2 002	S	209	554
SCTG 33, Articles of base metal	3 120	1 921	2 806	3 031	555	1 190	737	188	489
Less than 50 lb	260	8	11	S	S	S	89	1	3
50 to 99 lb	93	5	7	89	6	14	S	S	S
100 to 499 lb	370	39	56	S	45	92	56	4	11
500 to 749 lb	72	9	13	86	9	18	S	S	S
750 to 999 lb	50	7	10	85	11	23	9	S	S
1,000 to 9,999 lb	702	240	344	639	148	310	148	24	57
10,000 to 49,999 lb	875	435	618	435	244	527	97	44	118
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	677	1 151	1 711	S	S	S	S	S	S
SCTG 34, Machinery	8 988	1 193	1 678	7 307	943	2 114	907	S	S
Less than 50 lb	695	8	11	914	12	25	164	2	7
50 to 99 lb	183	3	5	133	4	9	35	S	S
100 to 499 lb	673	39	57	799	39	81	60	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	187	12	18	225	11	22	S	S	S
1,000 to 9,999 lb	1 583	141	201	1 483	144	303	140	S	119
10,000 to 49,999 lb	4 232	825	1 153	2 305	402	894	S	S	S
50,000 to 99,999 lb	434	76	115	S	41	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	8 428	796	1 210	8 368	733	1 565	968	49	131
Less than 50 lb	1 174	13	18	1 826	19	40	319	3	8
50 to 99 lb	322	9	13	369	9	19	80	1	4
100 to 499 lb	1 268	34	47	1 332	43	91	166	5	13
500 to 749 lb	286	13	20	370	18	38	14	S	S
750 to 999 lb	161	8	12	211	8	17	S	1	1
1,000 to 9,999 lb	2 049	129	188	1 521	139	306	197	11	31
10,000 to 49,999 lb	3 152	581	900	2 441	438	922	142	20	54
50,000 to 99,999 lb	S	S	S	233	52	115	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	16 599	2 259	3 433	12 029	1 260	2 906	1 752	276	746
Less than 50 lb	271	9	14	281	12	25	52	2	5
50 to 99 lb	187	6	9	S	4	7	S	S	S
100 to 499 lb	527	23	33	357	16	34	18	1	4
500 to 749 lb	84	7	10	109	8	18	5	1	2
750 to 999 lb	80	5	9	S	10	22	S	S	S
1,000 to 9,999 lb	4 132	560	839	3 371	321	753	1 185	126	351
10,000 to 49,999 lb	6 181	1 192	1 857	4 460	596	1 363	463	S	S
50,000 to 99,999 lb	4 672	428	620	2 940	257	603	—	—	—
100,000 lb or more	S	28	43	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	923	40	57	776	19	41	124	S	S
Less than 50 lb	263	1	1	343	—	1	S	S	S
50 to 99 lb	S	—	—	S	—	—	S	S	S
100 to 499 lb	S	1	1	115	1	2	S	—	1
500 to 749 lb	S	—	—	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	7	10	58	5	10	S	S	S
10,000 to 49,999 lb	107	15	21	121	12	26	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	1 716	28	39	1 738	20	42	452	4	10
Less than 50 lb	812	4	6	999	6	12	164	1	2
50 to 99 lb	91	1	2	187	2	4	13	—	—
100 to 499 lb	348	6	8	281	4	9	125	1	2
500 to 749 lb	S	S	S	S	1	1	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	330	8	10	196	5	11	S	S	S
10,000 to 49,999 lb	58	6	9	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	1 685	294	418	1 515	409	934	S	24	S
Less than 50 lb	37	1	2	53	2	4	S	—	1
50 to 99 lb	14	2	3	28	2	5	S	S	S
100 to 499 lb	138	21	31	144	23	47	S	S	S
500 to 749 lb	S	14	19	53	6	14	S	S	S
750 to 999 lb	34	5	7	42	5	10	S	S	S
1,000 to 9,999 lb	708	106	141	464	69	151	36	5	13
10,000 to 49,999 lb	655	145	S	693	171	396	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	3 177	584	863	5 247	1 211	2 557	745	89	224
Less than 50 lb	850	21	29	1 150	28	59	328	7	19
50 to 99 lb	183	9	12	228	10	21	43	2	5
100 to 499 lb	521	36	49	707	51	108	135	10	26
500 to 749 lb	59	7	10	217	21	45	13	2	4
750 to 999 lb	60	8	12	87	8	17	S	S	S
1,000 to 9,999 lb	725	123	175	1 683	231	493	138	25	64
10,000 to 49,999 lb	689	268	380	1 154	383	824	49	23	57
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	36	160	244	31	84	196	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	7	31	49	22	43	103	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	83	122	S	17	38	—	—	—
SCTG 43, Mixed freight	187	40	54	299	97	212	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	9	1	1	S	1	2	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	12	25	—	—	—
10,000 to 49,999 lb	S	27	35	132	56	124	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	285	53	81	269	29	61	S	S	S
Less than 50 lb	48	1	2	80	2	4	S	S	S
50 to 99 lb	2	—	—	S	S	S	S	S	S
100 to 499 lb	13	1	2	10	1	2	S	S	S
500 to 749 lb	6	1	1	S	—	1	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	37	4	6	46	4	7	S	S	S
10,000 to 49,999 lb	64	22	32	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in

1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

Item	1993	1997
1. Industry coverage	Manufacturers (minor exceptions) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses Auxiliaries (e.g., warehouses)
2. Commodity classification system	Standard Transportation Commodity Classification (STCC), developed by the American Association of Railroads (AAR).	Standard Classification of Transported Goods (SCTG).
3. Sample size	Approximately 200,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1992 Standard Statistical Establishment List (SSEL).	Approximately 100,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1995 Standard Statistical Establishment List (SSEL).
4. Survey methodology	Respondents took a sample of their individual outbound shipments for a 2-week period during each of the four calendar quarters of 1993. Respondents reported key characteristics for each sampled shipment.	Respondents took a sample of their individual outbound shipments for a 1-week period during each of the four calendar quarters of 1997. Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	For each shipment: Total value Total weight Major commodity (STCC) All modes of transportation Multiple origins (respondents specifically requested to report all shipment origins for the sampled establishment and report the appropriate origin for each shipment; assumed to always be the mailing address if no other origins listed). Destination Containerized (Y/N) Hazardous material (Y/N) Export (Y/N) If export, mode of export, foreign country, and city of destination.	For each shipment: Total value Total weight Major commodity (SCTG) All modes of transportation Single origin (assumed to be the mailing address unless the respondent provided a different physical location address). Destination Containerized (Y/N) Hazardous material (UN/NA codes) Export (Y/N) If export, mode of export, foreign country, and city of destination.

Appendix B. Reliability of the Estimates

An estimate based on a sample survey potentially contains two types of errors—sampling and nonsampling. Sampling error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The bias of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. Variance is the squared difference, averaged over all possible samples of the same size and design, between an estimator and its average value. Descriptions of sampling and nonsampling errors for the 1997 Commodity Flow Survey (CFS) are provided in the following sections.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of all the shipments made in 1997 from all establishments included on the CFS sampling frame is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling. (See Appendix C for a description of the sample design.)

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the

sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

An estimate of an unknown population value and its approximate standard error can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability, or confidence, of containing the unknown population value. If, for each possible sample, an estimate of an unknown population value and the estimate's approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the unknown population value.
2. For approximately 95 percent of the possible samples, the interval from two standard errors below to two standard errors above the estimate would include the unknown population value.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources: (1) nonresponse, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) other errors of collection, response, coverage, and processing. Although no direct measurement of the potential biases because of nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize its influence.

A potentially large source of bias in the estimates is due to nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all the selected establishments. Four levels of nonresponse can occur in the CFS: item, shipment, quarter (reporting week), and establishment. Item nonresponse

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been

returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

Some possible sources of bias that are attributed to respondent-conducted sampling include misunderstanding the definition of a shipment, constructing an incomplete frame of shipments from which to sample, ordering the shipment sampling frame by selected shipment characteristics, and selecting shipment records by a method other than the one specified in the questionnaire's instructions. We often contacted respondents who reported shipments having atypically large value or weight when compared to the rest of their reported shipments. Upon contact, if we are able to collect information on all of a given respondent's large shipments made either for a particular reporting week or for the entire quarter, then we identify these large shipments as certainty shipments. (See Appendix C for a description of how certainty shipments are used in the estimation process.)

Table B–1a. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	1.3	—	4.5	—	2.6	—	4.8
Single modes	1.2	.5	4.9	.6	2.7	.5	3.8
Truck	1.5	.5	6.2	1.4	2.2	.9	4.1
For-hire truck	2.3	.7	11.1	2.2	2.4	.9	5.6
Private truck	1.6	.5	5.8	1.7	5.4	.5	3.2
Rail	7.4	.5	6.6	.7	8.0	1.4	6.6
Water	10.3	—	12.8	.6	8.3	1.1	S
Shallow draft	11.8	—	15.5	.5	10.1	1.1	S
Great Lakes	28.8	—	21.8	.4	21.5	.6	13.6
Deep draft	S	S	S	S	S	S	22.5
Air (includes truck and air)	7.9	.1	16.4	—	11.8	—	2.8
Pipeline	20.8	.2	21.3	.8	S	S	S
Multiple modes	4.0	.5	9.5	.2	7.4	.5	4.7
Parcel, U.S. Postal Service or courier	4.5	.4	4.4	—	7.1	—	4.7
Truck and rail	13.5	.3	29.1	.2	7.4	.2	6.6
Truck and water	31.5	—	30.6	.1	31.5	.3	17.8
Rail and water	28.7	—	28.4	.2	27.6	.5	24.2
Other multiple modes	40.3	—	26.8	.2	35.6	.3	S
Other and unknown modes	13.9	.5	19.3	.5	13.2	.3	11.2

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	1.3	1.7	2.5	4.5	2.3	6.1	2.6	4.4	5.8	4.8	4.0	6.7
Single modes	1.2	1.7	2.4	4.9	2.3	6.6	2.7	4.6	6.1	3.8	3.9	5.6
Truck	1.5	1.5	2.4	6.2	3.0	8.7	2.2	6.4	7.8	4.1	4.8	6.5
For-hire truck	2.3	2.5	3.9	11.1	3.8	16.4	2.4	7.9	9.4	5.6	2.4	5.9
Private truck	1.6	2.6	3.4	5.8	4.2	8.0	5.4	4.0	7.9	3.2	3.3	4.4
Rail	7.4	6.7	14.1	6.6	5.7	9.1	8.0	4.6	9.3	6.6	5.8	8.9
Water	10.3	14.9	24.8	12.8	11.7	21.0	8.3	19.9	29.0	S	17.0	S
Shallow draft	11.8	17.5	29.5	15.5	19.3	30.0	10.1	25.6	37.8	S	17.2	S
Great Lakes	28.8	S	S	21.8	22.7	38.6	21.5	22.6	40.5	13.6	14.4	12.3
Deep draft	S	S	S	S	S	S	S	S	S	22.5	20.3	39.0
Air (includes truck and air)	7.9	10.3	13.0	16.4	31.9	41.6	11.8	22.7	30.2	2.8	2.4	3.7
Pipeline	20.8	15.5	31.9	21.3	16.7	28.4	S	S	S	S	S	S
Multiple modes	4.0	4.8	7.8	9.5	22.3	23.7	7.4	21.5	22.1	4.7	3.2	5.9
Parcel, U.S. Postal Service or courier	4.5	2.9	7.1	4.4	3.4	7.0	7.1	5.2	11.4	4.7	3.3	5.9
Truck and rail	13.5	19.9	25.6	29.1	14.9	58.1	7.4	15.3	25.9	6.6	4.3	8.6
Truck and water	31.5	S	S	30.6	S	S	31.5	S	S	17.8	21.0	35.6
Rail and water	28.7	32.5	32.4	28.4	33.5	43.1	27.6	28.0	39.2	24.2	24.3	78.1
Other multiple modes	40.3	S	S	26.8	32.7	61.8	35.6	29.2	53.2	S	19.1	S
Other and unknown modes ...	13.9	7.6	23.2	19.3	17.0	25.7	13.2	14.0	26.4	11.2	14.2	7.9

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1c. **Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Division: Percent of Total 1997 and 1993**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes	.5	.5	.6	.7	.5	1.4
Truck	.5	.5	1.4	1.3	.9	1.8
For-hire truck	.7	.7	2.2	1.0	.9	1.6
Private truck	.5	.8	1.7	1.2	.5	.6
Rail	.5	.3	.7	.7	1.4	1.3
Water	—	—	.6	.5	1.1	2.0
Shallow draft	—	—	.5	.5	1.1	2.1
Great Lakes	—	S	.4	.3	.6	.5
Deep draft	S	S	S	S	S	S
Air (includes truck and air)	.1	.1	—	—	—	—
Pipeline	.2	.1	.8	.7	S	S
Multiple modes	.5	.5	.2	.6	.5	1.4
Parcel, U.S. Postal Service or courier	.4	.3	—	—	—	—
Truck and rail	.3	.5	.2	—	.2	.3
Truck and water	—	S	.1	S	.3	S
Rail and water	—	—	.2	.2	.5	.6
Other multiple modes	—	S	.2	.1	.3	.3
Other and unknown modes	.5	.3	.5	.5	.3	.4

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-2. **Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Division: 1997**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	2.6	—	4.8
Truck	2.2	.9	4.1
Rail	7.4	1.5	6.8
Shallow draft	9.5	1.2	S
Great Lakes	18.9	.7	19.1
Deep draft	S	S	12.9
Air	11.8	—	2.9
Parcel, U.S. Postal Service or courier	7.1	—	4.7
Pipeline	S	S	S
Other and unknown modes	13.2	.3	11.2

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	1.3	—	4.5	—	2.6	—
Less than 50 miles	2.7	.6	6.8	1.3	7.1	.5
50 to 99 miles	3.0	.3	7.0	.6	6.8	.3
100 to 249 miles	2.6	.4	3.5	.5	4.0	.5
250 to 499 miles	3.3	.4	4.2	.4	4.3	.9
500 to 749 miles	2.0	.2	7.5	.4	8.4	1.4
750 to 999 miles	3.6	.2	6.1	.2	6.1	.7
1,000 to 1,499 miles	4.5	.2	5.4	—	5.3	.4
1,500 to 1,999 miles	3.6	.2	5.2	—	5.1	.5
2,000 miles or more	6.3	—	9.0	—	9.2	.2
Single modes	1.2	—	4.9	—	2.7	—
Less than 50 miles	2.5	.6	7.1	1.3	7.4	.5
50 to 99 miles	3.1	.3	7.2	.5	6.9	.3
100 to 249 miles	2.6	.5	3.1	.5	3.6	.4
250 to 499 miles	3.7	.5	4.4	.4	4.8	.9
500 to 749 miles	2.6	.3	7.7	.4	8.7	1.5
750 to 999 miles	4.5	.2	6.0	.2	5.8	.7
1,000 to 1,499 miles	4.1	.2	4.8	—	4.7	.3
1,500 to 1,999 miles	2.8	.1	6.2	—	6.2	.5
2,000 miles or more	8.2	—	11.2	—	11.6	.1
Truck	1.5	—	6.2	—	2.2	—
Less than 50 miles	2.5	.6	8.4	1.2	8.6	.9
50 to 99 miles	3.3	.3	7.8	.6	7.3	.5
100 to 249 miles	2.6	.5	3.0	.4	3.0	.6
250 to 499 miles	4.1	.5	4.0	.4	4.3	.8
500 to 749 miles	2.6	.2	4.1	.2	4.1	.5
750 to 999 miles	5.9	.3	10.1	.1	9.4	.8
1,000 to 1,499 miles	4.2	.1	5.3	—	5.2	.4
1,500 to 1,999 miles	3.7	.1	7.2	—	7.2	.7
2,000 miles or more	7.6	—	9.8	—	9.9	.1
For-hire truck	2.3	—	11.1	—	2.4	—
Less than 50 miles	5.3	.8	18.4	2.4	17.6	1.0
50 to 99 miles	4.1	.3	12.4	1.0	11.3	.5
100 to 249 miles	3.5	.7	3.0	.7	2.8	.5
250 to 499 miles	4.7	.7	4.5	.8	4.8	.8
500 to 749 miles	3.4	.4	4.1	.5	4.1	.7
750 to 999 miles	6.3	.3	5.6	.2	5.6	.5
1,000 to 1,499 miles	5.0	.2	5.9	.1	5.9	.5
1,500 to 1,999 miles	3.9	.2	5.9	.1	6.0	.7
2,000 miles or more	8.4	—	9.6	—	9.7	.1
Private truck	1.6	—	5.8	—	5.4	—
Less than 50 miles	2.2	.9	7.0	1.3	8.5	1.8
50 to 99 miles	4.4	.5	5.9	.7	5.5	.8
100 to 249 miles	4.1	.5	6.0	.6	6.2	1.3
250 to 499 miles	6.4	.4	6.6	.2	6.9	1.0
500 to 749 miles	7.5	.3	12.2	.1	11.5	1.0
750 to 999 miles	11.8	.2	48.8	.2	46.5	2.1
1,000 to 1,499 miles	14.6	.1	11.9	—	13.4	.4
1,500 to 1,999 miles	13.3	.1	35.9	—	35.6	1.6
2,000 miles or more	27.9	—	31.5	—	32.1	.2
Rail	7.4	—	6.6	—	8.0	—
Less than 50 miles	20.7	1.7	17.4	3.7	15.8	.4
50 to 99 miles	14.1	.6	14.2	1.3	13.2	.4
100 to 249 miles	24.2	2.5	10.6	1.8	12.0	1.2
250 to 499 miles	12.9	1.6	10.8	1.8	11.9	2.1
500 to 749 miles	9.3	1.2	18.0	1.9	20.5	2.9
750 to 999 miles	12.9	.8	13.9	.7	13.5	1.4
1,000 to 1,499 miles	16.6	1.3	14.0	.4	13.7	.9
1,500 to 1,999 miles	11.2	1.0	12.2	.3	12.2	1.1
2,000 miles or more	26.6	.3	29.6	—	29.6	.4
Water	10.3	—	12.8	—	8.3	—
Less than 50 miles	33.2	3.9	26.8	2.5	28.3	.1
50 to 99 miles	21.0	.6	33.0	.9	27.8	.2
100 to 249 miles	27.2	1.3	29.6	3.3	24.9	1.6
250 to 499 miles	23.6	3.6	19.9	3.7	18.9	3.3
500 to 749 miles	17.5	5.0	14.9	4.4	15.0	5.2
750 to 999 miles	13.5	4.3	14.6	2.8	14.3	3.5
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Shallow draft	11.8	—	15.5	—	10.1	—
Less than 50 miles	43.4	3.5	33.6	3.2	30.2	.2
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	35.0	2.4	S	S	38.0	1.0
250 to 499 miles	29.2	4.1	24.5	3.3	24.8	2.5
500 to 749 miles	18.7	5.7	15.9	4.8	16.0	5.2
750 to 999 miles	13.5	4.7	14.6	4.1	14.3	4.6
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	28.8	—	21.8	—	21.5	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	16.8	5.1	38.4	3.1	34.4	1.7
100 to 249 miles	31.1	5.2	26.8	4.9	26.3	4.8
250 to 499 miles	42.2	5.0	26.7	5.6	25.8	6.8
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	7.9	—	16.4	—	11.8	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	23.8	1.5	27.1	1.3	25.0	.3
100 to 249 miles	17.2	2.0	33.4	4.3	27.1	1.7
250 to 499 miles	13.9	1.6	24.3	1.9	24.6	1.8
500 to 749 miles	12.0	1.9	19.0	2.4	18.5	2.4
750 to 999 miles	8.9	1.0	31.8	2.9	29.2	3.1
1,000 to 1,499 miles	11.0	1.1	20.5	1.9	19.5	2.6
1,500 to 1,999 miles	14.4	1.9	18.0	2.0	19.9	3.2
2,000 miles or more	16.1	.6	38.9	1.6	44.9	3.8
Pipeline	20.8	—	21.3	—	S	S
Less than 50 miles	19.3	6.3	20.2	5.7	S	S
50 to 99 miles	41.5	4.6	30.6	3.3	S	S
100 to 249 miles	32.4	4.8	31.4	4.8	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	4.0	—	9.5	—	7.4	—
Less than 50 miles	6.1	.9	25.9	1.6	38.7	.4
50 to 99 miles	5.6	.3	S	S	49.7	1.0
100 to 249 miles	5.6	.6	15.5	3.5	17.5	2.4
250 to 499 miles	5.9	.6	21.5	4.2	21.4	3.9
500 to 749 miles	6.3	.7	21.0	3.1	19.5	3.1
750 to 999 miles	6.1	.5	24.0	1.2	28.1	2.6
1,000 to 1,499 miles	11.1	.7	18.1	.6	17.7	.9
1,500 to 1,999 miles	7.3	.5	5.5	1.1	5.6	1.9
2,000 miles or more	11.9	.2	22.2	.3	20.8	1.0
Parcel, U.S. Postal Service or courier	4.5	—	4.4	—	7.1	—
Less than 50 miles	5.9	.8	8.0	1.2	7.2	—
50 to 99 miles	5.8	.4	5.7	.4	6.3	.1
100 to 249 miles	4.4	.7	4.4	.8	4.4	.4
250 to 499 miles	5.9	.5	6.3	.7	6.7	.5
500 to 749 miles	7.6	.6	9.2	.8	9.1	.7
750 to 999 miles	7.4	.5	10.6	.7	10.3	1.0
1,000 to 1,499 miles	5.0	.2	6.6	.3	6.6	.6
1,500 to 1,999 miles	12.0	.5	14.2	.6	14.3	1.3
2,000 miles or more	10.9	.1	10.5	.1	9.7	.4
Truck and rail	13.5	—	29.1	—	7.4	—
Less than 50 miles	32.6	.6	S	S	S	S
50 to 99 miles	38.4	.6	S	S	S	S
100 to 249 miles	28.8	1.0	S	S	S	S
250 to 499 miles	20.7	2.3	17.3	2.0	17.6	1.0
500 to 749 miles	17.6	1.9	12.0	1.6	12.0	.9
750 to 999 miles	15.6	1.0	15.3	1.8	14.8	1.4
1,000 to 1,499 miles	28.9	2.1	23.7	1.6	22.7	1.8
1,500 to 1,999 miles	10.4	3.0	6.2	3.4	6.2	2.7
2,000 miles or more	19.3	1.1	25.6	1.7	25.0	2.2
Truck and water	31.5	—	30.6	—	31.5	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	47.0	3.8	S	S
250 to 499 miles	S	S	41.4	13.5	39.3	13.8
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	33.8	11.5	32.4	14.3	37.2	14.3

See footnotes at end of table.

Table B–3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	28.7	—	28.4	—	27.6	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	38.2	6.8	39.1	7.0	42.6	6.7
250 to 499 miles	S	S	49.1	8.5	47.7	8.4
500 to 749 miles	34.5	7.5	44.4	7.6	43.2	8.2
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	40.3	—	26.8	—	35.6	—
Less than 50 miles	42.9	8.7	41.5	8.6	S	S
50 to 99 miles	37.5	5.1	S	S	S	S
100 to 249 miles	S	S	29.2	10.2	30.7	9.5
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	13.9	—	19.3	—	13.2	—
Less than 50 miles	12.3	3.2	25.1	4.8	17.6	1.2
50 to 99 miles	12.5	1.0	24.2	1.2	23.8	.5
100 to 249 miles	13.0	1.2	S	S	43.8	2.7
250 to 499 miles	20.9	1.0	17.1	1.0	15.7	1.9
500 to 749 miles	24.4	.9	24.5	.5	23.7	2.0
750 to 999 miles	22.2	.5	25.2	1.5	25.6	2.7
1,000 to 1,499 miles	S	S	39.6	1.3	40.4	2.9
1,500 to 1,999 miles	35.5	.9	34.8	1.0	34.0	2.5
2,000 miles or more	23.3	.2	29.3	.3	29.3	3.0

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	1.3	—	4.5	—	2.6	—	4.8
Less than 50 lb	3.8	.3	5.0	—	6.9	—	4.8
50 to 99 lb	5.7	.2	5.1	—	7.4	—	4.9
100 to 499 lb	2.5	.2	4.1	—	3.7	—	3.6
500 to 749 lb	4.6	.1	3.9	—	16.7	—	9.4
750 to 999 lb	3.4	—	3.1	—	2.7	—	2.3
1,000 to 9,999 lb	2.9	.6	5.7	.4	4.3	.4	3.0
10,000 to 49,999 lb	2.1	.6	4.3	1.6	2.4	.9	3.3
50,000 to 99,999 lb	10.7	.7	8.8	1.2	6.6	.5	4.1
100,000 lb or more	6.1	.4	11.5	2.1	4.5	1.0	14.4
Single modes	1.2	—	4.9	—	2.7	—	3.8
Less than 50 lb	4.6	.1	6.3	—	9.9	—	8.2
50 to 99 lb	6.9	.1	5.5	—	12.3	—	12.0
100 to 499 lb	2.9	.2	4.4	—	4.4	—	4.5
500 to 749 lb	5.1	.2	4.1	—	18.2	.1	10.0
750 to 999 lb	3.4	—	3.3	—	2.8	—	2.5
1,000 to 9,999 lb	2.5	.6	5.9	.5	4.2	.3	3.0
10,000 to 49,999 lb	2.2	.7	4.5	1.7	2.5	.9	3.4
50,000 to 99,999 lb	11.0	.8	9.1	1.2	6.9	.5	3.5
100,000 lb or more	6.5	.4	12.5	2.1	4.5	1.0	14.5
Truck	1.5	—	6.2	—	2.2	—	4.1
Less than 50 lb	6.0	.2	6.6	—	10.9	—	10.7
50 to 99 lb	7.8	.1	5.5	—	12.9	—	13.2
100 to 499 lb	3.1	.2	4.5	—	4.4	—	4.9
500 to 749 lb	5.3	.2	4.1	—	18.6	.2	10.3
750 to 999 lb	3.6	—	3.3	—	2.9	—	2.5
1,000 to 9,999 lb	2.4	.6	6.1	.7	4.5	.6	3.0
10,000 to 49,999 lb	2.4	.7	4.5	2.1	2.7	1.2	3.4
50,000 to 99,999 lb	9.3	.6	9.2	1.3	7.5	.7	3.1
100,000 lb or more	10.6	.2	32.8	2.4	13.4	.9	26.4
For-hire truck	2.3	—	11.1	—	2.4	—	5.6
Less than 50 lb	14.5	.2	17.0	—	16.1	—	15.7
50 to 99 lb	16.0	.1	13.2	—	17.7	—	8.3
100 to 499 lb	5.6	.3	6.3	—	5.5	—	3.7
500 to 749 lb	9.1	.3	8.3	—	22.2	.2	8.4
750 to 999 lb	5.4	.1	3.9	—	3.9	—	3.3
1,000 to 9,999 lb	3.2	.8	8.0	.7	5.2	.7	3.3
10,000 to 49,999 lb	3.3	.9	3.8	2.6	2.6	1.3	3.5
50,000 to 99,999 lb	7.7	.4	10.4	1.6	7.9	.6	5.2
100,000 lb or more	15.0	.2	S	S	21.8	1.2	43.8
Private truck	1.6	—	5.8	—	5.4	—	3.2
Less than 50 lb	5.1	.3	8.3	—	9.6	—	7.7
50 to 99 lb	5.5	.1	7.0	—	5.4	—	4.2
100 to 499 lb	3.1	.3	5.7	—	4.3	—	5.7
500 to 749 lb	3.8	.1	4.6	—	5.8	—	5.4
750 to 999 lb	5.4	.1	4.7	—	4.8	—	6.8
1,000 to 9,999 lb	1.9	.7	5.4	.8	4.5	.7	3.7
10,000 to 49,999 lb	3.0	.8	7.9	1.9	8.3	2.2	5.4
50,000 to 99,999 lb	14.6	1.0	10.5	1.7	9.1	1.6	5.9
100,000 lb or more	14.8	.2	15.4	1.4	22.5	2.0	30.9
Rail	7.4	—	6.6	—	8.0	—	6.6
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	43.1	—	S
100 to 499 lb	48.5	.1	49.5	—	33.0	—	S
500 to 749 lb	34.3	—	43.4	—	31.3	—	S
750 to 999 lb	46.6	—	42.0	—	41.8	—	29.0
1,000 to 9,999 lb	28.6	2.4	24.4	—	28.8	.2	9.9
10,000 to 49,999 lb	17.0	3.1	14.5	.3	16.9	.9	4.9
50,000 to 99,999 lb	25.3	3.4	9.6	.4	10.2	.6	7.6
100,000 lb or more	9.8	4.1	6.8	.5	8.7	1.1	3.8
Water	10.3	—	12.8	—	8.3	—	S
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	21.9
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	22.4
100,000 lb or more	10.4	1.5	12.9	.7	8.3	—	6.9
Shallow draft	11.8	—	15.5	—	10.1	—	S
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	21.4
50,000 to 99,999 lb	S	S	S	S	S	S	22.4
100,000 lb or more	12.0	1.7	15.7	.9	10.1	—	8.2

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	28.8	—	21.8	—	21.5	—	13.6
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	22.4
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	28.8	—	21.8	—	21.5	—	13.4
Deep draft	S	S	S	S	S	S	22.5
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	22.4
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Air (includes truck and air)	7.9	—	16.4	—	11.8	—	2.8
Less than 50 lb	10.2	2.0	11.3	1.5	13.8	1.6	2.9
50 to 99 lb	10.4	.9	14.7	.7	15.2	.8	4.7
100 to 499 lb	8.3	1.6	10.3	2.5	15.0	2.2	5.1
500 to 749 lb	19.1	.7	20.7	.9	26.2	1.2	9.2
750 to 999 lb	26.5	.7	16.0	.6	17.6	.5	9.8
1,000 to 9,999 lb	14.0	1.5	13.5	2.7	16.4	2.8	8.3
10,000 to 49,999 lb	28.0	1.3	28.8	6.0	26.9	5.7	19.6
50,000 to 99,999 lb	S	S	43.7	.8	S	S	20.0
100,000 lb or more	S	S	S	S	47.2	.5	22.5
Pipeline	20.8	—	21.3	—	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S
100,000 lb or more	20.9	.9	21.4	.3	S	S	S
Multiple modes	4.0	—	9.5	—	7.4	—	4.7
Less than 50 lb	4.2	1.7	5.6	.6	8.1	.4	4.9
50 to 99 lb	8.1	.5	7.5	.3	8.5	.2	2.3
100 to 499 lb	6.6	.7	4.8	.4	8.7	.3	4.3
500 to 749 lb	11.9	.2	10.4	—	13.7	—	8.6
750 to 999 lb	19.8	.2	24.5	.1	17.4	—	21.8
1,000 to 9,999 lb	18.9	1.5	14.2	1.0	16.4	1.1	18.0
10,000 to 49,999 lb	15.1	1.3	9.5	2.9	8.5	3.5	2.8
50,000 to 99,999 lb	S	S	35.1	.5	42.0	.7	24.1
100,000 lb or more	26.4	.3	13.2	4.9	12.9	4.0	9.4
Parcel, U.S. Postal Service or courier	4.5	—	4.4	—	7.1	—	4.7
Less than 50 lb	4.2	1.0	5.6	1.2	8.1	1.6	4.9
50 to 99 lb	8.1	.6	7.5	.6	8.6	.7	2.3
100 to 499 lb	6.7	.7	4.9	.9	8.9	1.2	4.4
500 to 749 lb	11.6	.2	10.0	.5	11.7	.5	9.3
750 to 999 lb	20.9	.2	25.3	.8	16.5	.3	22.3
1,000 to 9,999 lb	38.4	—	30.2	—	46.3	—	24.5
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	13.5	—	29.1	—	7.4	—	6.6
Less than 50 lb	S	S	27.9	—	31.3	—	12.3
50 to 99 lb	38.6	—	36.7	—	38.8	—	16.3
100 to 499 lb	43.9	.5	30.3	—	31.8	—	11.2
500 to 749 lb	43.0	—	S	S	S	S	15.8
750 to 999 lb	S	S	33.2	—	45.9	—	14.7
1,000 to 9,999 lb	20.7	5.8	19.9	2.9	18.1	2.3	11.3
10,000 to 49,999 lb	15.2	5.3	9.6	6.4	8.6	3.9	2.9
50,000 to 99,999 lb	S	S	41.6	2.6	40.0	1.8	26.6
100,000 lb or more	26.1	.7	S	S	27.1	3.0	15.1
Truck and water	31.5	—	30.6	—	31.5	—	17.8
Less than 50 lb	S	S	S	S	S	S	30.0
50 to 99 lb	S	S	S	S	S	S	21.9
100 to 499 lb	49.3	3.9	46.3	3.1	44.7	3.0	19.9
500 to 749 lb	S	S	S	S	S	S	24.0
750 to 999 lb	S	S	48.3	.8	S	S	21.2
1,000 to 9,999 lb	43.9	9.1	42.6	9.9	S	S	15.3
10,000 to 49,999 lb	S	S	S	S	S	S	36.8
50,000 to 99,999 lb	S	S	S	S	S	S	22.1
100,000 lb or more	43.3	11.7	31.0	15.0	32.1	14.9	35.0

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	28.7	—	28.4	—	27.6	—	24.2
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	22.4
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	S	S	S	S	S	S	22.4
100,000 lb or more	28.6	5.1	28.2	5.1	27.3	5.1	18.3
Other multiple modes	40.3	—	26.8	—	35.6	—	S
Less than 50 lb	S	S	S	S	S	S	20.8
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	49.4	.5	S	S	S	S	26.4
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	21.2
1,000 to 9,999 lb	44.2	9.4	46.1	9.9	S	S	S
10,000 to 49,999 lb	46.9	1.7	S	S	S	S	45.0
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	28.4	13.8	36.0	13.6	18.4
Other and unknown modes	13.9	—	19.3	—	13.2	—	11.2
Less than 50 lb	7.7	1.3	9.0	—	11.1	—	15.2
50 to 99 lb	8.7	.4	13.5	—	15.3	—	22.3
100 to 499 lb	6.2	.8	7.8	.3	21.0	.3	30.0
500 to 749 lb	22.4	.5	11.8	.1	16.5	—	15.3
750 to 999 lb	20.3	.3	14.1	.1	24.5	—	20.2
1,000 to 9,999 lb	16.1	3.2	10.9	2.6	8.5	2.0	15.1
10,000 to 49,999 lb	11.9	2.5	15.3	4.2	11.4	4.9	13.7
50,000 to 99,999 lb	S	S	27.7	2.7	28.8	2.8	16.2
100,000 lb or more	15.4	1.3	29.0	6.0	31.0	5.6	36.3

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	1.3	—	4.5	—	2.6	—	4.8
01	Live animals and live fish	30.2	—	28.8	—	34.5	—	14.0
02	Cereal grains	9.4	—	8.2	.6	9.4	.9	19.6
03	Other agricultural products	7.3	—	7.3	.2	15.7	.8	17.1
04	Animal feed and products of animal origin, n.e.c.	10.4	—	7.9	.2	10.7	.3	20.7
05	Meat, fish, seafood, and their preparations	8.4	.2	7.4	—	11.0	.1	27.9
06	Milled grain products and preparations, and bakery products	5.9	.1	10.0	—	12.2	.3	27.3
07	Other prepared foodstuffs and fats and oils	3.5	.2	4.9	.2	7.3	.5	20.2
08	Alcoholic beverages	7.5	—	11.4	—	30.4	.1	8.0
09	Tobacco products	14.9	—	16.9	—	36.1	—	16.1
10	Monumental or building stone	35.6	—	33.9	—	15.9	—	42.2
11	Natural sands	27.0	—	32.3	1.1	21.7	.3	19.9
12	Gravel and crushed stone	8.7	—	7.7	1.4	13.6	.7	7.8
13	Nonmetallic minerals n.e.c.	12.7	—	23.6	.6	21.4	.3	25.1
14	Metallic ores and concentrates	19.8	—	31.8	.2	42.2	.3	10.5
15	Coal	11.7	—	12.4	.8	14.7	.8	16.8
17	Gasoline and aviation turbine fuel	16.0	.5	13.6	1.0	25.6	.6	8.6
18	Fuel oils	10.3	.1	11.4	.4	12.6	.1	10.3
19	Coal and petroleum products, n.e.c.	14.0	.1	16.0	.6	18.0	.4	22.6
20	Basic chemicals	5.7	—	16.9	.3	15.5	.3	23.6
21	Pharmaceutical products	16.0	.4	12.9	—	14.9	—	9.6
22	Fertilizers	39.5	.1	44.1	.6	S	S	21.9
23	Chemical products and preparations, n.e.c.	6.7	.2	9.3	.1	7.6	.3	8.7
24	Plastics and rubber	4.7	.2	5.0	—	5.1	.1	6.5
25	Logs and other wood in the rough	15.7	—	21.2	—	25.7	—	15.8
26	Wood products	6.6	—	17.6	.3	9.6	.1	11.0
27	Pulp, newsprint, paper, and paperboard	10.1	.2	31.9	.5	14.9	.5	14.4
28	Paper or paperboard articles	6.2	—	7.1	—	8.8	—	8.9
29	Printed products	8.9	.3	10.6	—	21.9	.3	12.3
30	Textiles, leather, and articles of textiles or leather	12.6	.2	16.4	—	29.0	.1	4.7
31	Nonmetallic mineral products	3.0	—	44.6	2.4	15.8	.6	15.3
32	Base metal in primary or semifinished forms and in finished basic shapes	4.6	.3	9.7	.9	6.6	.7	4.9
33	Articles of base metal	6.7	.3	7.3	.1	11.5	.3	9.2
34	Machinery	4.1	.4	6.5	—	13.0	.4	5.9
35	Electronic and other electrical equipment and components and office equipment	5.2	.4	5.2	—	6.3	—	4.4
36	Motorized and other vehicles (including parts)	5.9	1.0	8.0	.2	7.0	.4	10.6
37	Transportation equipment, n.e.c.	11.7	—	19.4	—	26.0	—	4.9
38	Precision instruments and apparatus	5.5	—	11.6	—	12.5	—	5.4
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7.7	.1	13.1	—	18.9	.1	7.1
40	Miscellaneous manufactured products	4.9	.3	5.8	—	12.4	.2	4.7
41	Waste and scrap	11.1	—	11.4	.3	6.4	.1	11.9
43	Mixed freight	9.5	.2	11.7	—	11.0	—	16.9
—	Commodity unknown	13.4	—	24.5	—	24.1	—	13.5

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	1.3	—	4.5	—	2.6	—	4.8
010	Live animals and live fish	30.2	—	28.8	—	34.5	—	14.0
021	Wheat	30.8	—	28.6	.2	25.4	.3	S
022	Corn, except sweet	9.5	—	8.9	.5	10.8	.9	18.5
029	Other cereal grains	44.8	—	23.6	—	31.8	—	24.5
031	Fresh or chilled potatoes (Irish potatoes), except sweet	35.2	—	40.1	—	44.2	—	18.4
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	21.8	—	26.5	—	31.0	—	38.4
033	Fresh, chilled, or dried edible fruit and nuts	31.1	—	49.4	—	34.2	—	19.3
034	Soya beans	8.4	—	8.5	.2	16.5	.8	10.8
035	Oil seeds and nuts, except olives and soya beans	44.6	—	39.9	—	S	S	20.8
036	Bulbs, live plants, and seeds for sowing, n.e.c.	19.0	—	45.1	—	36.5	—	15.5
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	21.3	—	41.5	—	S	S	39.6
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	20.9	—	13.1	.1	16.9	.3	12.8
042	Animal feed preparations	12.9	—	12.4	.1	15.2	.2	24.3
051	Meat including poultry, except preparations	8.6	.1	7.5	—	11.3	.1	26.6
052	Fish, except live, and seafood, except preparations	25.4	—	19.6	—	36.0	—	S
053	Preparations, extracts, and juices of meat, fish, or seafood	32.7	—	30.7	—	38.5	—	S
061	Wheat flour, groats, and meal	23.9	—	29.6	—	22.9	—	24.2
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	13.7	—	19.8	—	23.8	.3	15.7
063	Food preparations of cereals, flour, starch, or milk	15.9	.1	12.5	—	13.3	—	11.2
064	Bakery products	8.2	—	10.0	—	13.8	—	31.0
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	8.0	.1	11.0	—	8.8	.1	40.4
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	9.6	—	10.4	—	13.2	.1	19.1
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	28.7	—	39.7	—	S	S	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	9.7	—	12.2	—	17.0	.3	10.5
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	26.9	—	27.5	.1	26.1	.4	13.6
076	Confectionery, cocoa, and cocoa preparations	11.2	—	23.5	—	18.6	—	14.6
077	Edible preparations, n.e.c. and vinegar	10.1	.1	15.4	—	14.1	.2	11.8
078	Nonalcoholic beverages, n.e.c. and ice	7.5	—	8.5	.1	13.1	—	11.2
081	Malt Beer	8.7	—	9.7	—	23.0	—	6.4
082	Wine and other fermented beverages	21.6	—	15.2	—	26.0	—	7.1
083	Spirituos beverages and ethyl alcohol	12.5	—	21.2	—	45.0	—	12.6
090	Tobacco products	14.9	—	16.9	—	36.1	—	16.1
100	Monumental or building stone, except dolomite	35.6	—	33.9	—	15.9	—	42.2
110	Natural sands, except metal-bearing	27.0	—	32.3	1.1	21.7	.3	19.9
120	Gravel and crushed stone, except dolomite and slate	8.7	—	7.7	1.4	13.6	.7	7.8
131	Salt	16.5	—	29.6	—	32.6	—	26.1
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	44.5	—	38.7	—	49.5	—	39.6
133	Dolomite	34.5	—	32.5	.7	35.6	.3	S
139	Other nonmetallic minerals	16.4	—	19.0	—	20.7	.1	19.8
141	Iron ores and concentrates	30.7	—	33.8	.2	46.5	.3	16.9
149	Other metallic ores and concentrates	18.2	—	40.5	—	45.3	—	13.4
151	Nonagglomerated bituminous coal	12.5	—	12.7	.8	14.8	.8	18.7
159	Other coal	44.2	—	S	S	S	S	S
171	Gasoline	16.2	.4	13.5	.9	20.4	.4	8.7
172	Aviation turbine fuel (types A and B)	42.7	—	43.4	.2	S	S	S
180	Fuel oils	10.3	.1	11.4	.4	12.6	.1	10.3
191	Lubricating oils and greases	23.8	—	19.6	—	18.9	—	23.6
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	34.4	—	S	S	47.7	.2	39.7
193	Gaseous hydrocarbons	20.8	—	18.8	—	27.0	.1	29.2
199	Other products of petroleum refining, and coal products	26.4	—	19.3	.5	20.6	.2	42.2
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	19.2	—	25.1	—	25.4	—	15.2
202	Inorganic chemicals, n.e.c.	9.2	—	22.5	.3	24.5	.3	29.3
203	Cyclic hydrocarbons	44.3	—	S	S	S	S	23.9
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	20.7	—	27.3	—	28.4	—	23.8
205	Organic chemicals, n.e.c.	14.5	—	17.8	—	20.7	—	14.2
210	Pharmaceutical products	16.0	.4	12.9	—	14.9	—	9.6
220	Fertilizers and fertilizer materials	39.5	.1	44.1	.6	S	S	21.9
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	11.2	—	10.5	—	8.4	—	13.5
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	23.2	.1	25.9	—	26.2	—	20.3
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	10.7	.1	17.5	—	12.4	.2	12.1
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	43.8	.1	47.7	—	34.6	—	17.2
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	20.6	—	20.4	—	43.6	—	28.4
239	Other chemical products and preparations	10.6	—	11.4	—	13.5	.1	14.7
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	11.3	—	12.1	—	14.3	—	9.0
242	Manmade fibers and plastics basic shapes and articles	4.9	.1	5.4	—	5.8	.1	6.4

See footnotes at end of table.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	12.4	.1	17.7	—	20.1	—	9.7
250	Logs and other wood in the rough	15.7	—	21.2	—	25.7	—	15.8
261	Wood chips or particles	26.2	—	47.6	.1	33.4	—	S
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	11.2	—	16.6	—	14.6	—	18.2
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	8.0	—	10.7	—	9.1	—	11.3
264	Builders' joinery and carpentry of wood, except shingles and shakes	12.8	—	21.0	—	17.0	—	10.9
269	Other wood products	16.3	—	18.7	—	31.0	—	13.1
271	Pulp of fibrous cellulosic materials	35.6	—	S	S	S	S	18.8
272	Newsprint in large rolls or sheets	36.7	—	32.6	—	44.1	—	19.1
273	Uncoated paper and paperboard in large rolls or sheets	9.3	—	16.9	.1	20.9	.4	17.7
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	14.0	.1	10.2	—	12.0	.1	10.6
280	Paper or paperboard articles	6.2	—	7.1	—	8.8	—	8.9
291	Printed books, brochures, leaflets, and similar printed products	16.8	.2	25.0	—	43.9	.3	6.5
292	Newspapers, journals, and periodicals	11.4	—	13.9	—	16.6	—	24.5
293	Advertising material, commercial or trade catalogues, and similar printed products	8.3	—	14.2	—	16.6	—	7.5
299	Other printed products	10.8	—	14.2	—	20.0	—	7.4
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	14.6	—	21.6	—	28.5	—	9.6
302	Textile clothing and accessories, and headgear, except safety	20.7	.2	40.6	—	S	S	5.6
303	Textiles and textile articles, n.e.c.	16.5	.1	11.6	—	16.6	—	9.6
304	Footwear	42.9	.1	40.2	—	S	S	8.9
305	Leather and articles, luggage of related materials, and dressed furskins and articles	11.2	—	13.8	—	18.7	—	7.2
311	Hydraulic cements	18.7	—	21.8	.1	37.5	.2	10.9
312	Ceramic products	11.0	—	40.0	.2	22.8	.1	10.3
313	Glass and glass products	7.1	—	8.4	—	10.0	—	11.6
319	Other nonmetallic mineral products	7.5	—	S	S	22.5	.5	21.5
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	12.1	—	12.3	—	19.9	.2	10.7
322	Flat-rolled products of iron or steel	8.7	.3	13.9	.9	11.2	.7	6.0
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	12.7	.2	14.1	.2	11.9	.2	7.4
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	6.5	.1	8.8	—	12.2	.1	8.9
331	Pipes, tubes, and fittings	9.6	.1	12.7	—	19.9	.2	8.3
332	Structures and parts, except prefabricated buildings	11.6	—	13.7	—	11.9	—	8.8
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	16.9	.3	20.6	—	26.1	.2	9.4
339	Other articles of metal	8.5	—	9.2	—	8.3	—	8.5
341	Internal-combustion piston engines	9.7	.2	13.5	—	19.0	.1	12.6
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	21.4	—	32.6	—	32.7	—	15.0
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	7.4	—	9.3	—	12.3	—	5.3
344	Air-conditioning, refrigerating, or freezing equipment	9.7	—	12.3	—	24.7	—	12.0
345	Materials-handling, excavating, boring, and related machinery and equipment	12.2	—	14.3	—	18.4	—	10.4
349	Other machinery	5.5	.2	8.8	—	19.9	.2	7.6
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	8.3	—	11.3	—	12.0	—	10.6
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	28.9	.1	31.4	—	29.3	—	10.0
353	Line telephone or telegraph apparatus	22.9	—	34.6	—	40.5	—	12.0
354	Electronic entertainment products, except parts	15.8	—	18.5	—	24.4	—	11.1
355	Computer and office equipment	14.8	.2	15.4	—	16.6	—	7.2
356	Prepared unrecorded or prerecorded media	19.4	—	22.6	—	21.9	—	7.6
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	38.4	.2	27.3	—	41.6	—	6.9
358	Electronic components and parts	12.1	—	23.4	—	23.4	—	7.0
359	Other electronic and electrical equipment	8.7	.3	7.3	—	9.0	—	7.7
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	12.9	.9	22.4	.1	16.7	.3	11.7
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	22.9	—	19.1	—	28.0	—	25.4
363	Other vehicles	10.2	.2	7.9	—	8.2	—	11.2
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	6.7	.6	7.6	.1	7.6	.2	11.7
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	14.0	—	17.8	—	20.0	—	11.3
372	Aircraft and spacecraft	18.3	—	26.8	—	23.9	—	4.9
373	Ships, boats, and floating structures	18.4	—	S	S	S	S	15.6
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	20.6	—	26.0	—	33.7	—	14.2
382	Photographic and photocopying machines	16.3	—	30.2	—	43.6	—	11.1
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	32.3	—	33.2	—	43.9	—	S
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	10.9	—	11.6	—	16.1	—	5.4

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	9.0	—	17.9	—	14.5	—	8.0
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7.7	.1	13.1	—	18.9	.1	7.1
401	Arms and ammunition	18.0	—	45.2	—	40.9	—	5.7
402	Toys, games, and sporting equipment	10.6	—	17.6	—	14.5	—	4.6
409	Miscellaneous manufactured products	5.5	.3	6.6	—	13.9	.2	5.5
411	Metallic waste and scrap	13.0	—	12.4	.3	8.5	.1	10.4
412	Nonmetallic waste and scrap, except from food processing	18.7	—	17.5	—	26.5	.1	17.8
439	Mixed freight	9.5	.2	11.7	—	11.0	—	16.9
—	Commodity unknown	13.4	—	24.5	—	24.1	—	13.5

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	1.3	—	4.5	—	2.6	—	4.8
Single modes	1.2	.5	4.9	.6	2.7	.5	3.8
Truck	1.5	.5	6.2	1.4	2.2	.9	4.1
For-hire truck	2.3	.7	11.1	2.2	2.4	.9	5.6
Private truck	1.6	.5	5.8	1.7	5.4	.5	3.2
Rail	7.4	.5	6.6	.7	8.0	1.4	6.6
Water	10.3	—	12.8	.6	8.3	1.1	S
Shallow draft	11.8	—	15.5	.5	10.1	1.1	S
Great Lakes	28.8	—	21.8	.4	21.5	.6	13.6
Deep draft	S	S	S	S	S	S	22.5
Air (includes truck and air)	7.9	.1	16.4	—	11.8	—	2.8
Pipeline	20.8	.2	21.3	.8	S	S	S
Multiple modes	4.0	.5	9.5	.2	7.4	.5	4.7
Parcel, U.S. Postal Service or courier	4.5	.4	4.4	—	7.1	—	4.7
Truck and rail	13.5	.3	29.1	.2	7.4	.2	6.6
Truck and water	31.5	—	30.6	.1	31.5	.3	17.8
Rail and water	28.7	—	28.4	.2	27.6	.5	24.2
Other multiple modes	40.3	—	26.8	.2	35.6	.3	S
Other and unknown modes	13.9	.5	19.3	.5	13.2	.3	11.2
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	30.2	—	28.8	—	34.5	—	14.0
Single modes	30.8	1.6	29.1	.8	34.8	.7	15.6
Truck	30.8	1.6	29.1	.8	34.8	.7	15.6
For-hire truck	33.1	4.3	32.1	5.7	36.4	3.5	10.5
Private truck	30.9	4.2	36.1	5.9	44.0	3.5	38.6
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	20.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.3
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 02, CEREAL GRAINS							
Total	9.4	—	8.2	—	9.4	—	19.6
Single modes	9.1	1.3	8.2	.8	9.8	1.4	16.8
Truck	15.1	4.1	15.9	4.8	12.4	1.0	15.1
For-hire truck	20.9	4.2	22.0	4.4	16.2	.9	47.4
Private truck	17.2	2.3	18.6	2.2	18.7	.4	11.9
Rail	13.2	2.6	17.9	4.0	25.9	4.7	6.8
Water	10.7	3.2	10.3	3.5	10.8	4.7	1.6
Shallow draft	11.5	3.3	11.3	3.5	11.0	4.8	1.6
Great Lakes	41.2	.8	40.0	.9	S	S	20.9
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	18.2
Parcel, U.S. Postal Service or courier	S	S	48.1	—	44.6	—	20.0
Truck and rail	S	S	S	S	S	S	20.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	37.2	.6	35.2	.5	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	7.3	—	7.3	—	15.7	—	17.1
Single modes	7.3	2.0	6.7	1.6	14.5	2.0	14.3
Truck	9.2	3.2	7.7	3.6	10.7	2.1	13.5
For-hire truck	9.1	2.8	11.5	3.1	11.5	1.3	S
Private truck	14.2	3.7	15.8	4.0	19.6	1.1	14.1
Rail	12.9	1.2	13.7	1.6	14.3	2.4	12.7
Water	15.5	1.9	15.6	2.8	18.2	2.6	3.3
Shallow draft	16.4	1.9	16.6	2.9	18.3	2.7	2.8
Great Lakes	S	S	S	S	2.3	—	22.4
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	40.1	.2	38.5	—	48.2	—	16.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	33.0	1.3	41.4	.5	S	S	13.8
Parcel, U.S. Postal Service or courier	43.8	1.3	47.1	—	47.9	.2	14.3
Truck and rail	S	S	S	S	46.8	.3	40.5
Truck and water	S	S	S	S	S	S	21.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	44.0	1.6	S	S	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	10.4	—	7.9	—	10.7	—	20.7
Single modes	10.4	.3	8.0	.4	10.9	1.0	16.1
Truck	10.9	2.5	9.8	2.9	18.3	4.0	16.5
For-hire truck	14.9	3.4	15.1	3.4	21.7	3.9	8.2
Private truck	12.9	3.9	13.6	3.9	19.5	2.1	18.6
Rail	16.0	1.9	13.0	2.7	12.5	4.9	7.6
Water	42.7	1.4	35.6	2.0	36.9	4.6	16.9
Shallow draft	42.7	1.4	35.6	2.0	36.9	4.6	16.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	37.5	.2	S	S	S	S	13.4
Parcel, U.S. Postal Service or courier	49.8	—	S	S	S	S	13.8
Truck and rail	S	S	S	S	S	S	20.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	24.2	.3	30.9	.3	33.0	.1	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	8.4	—	7.4	—	11.0	—	27.9
Single modes	8.6	.8	7.5	1.0	11.1	.8	13.9
Truck	8.5	.8	7.4	1.0	10.6	1.1	14.1
For-hire truck	12.6	3.3	12.0	3.3	13.5	3.6	6.4
Private truck	8.7	3.0	8.0	3.0	15.4	3.4	11.0
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	47.7	—	49.5	.2	17.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	17.5
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	29.0	.7	34.2	1.0	45.1	.8	S

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	5.9	—	10.0	—	12.2	—	27.3
Single modes	5.9	.5	10.1	1.0	12.5	1.2	22.5
Truck	6.5	1.4	8.4	3.0	10.3	4.0	22.1
For-hire truck	8.9	3.4	8.4	2.8	10.7	3.8	5.5
Private truck	12.3	3.5	14.4	2.5	16.2	1.0	23.1
Rail	18.3	1.4	20.7	3.3	22.0	4.6	8.0
Water	S	S	S	S	S	S	21.8
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	23.1	.4	24.1	.4	27.0	1.1	9.1
Parcel, U.S. Postal Service or courier	44.9	.2	S	S	44.4	—	10.3
Truck and rail	29.2	.4	27.0	.3	28.8	1.0	11.5
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	21.9
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	35.6	.3	S	S	33.5	.4	43.0
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	3.5	—	4.9	—	7.3	—	20.2
Single modes	3.6	.5	5.0	.4	7.6	1.0	13.3
Truck	3.5	.6	4.2	1.6	4.4	3.3	13.4
For-hire truck	4.7	1.3	5.7	1.5	4.7	2.8	7.3
Private truck	3.6	1.0	5.5	2.1	8.1	1.2	13.1
Rail	12.8	.5	18.5	1.5	18.4	3.2	6.3
Water	46.0	.2	44.5	.4	43.3	.9	19.3
Shallow draft	46.0	.2	44.5	.4	43.3	.9	19.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	44.3	—	39.3	—	S	S	16.9
Pipeline	43.0	.2	43.0	.3	S	S	S
Multiple modes	12.9	.2	25.8	.4	21.4	1.1	8.8
Parcel, U.S. Postal Service or courier	30.6	.2	25.0	—	25.7	—	10.4
Truck and rail	18.1	.2	26.5	.4	21.6	1.1	8.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	22.1	.4	23.5	.3	23.2	.5	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	7.5	—	11.4	—	30.4	—	8.0
Single modes	7.7	1.3	11.5	.9	31.0	1.4	7.6
Truck	7.5	1.6	10.7	2.0	20.0	7.1	7.0
For-hire truck	15.0	1.8	21.3	3.0	19.6	7.2	28.4
Private truck	7.6	2.5	9.6	3.8	30.8	6.3	6.2
Rail	44.3	.9	S	S	S	S	19.8
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	23.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.8
Truck and rail	S	S	S	S	S	S	20.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	41.7	—	S

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	14.9	—	16.9	—	36.1	—	16.1
Single modes	15.2	1.0	16.8	1.2	32.4	5.6	16.8
Truck	15.2	1.0	16.8	1.2	32.4	5.6	16.8
For-hire truck	46.9	4.3	44.3	2.6	45.7	8.3	18.9
Private truck	12.2	4.2	16.4	2.8	26.8	11.5	10.3
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	33.6	.5	S	S	S	S	25.1
Parcel, U.S. Postal Service or courier	36.6	.5	35.1	.2	37.5	2.8	16.8
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	42.2	.8	45.1	1.1	S	S	21.3
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	35.6	—	33.9	—	15.9	—	42.2
Single modes	36.3	2.0	34.8	1.7	16.0	.8	44.3
Truck	36.3	2.0	34.8	1.7	16.0	.8	44.3
For-hire truck	30.7	7.8	S	S	19.1	8.4	24.3
Private truck	S	S	36.1	8.9	28.8	8.5	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.6
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	47.6	1.4	S	S	S	S	39.9
SCTG 11, NATURAL SANDS							
Total	27.0	—	32.3	—	21.7	—	19.9
Single modes	27.8	1.9	33.1	1.6	22.7	2.1	19.5
Truck	30.1	3.4	34.1	2.4	28.9	6.3	19.7
For-hire truck	22.0	4.4	24.3	5.9	25.7	4.2	14.0
Private truck	42.7	6.0	41.2	6.6	41.2	6.9	34.4
Rail	20.1	2.6	21.7	1.3	26.1	5.8	13.8
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	29.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.1
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	38.4	1.9	S	S	S	S	S

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	8.7	—	7.7	—	13.6	—	7.8
Single modes	9.1	1.2	8.0	1.3	12.3	3.3	7.5
Truck	9.7	2.1	9.2	2.6	13.6	7.3	7.6
For-hire truck	16.9	4.1	15.2	4.5	16.9	5.5	8.6
Private truck	9.9	3.4	14.1	4.0	23.6	4.8	8.7
Rail	37.3	.3	40.8	.3	42.8	1.2	26.2
Water	25.0	1.4	26.7	2.0	29.9	5.5	16.7
Shallow draft	42.1	.4	44.4	.5	43.5	2.9	21.6
Great Lakes	35.9	1.5	34.1	2.1	35.0	6.1	18.6
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	38.2	.8	37.9	.9	38.8	3.4	18.7
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	44.1	.5	43.1	.6	45.5	2.5	20.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	49.0	.4	49.6	.6	S	S	20.6
Other and unknown modes	S	S	S	S	47.4	1.1	44.4
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	12.7	—	23.6	—	21.4	—	25.1
Single modes	11.7	1.8	24.1	1.5	21.2	3.6	27.3
Truck	13.3	4.1	26.4	6.1	19.6	8.7	27.2
For-hire truck	17.1	3.7	26.0	3.7	16.8	6.0	41.2
Private truck	14.9	4.4	27.8	5.4	30.1	5.1	18.9
Rail	38.1	2.6	S	S	S	S	20.4
Water	42.0	3.3	41.8	5.1	42.1	6.6	18.1
Shallow draft	—	—	—	—	—	—	—
Great Lakes	42.0	3.3	41.8	5.1	42.1	6.6	18.1
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	31.6	.8	S	S	S	S	15.1
Parcel, U.S. Postal Service or courier	40.1	.8	35.1	—	S	S	15.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	S	S	46.2	1.2	S	S	47.0
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	19.8	—	31.8	—	42.2	—	10.5
Single modes	22.1	4.7	39.8	7.2	26.8	14.6	12.2
Truck	20.0	8.2	18.6	16.2	19.8	15.8	11.9
For-hire truck	25.4	7.2	21.6	12.5	20.6	14.0	12.4
Private truck	28.9	4.7	29.6	6.6	32.3	3.8	47.3
Rail	34.3	7.8	41.5	13.7	31.5	10.1	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	20.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	15.7
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	21.2
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	40.9

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	11.7	—	12.4	—	14.7	—	16.8
Single modes	14.6	4.5	13.2	4.3	19.8	5.7	16.9
Truck	27.7	4.6	27.5	4.5	28.1	3.1	17.3
For-hire truck	26.8	4.4	27.1	4.3	24.7	3.0	20.5
Private truck	S	S	S	S	S	S	19.0
Rail	15.8	4.6	15.7	4.9	16.9	5.2	14.2
Water	S	S	S	S	S	S	19.3
Shallow draft	S	S	S	S	S	S	19.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.1	3.2	24.7	3.3	24.4	5.7	34.3
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	30.1
Rail and water	32.0	2.1	32.2	2.1	34.1	4.9	16.7
Other multiple modes	48.3	2.9	48.3	3.0	49.3	4.4	20.7
Other and unknown modes	29.5	4.4	39.9	3.8	S	S	39.6
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	16.0	—	13.6	—	25.6	—	8.6
Single modes	16.1	.4	13.7	.2	25.6	.1	8.0
Truck	20.4	4.2	16.7	4.5	17.3	7.2	8.8
For-hire truck	20.8	2.5	17.4	2.2	19.0	3.6	7.8
Private truck	21.1	3.5	17.0	3.3	17.7	4.5	11.6
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	23.7
Shallow draft	S	S	S	S	S	S	23.8
Great Lakes	S	S	S	S	S	S	22.4
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	24.2	4.3	24.8	4.5	S	S	S
Multiple modes	46.9	.4	46.5	—	S	S	20.2
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	47.1	.4	47.0	—	S	S	20.7
Other and unknown modes	29.6	.2	30.3	.1	34.1	—	39.2
SCTG 18, FUEL OILS							
Total	10.3	—	11.4	—	12.6	—	10.3
Single modes	10.8	1.5	11.7	.9	12.6	.7	11.1
Truck	9.3	4.7	9.1	5.1	16.1	5.8	12.1
For-hire truck	12.7	2.1	12.4	2.6	20.7	3.6	10.2
Private truck	10.1	3.9	10.0	3.9	14.9	3.6	12.5
Rail	S	S	S	S	S	S	24.6
Water	S	S	S	S	S	S	28.2
Shallow draft	S	S	S	S	S	S	28.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	23.3	4.4	23.7	4.9	S	S	S
Multiple modes	46.7	.8	46.2	.1	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	46.7	.8	46.2	.1	S	S	20.7
Other and unknown modes	S	S	S	S	S	S	16.5

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	14.0	—	16.0	—	18.0	—	22.6
Single modes	14.4	.9	16.1	.5	18.3	1.1	13.5
Truck	13.5	3.4	13.4	3.9	19.1	4.3	14.5
For-hire truck	18.6	3.3	23.8	4.9	24.9	4.6	17.0
Private truck	15.6	4.1	16.8	6.3	19.3	2.8	9.5
Rail	31.2	3.3	39.9	3.6	18.0	4.1	18.7
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	S	S	S	S	S	S	21.6
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	44.8	—	42.4	—	19.5
Pipeline	S	S	31.1	1.1	S	S	S
Multiple modes	34.4	.7	39.6	—	45.6	.2	14.1
Parcel, U.S. Postal Service or courier	49.3	.7	39.5	—	S	S	14.3
Truck and rail	44.9	.2	46.7	—	S	S	20.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.0
Other and unknown modes	41.4	.5	43.4	.5	S	S	38.4
SCTG 20, BASIC CHEMICALS							
Total	5.7	—	16.9	—	15.5	—	23.6
Single modes	6.1	1.1	17.2	.7	16.3	1.6	24.2
Truck	6.4	2.4	19.7	4.3	16.6	5.0	29.1
For-hire truck	9.2	3.0	18.9	3.4	19.6	4.3	6.7
Private truck	11.5	2.9	25.2	4.3	19.5	2.3	24.6
Rail	16.7	1.3	36.2	4.1	19.5	3.9	15.2
Water	S	S	S	S	S	S	22.7
Shallow draft	S	S	S	S	S	S	22.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	33.4	.5	30.7	—	30.7	—	13.1
Pipeline	49.9	.1	S	S	S	S	S
Multiple modes	14.3	1.1	31.4	.5	34.3	1.7	17.1
Parcel, U.S. Postal Service or courier	17.4	1.0	S	S	25.2	—	17.2
Truck and rail	28.6	.5	39.1	.5	35.5	1.7	13.7
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	20.2	.2	28.7	.2	27.8	.2	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	16.0	—	12.9	—	14.9	—	9.6
Single modes	20.6	4.2	13.9	2.1	16.5	2.6	22.8
Truck	22.1	4.1	14.3	2.6	18.0	4.1	15.9
For-hire truck	34.9	4.9	14.0	3.7	12.6	4.8	22.6
Private truck	11.4	4.2	19.6	4.3	35.7	4.9	10.4
Rail	S	S	S	S	S	S	20.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	23.3	1.0	41.1	.2	28.3	.2	10.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	15.9	4.0	16.6	1.8	20.5	2.4	8.1
Parcel, U.S. Postal Service or courier	15.8	3.9	17.1	1.9	20.8	2.3	8.1
Truck and rail	S	S	S	S	S	S	30.5
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	37.1	.9	32.4	.5	35.3	.7	S

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	39.5	—	44.1	—	S	S	21.9
Single modes	38.6	2.6	43.3	3.3	S	S	24.5
Truck	30.4	4.4	35.6	5.3	S	S	28.7
For-hire truck	S	S	S	S	S	S	32.6
Private truck	19.7	6.7	21.5	7.8	21.1	8.5	31.7
Rail	S	S	S	S	S	S	15.2
Water	S	S	S	S	S	S	23.4
Shallow draft	S	S	S	S	S	S	23.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	15.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	15.3
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	21.7
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	6.7	—	9.3	—	7.6	—	8.7
Single modes	7.2	1.3	9.4	.9	7.6	2.4	9.5
Truck	7.2	1.3	9.3	.9	7.3	2.0	9.7
For-hire truck	8.2	2.9	11.3	2.7	7.4	2.4	8.4
Private truck	15.4	3.0	14.5	2.7	18.4	2.0	17.6
Rail	14.6	.3	19.5	.9	17.8	1.4	13.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	12.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	12.4	1.3	16.1	.8	18.6	2.4	8.5
Parcel, U.S. Postal Service or courier	17.9	1.0	26.5	.2	15.9	.1	8.7
Truck and rail	24.4	1.2	18.2	.8	19.5	2.4	10.6
Truck and water	40.6	—	45.4	—	48.4	—	20.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	22.7	.4	32.8	.4	42.7	.7	S
SCTG 24, PLASTICS AND RUBBER							
Total	4.7	—	5.0	—	5.1	—	6.5
Single modes	5.1	1.1	5.3	.9	5.6	2.3	7.1
Truck	5.0	1.2	5.0	1.5	5.1	2.6	6.6
For-hire truck	5.8	1.7	5.2	2.1	4.7	2.7	3.7
Private truck	8.0	1.4	8.6	1.0	15.3	.8	11.9
Rail	16.5	.5	18.4	1.5	19.0	2.1	43.2
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	22.4
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	14.2	—	13.0	—	19.8	—	7.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	9.8	.9	16.4	.8	22.4	2.0	4.4
Parcel, U.S. Postal Service or courier	10.3	.9	14.2	.2	18.3	.4	4.4
Truck and rail	35.6	.5	29.4	.8	29.9	2.1	9.0
Truck and water	S	S	S	S	S	S	22.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	14.2	.3	11.0	.2	33.3	.6	12.7

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	15.7	—	21.2	—	25.7	—	15.8
Single modes	16.6	2.2	21.6	1.7	28.9	5.2	21.0
Truck	17.7	2.8	21.6	3.4	31.0	6.1	20.4
For-hire truck	20.0	6.6	36.2	7.0	36.0	7.5	32.8
Private truck	21.7	6.9	25.7	7.9	S	S	24.8
Rail	39.8	2.1	S	S	41.2	4.8	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	24.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	S	S	S	S	S	S	21.1
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	42.7	.7	S	S	47.7	1.0	36.2
SCTG 26, WOOD PRODUCTS							
Total	6.6	—	17.6	—	9.6	—	11.0
Single modes	6.8	.8	17.8	.6	9.6	1.7	7.6
Truck	7.1	.9	18.6	1.7	11.6	3.3	7.9
For-hire truck	7.3	1.7	17.0	2.7	10.6	2.3	6.5
Private truck	8.9	2.1	20.1	2.8	17.3	2.5	11.3
Rail	19.9	.5	36.8	1.8	20.3	3.1	19.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	24.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	20.2	.5	37.6	.2	44.9	1.3	10.9
Parcel, U.S. Postal Service or courier	24.0	.3	17.3	—	20.4	—	10.7
Truck and rail	33.6	.4	42.8	.2	47.3	1.3	13.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	22.3	.5	22.9	.6	31.5	1.0	27.1
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	10.1	—	31.9	—	14.9	—	14.4
Single modes	10.3	.7	32.3	.5	15.3	.9	9.7
Truck	11.8	2.4	36.1	3.1	19.1	4.4	11.1
For-hire truck	13.0	2.2	40.3	3.8	19.8	4.4	9.3
Private truck	9.8	1.4	10.6	1.6	27.7	1.0	15.1
Rail	15.7	1.9	15.6	2.3	17.5	3.9	5.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	33.5	—	35.5	—	45.1	—	15.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	20.2	.8	22.6	.2	22.1	.5	20.2
Parcel, U.S. Postal Service or courier	20.9	.7	22.8	.1	31.4	.2	20.3
Truck and rail	35.5	.2	33.1	.1	25.6	.4	16.3
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	24.0
Other and unknown modes	25.6	.3	27.3	.4	36.7	.7	42.0

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	6.2	—	7.1	—	8.8	—	8.9
Single modes	6.0	.9	7.1	.5	8.1	1.8	10.5
Truck	6.1	1.1	7.1	.6	8.7	2.5	10.6
For-hire truck	7.6	1.7	8.8	2.8	10.1	3.3	6.6
Private truck	6.4	1.7	11.6	2.6	9.6	1.3	7.6
Rail	39.4	.2	37.3	.2	46.8	1.5	18.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	49.2	—	S	S	11.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	13.6	.7	25.0	.3	37.3	1.6	7.2
Parcel, U.S. Postal Service or courier	14.1	.7	13.1	.1	16.5	.3	7.2
Truck and rail	31.4	.3	42.4	.3	47.4	1.7	11.1
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	25.9	.6	25.7	.3	36.0	.6	S
SCTG 29, PRINTED PRODUCTS							
Total	8.9	—	10.6	—	21.9	—	12.3
Single modes	12.4	2.7	11.8	1.6	25.0	2.2	23.7
Truck	11.6	2.7	11.8	1.6	25.0	2.3	24.1
For-hire truck	16.5	2.3	14.5	2.8	26.8	3.1	28.4
Private truck	8.2	2.1	15.0	3.1	20.3	1.4	11.3
Rail	37.2	—	37.1	—	44.6	.3	18.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	44.6	.4	34.3	.1	45.9	.3	6.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	13.9	2.7	14.9	1.2	14.9	2.1	12.1
Parcel, U.S. Postal Service or courier	14.4	2.7	17.3	1.3	18.8	2.1	12.1
Truck and rail	S	S	42.1	.3	38.4	1.1	16.2
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	16.5	1.0	22.9	1.0	17.1	.8	25.0
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	12.6	—	16.4	—	29.0	—	4.7
Single modes	16.8	3.3	20.2	2.9	37.2	3.7	10.1
Truck	16.4	3.2	20.3	2.9	37.4	3.7	10.0
For-hire truck	23.3	3.6	13.4	3.5	13.1	4.2	5.3
Private truck	11.2	2.5	35.9	4.1	S	S	20.1
Rail	S	S	S	S	S	S	19.7
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	40.7	.1	32.0	—	16.7
Pipeline	—	—	—	—	S	S	S
Multiple modes	12.0	3.1	9.4	2.2	12.7	3.4	3.6
Parcel, U.S. Postal Service or courier	12.2	3.2	9.1	2.2	12.9	3.3	3.6
Truck and rail	43.0	.5	37.0	.3	39.1	1.5	15.7
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	37.2	2.3	26.1	1.9	30.9	1.8	S

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	3.0	—	44.6	—	15.8	—	15.3
Single modes	3.3	1.6	45.1	.9	17.5	2.7	17.8
Truck	3.3	1.6	46.2	1.9	16.2	4.6	18.5
For-hire truck	5.7	2.6	S	S	20.3	3.7	16.2
Private truck	5.8	1.8	12.5	7.1	11.3	2.0	13.1
Rail	29.7	.5	38.6	1.4	44.2	4.1	25.6
Water	44.4	.5	46.7	.7	48.7	2.6	19.8
Shallow draft	S	S	S	S	S	S	22.0
Great Lakes	S	S	S	S	S	S	20.6
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	28.3	—	46.6	—	S	S	8.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	26.3	1.4	44.9	—	24.0	.6	9.7
Parcel, U.S. Postal Service or courier	29.4	1.5	25.0	—	23.1	.1	9.7
Truck and rail	28.4	.1	27.5	—	30.4	.3	14.4
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.1
Other and unknown modes	27.9	.6	23.3	.9	37.6	2.6	48.0
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	4.6	—	9.7	—	6.6	—	4.9
Single modes	4.7	.6	10.2	1.0	7.0	2.0	4.9
Truck	4.9	1.3	11.8	2.1	8.1	3.5	5.2
For-hire truck	5.2	1.3	14.3	2.4	8.7	3.3	4.6
Private truck	6.5	1.1	8.9	1.3	11.8	.9	7.1
Rail	12.0	.9	10.6	1.6	12.5	2.4	10.8
Water	S	S	S	S	S	S	23.3
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	S	S	S	S	S	S	22.4
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	30.9	.1	44.8	—	37.6	—	8.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	24.5	.5	S	S	S	S	7.2
Parcel, U.S. Postal Service or courier	17.6	.2	20.4	—	15.7	—	7.6
Truck and rail	24.4	.1	28.4	.1	23.6	.4	12.2
Truck and water	S	S	S	S	S	S	28.8
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	23.8
Other and unknown modes	16.9	.2	21.6	.5	22.2	.7	18.8
SCTG 33, ARTICLES OF BASE METAL							
Total	6.7	—	7.3	—	11.5	—	9.2
Single modes	5.7	2.7	7.7	1.2	12.9	2.6	6.2
Truck	5.9	2.7	7.4	2.2	10.9	4.2	6.4
For-hire truck	8.4	2.5	9.8	2.8	11.8	3.9	3.7
Private truck	5.3	1.7	10.5	2.1	10.2	1.0	7.8
Rail	34.4	.5	45.5	1.8	44.6	4.1	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	19.2	.1	36.0	.1	24.9	.1	4.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	29.0	2.8	23.4	.8	29.5	1.4	7.3
Parcel, U.S. Postal Service or courier	29.7	2.8	31.4	.8	47.5	1.3	7.3
Truck and rail	23.6	.1	43.3	.4	22.4	.5	26.8
Truck and water	S	S	S	S	S	S	20.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.1
Other and unknown modes	14.5	.4	19.4	.9	30.9	1.9	27.9

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	4.1	—	6.5	—	13.0	—	5.9
Single modes	3.8	1.3	6.5	1.1	12.4	2.7	10.3
Truck	4.2	1.5	6.6	1.2	11.5	2.4	12.9
For-hire truck	5.0	1.6	7.7	1.9	11.3	2.3	6.8
Private truck	6.1	1.0	8.7	1.5	18.3	.9	11.0
Rail	29.2	.8	26.2	.8	31.2	1.2	S
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	22.4
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	11.2	.2	19.6	—	20.2	.2	4.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	12.2	1.2	21.9	1.1	27.6	2.7	5.6
Parcel, U.S. Postal Service or courier	8.2	.7	11.0	.2	9.9	.3	5.6
Truck and rail	42.1	.9	28.5	.8	30.6	2.2	9.3
Truck and water	S	S	S	S	S	S	20.7
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	12.4	.4	16.9	.5	24.7	.5	16.0
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	5.2	—	5.2	—	6.3	—	4.4
Single modes	6.6	1.6	5.5	.9	7.0	1.9	8.5
Truck	7.6	2.1	5.8	1.0	7.5	2.2	10.0
For-hire truck	9.1	2.4	6.4	2.5	8.5	2.6	5.7
Private truck	14.3	1.7	13.4	2.5	21.9	2.0	10.0
Rail	38.9	.3	26.7	.4	24.7	.9	20.9
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	16.1	.8	16.8	.2	19.7	.4	3.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	6.6	1.7	9.7	.8	16.1	1.8	3.9
Parcel, U.S. Postal Service or courier	7.2	1.8	8.0	.5	9.3	.6	4.0
Truck and rail	24.3	.3	27.4	.7	25.5	1.8	6.9
Truck and water	S	S	S	S	S	S	21.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.5
Other and unknown modes	26.4	.6	22.7	.6	44.1	.9	17.9
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	5.9	—	8.0	—	7.0	—	10.6
Single modes	6.2	2.1	8.8	1.4	8.3	2.2	16.7
Truck	6.7	2.2	6.8	2.0	5.9	2.7	17.6
For-hire truck	8.4	2.3	7.5	1.5	5.6	2.4	5.7
Private truck	7.3	1.0	9.9	1.1	16.2	.6	29.7
Rail	15.6	2.4	19.9	2.1	16.6	3.5	5.5
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	25.1	.2	32.9	.1	29.9	.2	6.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	15.1	1.8	15.3	.9	15.4	2.0	5.2
Parcel, U.S. Postal Service or courier	19.6	.5	14.5	.1	17.7	.2	5.4
Truck and rail	17.5	1.6	17.4	.9	16.8	2.0	7.5
Truck and water	S	S	S	S	S	S	21.9
Rail and water	S	S	S	S	S	S	21.8
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	26.2	1.9	18.8	1.0	40.7	1.8	39.4

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	11.7	—	19.4	—	26.0	—	4.9
Single modes	11.5	4.4	19.7	.8	26.5	1.1	5.6
Truck	15.3	5.0	17.1	7.7	17.7	6.9	7.7
For-hire truck	18.0	4.5	18.7	6.9	22.3	6.4	6.0
Private truck	18.0	3.0	22.6	3.7	16.0	3.8	25.1
Rail	32.7	1.7	30.7	6.2	34.4	4.1	26.9
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	21.4	2.7	21.4	—	24.0	.2	7.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	28.4	4.4	36.8	.6	43.2	.8	7.1
Parcel, U.S. Postal Service or courier	28.2	4.4	33.4	.4	32.7	.5	7.2
Truck and rail	S	S	S	S	S	S	22.0
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	42.8	.8	S	S	47.8	.4	S
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	5.5	—	11.6	—	12.5	—	5.4
Single modes	9.6	4.0	15.1	4.3	14.3	4.6	9.8
Truck	11.2	4.1	15.7	4.4	15.3	4.9	12.9
For-hire truck	14.2	3.5	15.0	4.1	16.2	4.8	8.0
Private truck	13.4	1.6	38.3	3.4	37.8	1.5	18.5
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	25.3	2.4	18.7	.7	18.8	1.1	4.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	11.0	3.9	11.0	3.9	11.2	4.6	6.7
Parcel, U.S. Postal Service or courier	11.0	3.9	11.0	3.9	11.2	4.6	6.7
Truck and rail	S	S	S	S	S	S	S
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	32.8	1.2	45.4	1.8	S	S	30.2
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	7.7	—	13.1	—	18.9	—	7.1
Single modes	8.0	.8	13.1	1.2	18.5	1.8	7.2
Truck	7.9	1.0	12.4	1.4	18.1	2.1	7.3
For-hire truck	7.7	2.5	12.3	2.9	18.6	3.1	5.1
Private truck	13.6	2.8	16.7	2.6	30.7	1.8	19.1
Rail	48.0	.3	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	40.0	.3	S	S	S	S	14.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	14.3	.5	30.4	.3	46.5	1.1	5.7
Parcel, U.S. Postal Service or courier	18.3	.5	16.6	.2	16.3	.2	6.0
Truck and rail	33.4	.3	S	S	S	S	14.3
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	21.6	.5	42.8	1.1	36.1	1.4	45.1

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	4.9	—	5.8	—	12.4	—	4.7
Single modes	6.5	2.0	6.2	.8	13.5	1.4	6.2
Truck	6.1	1.7	5.9	1.0	14.3	2.0	6.2
For-hire truck	8.3	2.0	7.6	3.1	9.1	4.1	3.4
Private truck	8.1	1.5	13.5	3.0	S	S	14.8
Rail	S	S	S	S	49.1	1.7	13.1
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	32.0	.4	20.6	—	22.5	—	5.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	8.5	1.9	9.4	.5	10.0	.9	3.9
Parcel, U.S. Postal Service or courier	8.0	1.8	8.6	.5	9.4	.8	3.9
Truck and rail	40.7	.2	31.9	.2	26.2	.4	10.7
Truck and water	S	S	S	S	S	S	21.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.6
Other and unknown modes	20.4	.6	24.4	.7	26.2	.9	24.4
SCTG 41, WASTE AND SCRAP							
Total	11.1	—	11.4	—	6.4	—	11.9
Single modes	11.2	.4	11.4	.3	6.5	.9	10.2
Truck	12.0	2.1	13.4	2.8	11.4	4.0	11.0
For-hire truck	15.6	3.9	12.3	2.8	13.2	3.3	9.7
Private truck	17.3	3.3	20.3	3.3	15.7	2.2	11.2
Rail	15.3	2.1	15.6	2.8	9.8	4.3	14.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	30.2	.4	41.7	.3	33.2	.9	17.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.5
Truck and rail	30.2	.4	41.7	.3	33.2	.9	20.3
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	24.2
SCTG 43, MIXED FREIGHT							
Total	9.5	—	11.7	—	11.0	—	16.9
Single modes	10.3	3.9	13.2	4.1	9.9	3.7	18.6
Truck	10.1	3.9	13.3	4.1	9.5	3.8	18.8
For-hire truck	27.1	3.3	29.4	4.1	21.6	3.9	24.5
Private truck	11.1	4.4	15.1	4.8	12.0	5.3	15.3
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	19.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	44.7	1.7	41.8	.6	S	S	13.8
Parcel, U.S. Postal Service or courier	S	S	46.4	.5	S	S	14.0
Truck and rail	S	S	S	S	S	S	19.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	42.3	3.0	37.0	3.8	38.8	1.8	S

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	13.4	—	24.5	—	24.1	—	13.5
Single modes	15.6	3.5	24.6	1.0	24.6	1.9	22.1
Truck	14.3	4.7	20.7	6.7	18.5	5.9	23.6
For-hire truck	21.9	5.2	20.4	6.7	20.6	5.9	9.1
Private truck	20.8	5.4	26.7	7.2	25.6	5.8	30.5
Rail	S	S	S	S	S	S	43.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	18.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	21.5	2.7	36.1	.3	27.9	.8	9.0
Parcel, U.S. Postal Service or courier	22.7	2.8	26.9	.3	34.9	.6	9.0
Truck and rail	48.4	.1	S	S	49.5	.8	35.2
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	40.2	2.3	41.7	.8	S	S	48.1

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	1.3	4.5	2.6
Less than 50 miles	2.7	6.8	7.1
50 to 99 miles	3.0	7.0	6.8
100 to 249 miles	2.6	3.5	4.0
250 to 499 miles	3.3	4.2	4.3
500 to 749 miles	2.0	7.5	8.4
750 to 999 miles	3.6	6.1	6.1
1,000 to 1,499 miles	4.5	5.4	5.3
1,500 to 1,999 miles	3.6	5.2	5.1
2,000 miles or more	6.3	9.0	9.2
SCTG 01, Live animals and live fish	30.2	28.8	34.5
Less than 50 miles	23.1	27.3	26.9
50 to 99 miles	36.1	35.1	34.5
100 to 249 miles	46.3	43.9	S
250 to 499 miles	48.9	48.3	48.5
500 to 749 miles	24.8	27.9	28.0
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	9.4	8.2	9.4
Less than 50 miles	15.9	15.5	16.0
50 to 99 miles	17.2	19.2	20.4
100 to 249 miles	32.5	31.3	29.6
250 to 499 miles	16.1	18.6	20.9
500 to 749 miles	13.1	22.8	22.9
750 to 999 miles	16.3	15.9	15.7
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	40.4	41.2
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	7.3	7.3	15.7
Less than 50 miles	13.1	14.1	13.4
50 to 99 miles	12.1	17.9	16.3
100 to 249 miles	17.4	21.5	21.2
250 to 499 miles	15.2	18.0	22.0
500 to 749 miles	24.0	26.5	27.9
750 to 999 miles	10.8	17.0	17.0
1,000 to 1,499 miles	27.0	38.3	39.4
1,500 to 1,999 miles	S	30.0	29.5
2,000 miles or more	45.1	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	10.4	7.9	10.7
Less than 50 miles	17.0	16.5	16.0
50 to 99 miles	26.5	14.6	12.7
100 to 249 miles	17.0	13.5	13.4
250 to 499 miles	13.8	11.9	10.7
500 to 749 miles	12.9	16.6	17.3
750 to 999 miles	26.4	22.1	21.4
1,000 to 1,499 miles	24.3	23.5	23.1
1,500 to 1,999 miles	47.6	27.4	28.3
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	8.4	7.4	11.0
Less than 50 miles	11.5	10.8	10.3
50 to 99 miles	12.7	13.4	12.6
100 to 249 miles	8.0	7.7	7.7
250 to 499 miles	11.9	12.2	12.0
500 to 749 miles	11.7	11.0	11.1
750 to 999 miles	21.1	18.0	18.1
1,000 to 1,499 miles	16.9	16.6	16.1
1,500 to 1,999 miles	17.5	17.1	17.4
2,000 miles or more	37.6	41.6	41.4
SCTG 06, Milled grain products and preparations, and bakery products	5.9	10.0	12.2
Less than 50 miles	10.3	14.4	27.6
50 to 99 miles	10.0	11.6	11.6
100 to 249 miles	10.5	25.6	25.8
250 to 499 miles	7.7	9.9	9.2
500 to 749 miles	10.4	14.6	15.3
750 to 999 miles	12.4	22.7	23.2
1,000 to 1,499 miles	13.5	17.9	18.9
1,500 to 1,999 miles	17.3	17.1	16.6
2,000 miles or more	26.5	23.9	30.9
SCTG 07, Other prepared foodstuffs and fats and oils	3.5	4.9	7.3
Less than 50 miles	5.5	6.2	6.4
50 to 99 miles	6.4	9.2	8.6
100 to 249 miles	5.5	6.0	6.4
250 to 499 miles	6.4	9.6	11.2
500 to 749 miles	6.7	9.0	10.5
750 to 999 miles	7.7	14.3	15.0
1,000 to 1,499 miles	12.3	10.8	11.0
1,500 to 1,999 miles	12.6	11.5	11.3
2,000 miles or more	20.4	29.4	29.7

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	7.5	11.4	30.4
Less than 50 miles	5.2	6.4	7.1
50 to 99 miles	18.0	25.7	26.0
100 to 249 miles	30.0	30.3	29.2
250 to 499 miles	25.8	32.9	32.9
500 to 749 miles	26.7	29.9	32.6
750 to 999 miles	30.2	36.7	36.3
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	37.4	40.4	39.2
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	14.9	16.9	36.1
Less than 50 miles	13.4	17.4	22.3
50 to 99 miles	20.1	28.2	29.8
100 to 249 miles	24.5	34.7	35.9
250 to 499 miles	45.8	46.5	46.1
500 to 749 miles	42.9	40.4	40.4
750 to 999 miles	S	S	S
1,000 to 1,499 miles	43.7	39.7	39.1
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	35.6	33.9	15.9
Less than 50 miles	S	38.8	36.8
50 to 99 miles	S	42.4	41.9
100 to 249 miles	37.7	25.3	25.0
250 to 499 miles	35.0	26.0	25.8
500 to 749 miles	37.7	29.8	30.2
750 to 999 miles	32.2	40.6	40.8
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	27.0	32.3	21.7
Less than 50 miles	36.6	35.8	39.5
50 to 99 miles	17.9	23.8	23.7
100 to 249 miles	15.8	22.3	22.9
250 to 499 miles	21.6	33.7	32.6
500 to 749 miles	28.7	37.0	35.2
750 to 999 miles	21.7	S	S
1,000 to 1,499 miles	44.3	S	S
1,500 to 1,999 miles	33.3	36.9	39.3
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	8.7	7.7	13.6
Less than 50 miles	9.9	9.5	12.9
50 to 99 miles	16.9	16.5	17.2
100 to 249 miles	26.0	20.0	20.9
250 to 499 miles	23.4	28.9	28.9
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	12.7	23.6	21.4
Less than 50 miles	19.7	29.4	26.3
50 to 99 miles	25.0	24.1	25.4
100 to 249 miles	19.0	27.0	27.4
250 to 499 miles	21.4	32.5	32.6
500 to 749 miles	30.7	28.0	28.5
750 to 999 miles	34.3	32.7	32.8
1,000 to 1,499 miles	S	44.5	43.0
1,500 to 1,999 miles	S	43.3	42.4
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	19.8	31.8	42.2
Less than 50 miles	35.5	47.1	48.9
50 to 99 miles	S	46.9	46.3
100 to 249 miles	24.5	S	S
250 to 499 miles	29.9	49.9	S
500 to 749 miles	24.4	36.2	34.7
750 to 999 miles	27.0	30.6	31.4
1,000 to 1,499 miles	28.2	S	S
1,500 to 1,999 miles	42.7	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	11.7	12.4	14.7
Less than 50 miles	11.8	14.9	11.1
50 to 99 miles	25.6	25.7	25.0
100 to 249 miles	24.3	21.9	18.3
250 to 499 miles	22.0	24.0	20.9
500 to 749 miles	40.8	39.4	43.7
750 to 999 miles	32.0	30.8	30.5
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	16.0	13.6	25.6
Less than 50 miles	19.4	15.0	22.0
50 to 99 miles	25.0	26.3	26.5
100 to 249 miles	24.5	25.7	27.7
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	10.3	11.4	12.6
Less than 50 miles	12.5	14.2	14.4
50 to 99 miles	17.3	17.6	17.7
100 to 249 miles	20.3	19.6	20.9
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	14.0	16.0	18.0
Less than 50 miles	18.7	19.3	27.9
50 to 99 miles	15.1	16.7	16.0
100 to 249 miles	27.2	37.0	40.3
250 to 499 miles	15.7	16.2	17.0
500 to 749 miles	20.4	38.3	37.1
750 to 999 miles	20.3	22.5	22.8
1,000 to 1,499 miles	43.9	33.3	28.4
1,500 to 1,999 miles	20.7	S	S
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	5.7	16.9	15.5
Less than 50 miles	9.7	21.9	30.4
50 to 99 miles	8.3	20.0	21.5
100 to 249 miles	9.6	29.9	34.0
250 to 499 miles	9.4	16.3	16.7
500 to 749 miles	14.5	16.5	19.8
750 to 999 miles	16.8	24.7	26.4
1,000 to 1,499 miles	14.4	S	47.8
1,500 to 1,999 miles	19.1	15.4	15.9
2,000 miles or more	17.7	26.5	27.9
SCTG 21, Pharmaceutical products	16.0	12.9	14.9
Less than 50 miles	12.9	16.7	15.6
50 to 99 miles	13.1	19.5	20.3
100 to 249 miles	15.4	14.9	14.8
250 to 499 miles	36.6	24.8	23.9
500 to 749 miles	22.6	25.4	26.0
750 to 999 miles	36.3	24.0	23.9
1,000 to 1,499 miles	19.2	27.6	29.7
1,500 to 1,999 miles	23.4	27.8	27.6
2,000 miles or more	49.0	27.4	27.4
SCTG 22, Fertilizers	39.5	44.1	S
Less than 50 miles	23.5	28.1	41.4
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	6.7	9.3	7.6
Less than 50 miles	11.8	17.2	17.1
50 to 99 miles	11.5	13.3	14.0
100 to 249 miles	8.8	13.4	14.3
250 to 499 miles	9.6	9.2	8.9
500 to 749 miles	8.9	9.9	9.7
750 to 999 miles	15.2	16.0	16.3
1,000 to 1,499 miles	15.1	17.0	17.9
1,500 to 1,999 miles	15.3	12.8	13.2
2,000 miles or more	22.3	24.3	24.3
SCTG 24, Plastics and rubber	4.7	5.0	5.1
Less than 50 miles	6.9	6.9	10.7
50 to 99 miles	5.6	8.7	7.9
100 to 249 miles	9.4	10.4	9.6
250 to 499 miles	6.3	7.8	7.1
500 to 749 miles	5.7	7.1	7.9
750 to 999 miles	11.2	11.8	12.0
1,000 to 1,499 miles	18.1	21.4	22.8
1,500 to 1,999 miles	6.6	9.0	9.2
2,000 miles or more	16.5	23.2	23.9

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	15.7	21.2	25.7
Less than 50 miles	34.6	22.4	23.3
50 to 99 miles	27.2	39.9	38.2
100 to 249 miles	25.1	34.8	32.4
250 to 499 miles	27.7	S	S
500 to 749 miles	45.8	42.2	42.1
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	45.3	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	6.6	17.6	9.6
Less than 50 miles	8.6	28.4	32.8
50 to 99 miles	10.0	22.0	19.1
100 to 249 miles	13.2	10.5	10.3
250 to 499 miles	8.2	11.0	11.1
500 to 749 miles	14.5	18.0	17.5
750 to 999 miles	13.2	23.4	22.9
1,000 to 1,499 miles	21.3	16.8	16.3
1,500 to 1,999 miles	14.8	16.1	16.5
2,000 miles or more	19.5	25.0	25.1
SCTG 27, Pulp, newsprint, paper, and paperboard	10.1	31.9	14.9
Less than 50 miles	10.7	14.3	18.8
50 to 99 miles	9.9	S	S
100 to 249 miles	12.0	12.8	13.3
250 to 499 miles	13.8	11.8	12.1
500 to 749 miles	14.4	12.6	13.0
750 to 999 miles	17.5	23.8	23.1
1,000 to 1,499 miles	15.9	16.4	17.1
1,500 to 1,999 miles	15.2	21.9	20.6
2,000 miles or more	32.1	33.6	33.4
SCTG 28, Paper or paperboard articles	6.2	7.1	8.8
Less than 50 miles	8.4	12.5	12.3
50 to 99 miles	6.1	8.0	8.3
100 to 249 miles	7.6	9.0	9.3
250 to 499 miles	10.7	12.0	11.8
500 to 749 miles	11.2	14.0	14.0
750 to 999 miles	9.5	12.2	12.4
1,000 to 1,499 miles	20.3	28.9	30.4
1,500 to 1,999 miles	13.3	13.8	13.8
2,000 miles or more	26.0	25.1	25.4
SCTG 29, Printed products	8.9	10.6	21.9
Less than 50 miles	5.6	13.1	12.4
50 to 99 miles	11.7	15.5	16.2
100 to 249 miles	6.4	8.8	8.5
250 to 499 miles	9.3	12.0	13.9
500 to 749 miles	11.5	16.3	16.4
750 to 999 miles	16.7	23.1	24.8
1,000 to 1,499 miles	47.4	S	S
1,500 to 1,999 miles	33.4	22.4	23.0
2,000 miles or more	15.7	20.5	19.5
SCTG 30, Textiles, leather, and articles of textiles or leather	12.6	16.4	29.0
Less than 50 miles	11.8	11.0	13.4
50 to 99 miles	18.3	13.8	13.8
100 to 249 miles	18.3	30.9	34.3
250 to 499 miles	16.7	14.0	15.4
500 to 749 miles	18.1	15.1	15.4
750 to 999 miles	15.0	12.7	13.0
1,000 to 1,499 miles	15.4	16.8	16.0
1,500 to 1,999 miles	18.1	S	S
2,000 miles or more	32.1	36.0	36.2
SCTG 31, Nonmetallic mineral products	3.0	44.6	15.8
Less than 50 miles	7.2	S	S
50 to 99 miles	7.1	9.7	9.6
100 to 249 miles	8.7	11.4	12.9
250 to 499 miles	9.7	19.1	19.1
500 to 749 miles	8.7	17.1	19.3
750 to 999 miles	10.9	20.1	20.8
1,000 to 1,499 miles	16.8	20.6	19.6
1,500 to 1,999 miles	24.5	33.6	32.1
2,000 miles or more	19.5	30.0	29.0
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	4.6	9.7	6.6
Less than 50 miles	5.5	19.0	6.1
50 to 99 miles	7.1	15.1	12.4
100 to 249 miles	6.1	6.9	9.0
250 to 499 miles	8.4	11.4	11.9
500 to 749 miles	5.9	10.8	11.3
750 to 999 miles	14.5	24.9	28.1
1,000 to 1,499 miles	12.2	20.4	19.4
1,500 to 1,999 miles	14.6	19.5	19.8
2,000 miles or more	17.3	25.0	24.7

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	6.7	7.3	11.5
Less than 50 miles	6.5	10.3	11.1
50 to 99 miles	11.0	12.1	11.9
100 to 249 miles	5.9	5.0	5.3
250 to 499 miles	9.3	9.8	10.0
500 to 749 miles	15.8	14.2	14.3
750 to 999 miles	10.5	17.6	17.0
1,000 to 1,499 miles	13.3	30.6	31.4
1,500 to 1,999 miles	36.3	12.2	12.1
2,000 miles or more	28.0	30.7	31.4
SCTG 34, Machinery	4.1	6.5	13.0
Less than 50 miles	6.6	5.6	7.0
50 to 99 miles	6.8	18.3	18.8
100 to 249 miles	9.9	12.9	11.9
250 to 499 miles	6.5	7.3	7.4
500 to 749 miles	5.7	7.2	6.8
750 to 999 miles	6.2	12.4	15.0
1,000 to 1,499 miles	19.6	25.7	23.9
1,500 to 1,999 miles	16.5	25.8	27.2
2,000 miles or more	33.8	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	5.2	5.2	6.3
Less than 50 miles	9.3	9.4	10.3
50 to 99 miles	9.1	10.8	10.8
100 to 249 miles	12.2	7.2	7.2
250 to 499 miles	8.1	12.8	12.8
500 to 749 miles	6.7	7.5	7.1
750 to 999 miles	9.4	7.7	7.6
1,000 to 1,499 miles	11.4	13.3	13.6
1,500 to 1,999 miles	9.4	11.9	11.5
2,000 miles or more	11.2	21.1	21.1
SCTG 36, Motorized and other vehicles (including parts)	5.9	8.0	7.0
Less than 50 miles	10.2	13.0	10.0
50 to 99 miles	9.0	8.6	7.2
100 to 249 miles	9.4	16.7	18.4
250 to 499 miles	10.5	8.0	9.7
500 to 749 miles	8.4	7.7	7.7
750 to 999 miles	14.0	21.9	21.2
1,000 to 1,499 miles	12.3	9.7	9.9
1,500 to 1,999 miles	11.2	9.0	8.9
2,000 miles or more	16.1	29.8	29.6
SCTG 37, Transportation equipment, n.e.c.	11.7	19.4	26.0
Less than 50 miles	20.4	31.9	40.7
50 to 99 miles	38.4	34.0	35.6
100 to 249 miles	25.4	36.4	42.0
250 to 499 miles	19.3	23.6	24.1
500 to 749 miles	20.4	46.3	S
750 to 999 miles	13.2	33.3	31.4
1,000 to 1,499 miles	29.0	34.4	34.6
1,500 to 1,999 miles	27.0	23.6	23.9
2,000 miles or more	41.8	S	S
SCTG 38, Precision instruments and apparatus	5.5	11.6	12.5
Less than 50 miles	10.2	24.7	39.9
50 to 99 miles	15.9	31.4	27.9
100 to 249 miles	13.0	12.5	14.2
250 to 499 miles	8.4	19.8	21.3
500 to 749 miles	8.6	15.9	16.9
750 to 999 miles	10.3	28.9	28.7
1,000 to 1,499 miles	16.0	19.0	18.6
1,500 to 1,999 miles	14.1	15.2	15.4
2,000 miles or more	22.9	27.7	26.8
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7.7	13.1	18.9
Less than 50 miles	8.2	11.7	17.7
50 to 99 miles	12.8	17.6	19.1
100 to 249 miles	12.7	19.0	20.3
250 to 499 miles	9.1	14.8	14.5
500 to 749 miles	13.5	17.5	16.8
750 to 999 miles	14.2	23.5	24.0
1,000 to 1,499 miles	21.8	25.7	27.4
1,500 to 1,999 miles	12.7	33.0	34.2
2,000 miles or more	S	48.4	S
SCTG 40, Miscellaneous manufactured products	4.9	5.8	12.4
Less than 50 miles	10.0	15.6	13.6
50 to 99 miles	14.1	19.7	22.1
100 to 249 miles	9.8	7.0	7.2
250 to 499 miles	3.6	6.9	6.8
500 to 749 miles	5.2	8.3	8.6
750 to 999 miles	7.8	9.7	10.1
1,000 to 1,499 miles	8.4	23.5	27.0
1,500 to 1,999 miles	13.0	37.4	36.8
2,000 miles or more	14.2	26.8	25.9

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	11.1	11.4	6.4
Less than 50 miles	15.0	17.5	22.6
50 to 99 miles	17.4	18.7	17.9
100 to 249 miles	22.9	12.8	13.7
250 to 499 miles	12.0	15.0	16.4
500 to 749 miles	16.6	23.7	21.7
750 to 999 miles	32.6	31.6	32.3
1,000 to 1,499 miles	46.8	33.2	32.7
1,500 to 1,999 miles	34.4	34.7	35.3
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	9.5	11.7	11.0
Less than 50 miles	9.9	11.2	12.0
50 to 99 miles	18.8	24.5	23.0
100 to 249 miles	11.8	14.8	15.2
250 to 499 miles	43.1	26.9	29.0
500 to 749 miles	30.1	23.2	23.3
750 to 999 miles	S	42.0	40.1
1,000 to 1,499 miles	43.3	33.5	32.3
1,500 to 1,999 miles	31.6	33.8	34.2
2,000 miles or more	S	S	S
Commodity unknown	13.4	24.5	24.1
Less than 50 miles	17.2	28.3	23.9
50 to 99 miles	18.6	41.8	40.3
100 to 249 miles	18.2	28.3	30.0
250 to 499 miles	33.3	38.9	38.3
500 to 749 miles	34.5	26.2	25.8
750 to 999 miles	21.4	33.7	35.8
1,000 to 1,499 miles	34.8	37.6	39.5
1,500 to 1,999 miles	35.2	46.0	44.0
2,000 miles or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	1.3	4.5	2.6
Less than 50 lb	3.8	5.0	6.9
50 to 99 lb	5.7	5.1	7.4
100 to 499 lb	2.5	4.1	3.7
500 to 749 lb	4.6	3.9	16.7
750 to 999 lb	3.4	3.1	2.7
1,000 to 9,999 lb	2.9	5.7	4.3
10,000 to 49,999 lb	2.1	4.3	2.4
50,000 to 99,999 lb	10.7	8.8	6.6
100,000 lb or more	6.1	11.5	4.5
SCTG 01, Live animals and live fish	30.2	28.8	34.5
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	24.4	23.5	30.9
750 to 999 lb	47.6	39.2	39.1
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	30.2	28.3	34.2
50,000 to 99,999 lb	24.9	25.3	28.7
100,000 lb or more	37.8	38.4	40.9
SCTG 02, Cereal grains	9.4	8.2	9.4
Less than 50 lb	35.5	37.1	29.6
50 to 99 lb	S	27.9	27.2
100 to 499 lb	24.1	26.4	27.4
500 to 749 lb	S	32.0	33.1
750 to 999 lb	48.6	29.1	41.9
1,000 to 9,999 lb	23.8	18.6	27.6
10,000 to 49,999 lb	34.1	18.9	25.1
50,000 to 99,999 lb	16.0	16.3	15.3
100,000 lb or more	9.0	9.6	10.2
SCTG 03, Other agricultural products	7.3	7.3	15.7
Less than 50 lb	29.2	34.8	48.5
50 to 99 lb	26.2	S	25.0
100 to 499 lb	17.6	28.9	18.1
500 to 749 lb	20.9	28.5	22.7
750 to 999 lb	21.1	27.0	19.5
1,000 to 9,999 lb	14.4	16.5	16.7
10,000 to 49,999 lb	17.4	19.7	22.5
50,000 to 99,999 lb	10.3	10.9	12.5
100,000 lb or more	15.9	15.8	17.6
SCTG 04, Animal feed and products of animal origin, n.e.c.	10.4	7.9	10.7
Less than 50 lb	23.8	20.8	43.3
50 to 99 lb	23.0	17.1	25.0
100 to 499 lb	32.0	20.0	43.4
500 to 749 lb	43.0	17.7	45.2
750 to 999 lb	38.7	20.7	32.2
1,000 to 9,999 lb	18.4	17.9	31.1
10,000 to 49,999 lb	13.4	11.6	21.6
50,000 to 99,999 lb	20.0	21.9	20.0
100,000 lb or more	17.9	10.9	13.4
SCTG 05, Meat, fish, seafood, and their preparations	8.4	7.4	11.0
Less than 50 lb	24.6	22.7	39.2
50 to 99 lb	37.4	25.4	25.6
100 to 499 lb	18.0	14.4	11.3
500 to 749 lb	10.0	12.1	11.4
750 to 999 lb	10.9	12.1	13.8
1,000 to 9,999 lb	9.5	10.4	8.5
10,000 to 49,999 lb	11.0	9.7	13.0
50,000 to 99,999 lb	36.0	36.6	37.1
100,000 lb or more	30.7	26.7	S
SCTG 06, Milled grain products and preparations, and bakery products	5.9	10.0	12.2
Less than 50 lb	24.6	22.1	43.6
50 to 99 lb	20.5	24.8	22.4
100 to 499 lb	24.4	24.4	15.7
500 to 749 lb	21.2	19.3	18.1
750 to 999 lb	24.5	20.1	24.9
1,000 to 9,999 lb	16.4	17.5	21.7
10,000 to 49,999 lb	6.7	8.2	8.7
50,000 to 99,999 lb	37.0	44.0	36.4
100,000 lb or more	18.4	21.5	24.2
SCTG 07, Other prepared foodstuffs and fats and oils	3.5	4.9	7.3
Less than 50 lb	19.8	13.5	30.1
50 to 99 lb	18.8	14.0	17.7
100 to 499 lb	8.4	12.2	10.1
500 to 749 lb	8.2	14.3	12.1
750 to 999 lb	13.5	14.1	24.2
1,000 to 9,999 lb	6.4	8.1	8.1
10,000 to 49,999 lb	4.2	4.3	4.5
50,000 to 99,999 lb	9.9	10.3	17.2
100,000 lb or more	13.5	15.5	18.7

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	7.5	11.4	30.4
Less than 50 lb	11.6	8.8	17.1
50 to 99 lb	13.3	8.7	10.4
100 to 499 lb	7.5	6.5	5.5
500 to 749 lb	8.1	8.3	7.0
750 to 999 lb	13.3	9.2	8.9
1,000 to 9,999 lb	7.1	7.2	7.6
10,000 to 49,999 lb	24.1	23.1	23.1
50,000 to 99,999 lb	24.3	28.5	33.6
100,000 lb or more	30.5	39.5	S
SCTG 09, Tobacco products	14.9	16.9	36.1
Less than 50 lb	12.0	11.6	20.3
50 to 99 lb	14.0	13.1	29.9
100 to 499 lb	15.4	14.3	29.5
500 to 749 lb	24.8	24.9	42.2
750 to 999 lb	30.1	36.0	42.3
1,000 to 9,999 lb	26.3	31.1	47.1
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	35.6	33.9	15.9
Less than 50 lb	36.2	37.3	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	39.2	43.5	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	41.5	S
10,000 to 49,999 lb	28.2	S	19.0
50,000 to 99,999 lb	46.1	38.2	25.8
100,000 lb or more	S	S	S
SCTG 11, Natural sands	27.0	32.3	21.7
Less than 50 lb	S	S	S
50 to 99 lb	48.1	40.9	46.8
100 to 499 lb	S	34.8	32.4
500 to 749 lb	S	42.4	34.9
750 to 999 lb	S	39.0	45.4
1,000 to 9,999 lb	49.8	22.2	20.6
10,000 to 49,999 lb	34.9	44.9	40.2
50,000 to 99,999 lb	28.4	39.1	30.8
100,000 lb or more	26.3	40.4	25.1
SCTG 12, Gravel and crushed stone	8.7	7.7	13.6
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	32.8	S
500 to 749 lb	S	27.3	38.9
750 to 999 lb	S	S	49.5
1,000 to 9,999 lb	S	18.2	29.9
10,000 to 49,999 lb	9.6	10.7	18.1
50,000 to 99,999 lb	20.6	16.4	16.1
100,000 lb or more	16.2	15.5	22.7
SCTG 13, Nonmetallic minerals n.e.c.	12.7	23.6	21.4
Less than 50 lb	41.8	35.5	S
50 to 99 lb	32.3	35.7	S
100 to 499 lb	46.6	25.7	27.3
500 to 749 lb	33.2	23.5	37.0
750 to 999 lb	S	S	S
1,000 to 9,999 lb	32.6	20.6	30.6
10,000 to 49,999 lb	16.2	35.8	22.3
50,000 to 99,999 lb	15.9	25.0	19.9
100,000 lb or more	21.1	23.0	29.3
SCTG 14, Metallic ores and concentrates	19.8	31.8	42.2
Less than 50 lb	S	S	S
50 to 99 lb	35.2	27.8	35.8
100 to 499 lb	41.6	29.9	31.6
500 to 749 lb	25.9	22.8	25.5
750 to 999 lb	46.1	33.9	36.0
1,000 to 9,999 lb	33.5	21.4	24.7
10,000 to 49,999 lb	18.7	17.2	19.6
50,000 to 99,999 lb	S	49.5	46.3
100,000 lb or more	27.9	32.7	44.0
SCTG 15, Coal	11.7	12.4	14.7
Less than 50 lb	—	—	—
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	41.2	S
10,000 to 49,999 lb	27.7	31.2	25.0
50,000 to 99,999 lb	31.7	32.7	34.8
100,000 lb or more	12.6	14.0	15.6

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	16.0	13.6	25.6
Less than 50 lb	S	44.7	34.9
50 to 99 lb	26.5	33.6	S
100 to 499 lb	27.6	28.8	21.7
500 to 749 lb	24.3	24.3	18.4
750 to 999 lb	27.9	28.1	28.4
1,000 to 9,999 lb	23.7	16.7	27.1
10,000 to 49,999 lb	11.7	12.1	14.5
50,000 to 99,999 lb	26.9	21.1	19.9
100,000 lb or more	21.0	21.5	50.0
SCTG 18, Fuel oils	10.3	11.4	12.6
Less than 50 lb	38.5	33.1	35.7
50 to 99 lb	35.6	34.1	40.0
100 to 499 lb	32.4	23.1	29.1
500 to 749 lb	32.4	33.0	30.1
750 to 999 lb	25.4	25.1	19.7
1,000 to 9,999 lb	10.7	12.4	9.8
10,000 to 49,999 lb	15.4	14.2	19.6
50,000 to 99,999 lb	13.1	12.9	19.8
100,000 lb or more	22.0	22.0	21.4
SCTG 19, Coal and petroleum products, n.e.c.	14.0	16.0	18.0
Less than 50 lb	25.9	14.6	41.3
50 to 99 lb	22.3	18.9	45.8
100 to 499 lb	32.7	25.0	27.1
500 to 749 lb	18.7	22.0	15.3
750 to 999 lb	23.8	25.6	36.3
1,000 to 9,999 lb	31.3	24.8	32.4
10,000 to 49,999 lb	12.7	17.5	24.8
50,000 to 99,999 lb	20.6	25.4	27.1
100,000 lb or more	23.8	23.1	21.8
SCTG 20, Basic chemicals	5.7	16.9	15.5
Less than 50 lb	16.7	29.2	20.0
50 to 99 lb	19.6	33.8	23.7
100 to 499 lb	16.5	44.2	23.1
500 to 749 lb	18.5	28.9	33.5
750 to 999 lb	44.4	25.1	17.7
1,000 to 9,999 lb	11.0	18.2	11.7
10,000 to 49,999 lb	8.5	23.5	12.2
50,000 to 99,999 lb	22.1	30.0	20.4
100,000 lb or more	21.6	27.7	24.1
SCTG 21, Pharmaceutical products	16.0	12.9	14.9
Less than 50 lb	15.8	17.4	23.5
50 to 99 lb	15.6	22.0	19.1
100 to 499 lb	22.7	16.9	18.9
500 to 749 lb	40.3	20.4	24.9
750 to 999 lb	33.1	15.2	21.2
1,000 to 9,999 lb	27.8	15.6	17.7
10,000 to 49,999 lb	21.2	21.2	22.9
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	39.5	44.1	S
Less than 50 lb	S	S	S
50 to 99 lb	S	36.3	S
100 to 499 lb	26.2	25.5	20.0
500 to 749 lb	28.0	44.0	40.9
750 to 999 lb	32.2	44.5	30.6
1,000 to 9,999 lb	21.4	23.7	16.0
10,000 to 49,999 lb	40.5	42.6	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	6.7	9.3	7.6
Less than 50 lb	11.5	13.1	15.0
50 to 99 lb	17.2	15.5	12.9
100 to 499 lb	12.3	12.0	14.0
500 to 749 lb	39.5	13.3	10.7
750 to 999 lb	31.5	24.4	12.3
1,000 to 9,999 lb	9.9	10.4	8.0
10,000 to 49,999 lb	7.2	10.6	8.3
50,000 to 99,999 lb	20.9	24.9	22.6
100,000 lb or more	18.7	17.6	19.6
SCTG 24, Plastics and rubber	4.7	5.0	5.1
Less than 50 lb	9.2	18.4	29.4
50 to 99 lb	6.2	8.3	10.3
100 to 499 lb	6.7	6.8	6.5
500 to 749 lb	8.8	6.6	9.6
750 to 999 lb	7.4	6.5	10.3
1,000 to 9,999 lb	4.9	6.6	6.4
10,000 to 49,999 lb	7.5	6.0	7.0
50,000 to 99,999 lb	27.9	26.2	42.1
100,000 lb or more	22.0	20.6	21.4

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	15.7	21.2	25.7
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	41.8	28.1	41.4
10,000 to 49,999 lb	28.5	36.9	40.6
50,000 to 99,999 lb	21.4	33.4	31.1
100,000 lb or more	26.5	38.3	43.0
SCTG 26, Wood products	6.6	17.6	9.6
Less than 50 lb	17.6	10.2	15.5
50 to 99 lb	12.9	12.2	16.5
100 to 499 lb	13.7	11.2	11.0
500 to 749 lb	12.5	11.3	13.8
750 to 999 lb	11.4	8.9	19.5
1,000 to 9,999 lb	7.3	44.4	16.2
10,000 to 49,999 lb	9.1	16.0	11.9
50,000 to 99,999 lb	12.0	17.8	15.3
100,000 lb or more	18.8	29.6	17.5
SCTG 27, Pulp, newsprint, paper, and paperboard	10.1	31.9	14.9
Less than 50 lb	15.7	15.2	25.4
50 to 99 lb	16.0	15.4	36.2
100 to 499 lb	11.8	12.1	31.3
500 to 749 lb	14.9	15.0	29.5
750 to 999 lb	16.6	14.7	29.8
1,000 to 9,999 lb	17.9	12.8	17.9
10,000 to 49,999 lb	10.9	12.7	15.6
50,000 to 99,999 lb	17.9	21.0	23.9
100,000 lb or more	14.2	S	30.4
SCTG 28, Paper or paperboard articles	6.2	7.1	8.8
Less than 50 lb	16.3	15.3	24.9
50 to 99 lb	13.5	12.6	18.5
100 to 499 lb	6.6	7.5	9.2
500 to 749 lb	13.4	8.5	21.7
750 to 999 lb	10.2	10.6	11.3
1,000 to 9,999 lb	8.8	9.1	9.7
10,000 to 49,999 lb	8.9	8.8	10.9
50,000 to 99,999 lb	28.4	39.4	44.8
100,000 lb or more	31.7	48.4	S
SCTG 29, Printed products	8.9	10.6	21.9
Less than 50 lb	11.4	9.7	17.4
50 to 99 lb	20.9	15.2	30.6
100 to 499 lb	22.6	12.3	29.2
500 to 749 lb	14.1	23.3	29.0
750 to 999 lb	20.1	19.6	37.7
1,000 to 9,999 lb	11.0	18.1	42.3
10,000 to 49,999 lb	8.3	9.2	10.2
50,000 to 99,999 lb	29.0	22.2	33.3
100,000 lb or more	16.4	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	12.6	16.4	29.0
Less than 50 lb	14.9	13.6	19.3
50 to 99 lb	36.8	22.9	29.3
100 to 499 lb	13.4	9.8	10.3
500 to 749 lb	11.8	13.4	9.5
750 to 999 lb	11.9	12.8	14.9
1,000 to 9,999 lb	16.3	11.0	16.8
10,000 to 49,999 lb	34.8	41.9	S
50,000 to 99,999 lb	S	38.5	48.5
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	3.0	44.6	15.8
Less than 50 lb	25.7	20.6	25.3
50 to 99 lb	18.9	17.5	28.8
100 to 499 lb	20.1	21.1	21.1
500 to 749 lb	18.6	30.1	21.7
750 to 999 lb	14.2	13.7	15.5
1,000 to 9,999 lb	12.2	29.5	10.8
10,000 to 49,999 lb	4.7	12.2	4.3
50,000 to 99,999 lb	7.4	32.4	13.6
100,000 lb or more	36.3	S	39.1
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	4.6	9.7	6.6
Less than 50 lb	14.8	11.8	14.0
50 to 99 lb	11.6	9.3	12.2
100 to 499 lb	8.7	9.2	10.2
500 to 749 lb	9.0	8.8	8.6
750 to 999 lb	15.4	8.2	11.7
1,000 to 9,999 lb	3.4	6.0	4.9
10,000 to 49,999 lb	7.0	9.9	8.4
50,000 to 99,999 lb	8.8	17.6	6.9
100,000 lb or more	13.3	14.2	15.1

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	6.7	7.3	11.5
Less than 50 lb	12.1	16.3	42.5
50 to 99 lb	33.2	22.6	34.6
100 to 499 lb	17.1	10.2	21.7
500 to 749 lb	16.8	12.8	13.0
750 to 999 lb	13.4	10.4	11.4
1,000 to 9,999 lb	9.0	14.7	24.4
10,000 to 49,999 lb	6.4	6.7	8.6
50,000 to 99,999 lb	17.0	18.9	28.3
100,000 lb or more	24.2	30.3	35.5
SCTG 34, Machinery	4.1	6.5	13.0
Less than 50 lb	9.0	11.8	15.5
50 to 99 lb	6.8	8.8	9.5
100 to 499 lb	4.4	6.3	6.7
500 to 749 lb	21.7	33.3	S
750 to 999 lb	10.4	11.8	14.5
1,000 to 9,999 lb	4.0	5.6	8.1
10,000 to 49,999 lb	6.6	6.9	12.9
50,000 to 99,999 lb	18.3	31.9	27.8
100,000 lb or more	20.2	26.6	40.4
SCTG 35, Electronic and other electrical equipment and components and office equipment	5.2	5.2	6.3
Less than 50 lb	6.7	6.6	9.2
50 to 99 lb	12.8	8.4	16.7
100 to 499 lb	7.5	6.6	13.1
500 to 749 lb	7.4	11.5	14.1
750 to 999 lb	15.6	9.0	12.1
1,000 to 9,999 lb	9.8	5.6	7.2
10,000 to 49,999 lb	8.8	8.0	9.8
50,000 to 99,999 lb	27.4	29.7	35.2
100,000 lb or more	28.6	46.6	44.1
SCTG 36, Motorized and other vehicles (including parts)	5.9	8.0	7.0
Less than 50 lb	8.9	10.6	16.4
50 to 99 lb	13.7	11.0	15.9
100 to 499 lb	16.3	8.9	13.3
500 to 749 lb	16.0	17.7	26.4
750 to 999 lb	17.6	16.1	14.6
1,000 to 9,999 lb	12.7	8.1	9.1
10,000 to 49,999 lb	8.4	6.9	7.4
50,000 to 99,999 lb	23.0	11.7	14.7
100,000 lb or more	31.4	39.6	43.2
SCTG 37, Transportation equipment, n.e.c.	11.7	19.4	26.0
Less than 50 lb	22.7	24.3	25.8
50 to 99 lb	31.6	23.4	21.8
100 to 499 lb	26.1	20.6	23.7
500 to 749 lb	28.6	24.3	24.2
750 to 999 lb	41.6	32.9	37.3
1,000 to 9,999 lb	14.3	12.8	13.4
10,000 to 49,999 lb	18.9	20.2	20.9
50,000 to 99,999 lb	S	S	S
100,000 lb or more	41.2	46.1	S
SCTG 38, Precision instruments and apparatus	5.5	11.6	12.5
Less than 50 lb	10.0	10.4	11.2
50 to 99 lb	11.8	13.9	23.0
100 to 499 lb	17.1	13.5	15.4
500 to 749 lb	19.8	21.8	24.8
750 to 999 lb	20.5	20.1	25.6
1,000 to 9,999 lb	12.6	25.5	16.3
10,000 to 49,999 lb	38.6	29.8	31.7
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7.7	13.1	18.9
Less than 50 lb	13.4	11.7	17.9
50 to 99 lb	9.6	13.4	17.4
100 to 499 lb	8.2	10.4	18.1
500 to 749 lb	9.3	9.7	17.1
750 to 999 lb	11.8	10.2	13.4
1,000 to 9,999 lb	6.6	8.7	13.6
10,000 to 49,999 lb	16.0	23.8	33.3
50,000 to 99,999 lb	46.3	S	S
100,000 lb or more	42.5	39.6	49.7
SCTG 40, Miscellaneous manufactured products	4.9	5.8	12.4
Less than 50 lb	7.8	8.9	9.5
50 to 99 lb	7.4	7.7	8.1
100 to 499 lb	5.2	14.3	11.9
500 to 749 lb	10.0	10.7	13.8
750 to 999 lb	12.6	11.6	11.9
1,000 to 9,999 lb	11.2	9.3	10.9
10,000 to 49,999 lb	11.8	9.2	9.6
50,000 to 99,999 lb	21.9	17.9	S
100,000 lb or more	32.6	S	S

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	11.1	11.4	6.4
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	28.9	S
500 to 749 lb	S	S	S
750 to 999 lb	S	43.0	S
1,000 to 9,999 lb	22.2	29.4	32.8
10,000 to 49,999 lb	14.2	16.4	13.3
50,000 to 99,999 lb	9.9	11.6	12.1
100,000 lb or more	13.2	13.5	9.1
SCTG 43, Mixed freight	9.5	11.7	11.0
Less than 50 lb	35.0	34.2	S
50 to 99 lb	14.4	17.9	35.3
100 to 499 lb	14.6	20.8	17.6
500 to 749 lb	15.1	19.8	18.3
750 to 999 lb	16.5	18.3	18.3
1,000 to 9,999 lb	11.0	12.3	11.6
10,000 to 49,999 lb	14.1	15.7	13.6
50,000 to 99,999 lb	S	46.6	S
100,000 lb or more	S	S	S
Commodity unknown	13.4	24.5	24.1
Less than 50 lb	20.7	30.3	40.6
50 to 99 lb	34.2	22.9	50.0
100 to 499 lb	21.1	18.9	30.3
500 to 749 lb	44.0	19.6	21.0
750 to 999 lb	35.6	36.4	26.2
1,000 to 9,999 lb	17.5	33.1	31.1
10,000 to 49,999 lb	26.2	24.9	22.4
50,000 to 99,999 lb	45.3	31.9	27.5
100,000 lb or more	S	49.7	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	1.3	4.5	2.6	4.8	2.7	6.8	7.1	3.0	7.0	6.8
Less than 50 lb	3.8	5.0	6.9	4.8	4.7	6.2	6.1	4.5	5.5	5.1
50 to 99 lb	5.7	5.1	7.4	4.9	8.6	6.2	5.7	6.1	6.4	6.4
100 to 499 lb	2.5	4.1	3.7	3.6	3.3	5.9	6.0	4.7	4.8	4.6
500 to 749 lb	4.6	3.9	16.7	9.4	5.2	4.0	4.5	7.6	5.6	6.0
750 to 999 lb	3.4	3.1	2.7	2.3	6.8	4.8	4.9	11.8	7.8	7.3
1,000 to 9,999 lb	2.9	5.7	4.3	3.0	4.4	8.5	10.3	4.3	5.3	4.6
10,000 to 49,999 lb	2.1	4.3	2.4	3.3	3.3	6.6	8.8	4.4	5.1	4.6
50,000 to 99,999 lb	10.7	8.8	6.6	4.1	13.6	10.0	10.7	13.2	13.2	13.2
100,000 lb or more	6.1	11.5	4.5	14.4	11.6	21.8	21.5	12.8	22.2	18.3
SCTG 01, Live animals and live fish	30.2	28.8	34.5	14.0	23.1	27.3	26.9	36.1	35.1	34.5
Less than 50 lb	S	S	S	19.8	S	S	S	S	S	S
50 to 99 lb	S	S	S	20.2	S	S	S	S	S	S
100 to 499 lb	S	S	S	25.2	S	S	S	S	S	S
500 to 749 lb	24.4	23.5	30.9	35.1	25.9	25.4	29.7	S	S	S
750 to 999 lb	47.6	39.2	39.1	22.6	S	42.5	44.3	S	S	S
1,000 to 9,999 lb	S	S	S	22.1	24.5	29.6	29.1	26.5	26.9	27.0
10,000 to 49,999 lb	30.2	28.3	34.2	8.8	27.9	31.3	31.5	34.5	34.0	32.9
50,000 to 99,999 lb	24.9	25.3	28.7	12.8	39.3	43.2	48.7	S	S	S
100,000 lb or more	37.8	38.4	40.9	19.2	S	S	S	S	S	S
SCTG 02, Cereal grains	9.4	8.2	9.4	19.6	15.9	15.5	16.0	17.2	19.2	20.4
Less than 50 lb	35.5	37.1	29.6	S	41.7	38.4	36.1	S	S	S
50 to 99 lb	S	27.9	27.2	S	S	28.3	34.5	S	S	S
100 to 499 lb	24.1	26.4	27.4	S	25.8	27.1	32.9	S	43.6	42.0
500 to 749 lb	S	32.0	33.1	S	31.5	28.7	26.5	S	S	S
750 to 999 lb	48.6	29.1	41.9	S	S	32.5	S	S	S	S
1,000 to 9,999 lb	23.8	18.6	27.6	46.1	26.5	20.7	16.1	43.6	33.5	34.2
10,000 to 49,999 lb	34.1	18.9	25.1	29.2	22.2	26.6	25.9	37.7	47.7	41.2
50,000 to 99,999 lb	16.0	16.3	15.3	14.7	18.0	18.1	17.6	30.2	31.4	34.0
100,000 lb or more	9.0	9.6	10.2	5.1	28.3	24.7	26.6	30.2	31.9	29.7
SCTG 03, Other agricultural products	7.3	7.3	15.7	17.1	13.1	14.1	13.4	12.1	17.9	16.3
Less than 50 lb	29.2	34.8	48.5	16.5	41.3	S	S	25.8	25.4	29.4
50 to 99 lb	26.2	S	25.0	S	34.8	S	S	30.8	28.7	28.9
100 to 499 lb	17.6	28.9	18.1	15.3	22.2	34.5	32.1	22.5	30.7	29.0
500 to 749 lb	20.9	28.5	22.7	23.9	20.4	32.5	42.0	39.2	39.4	39.4
750 to 999 lb	21.1	27.0	19.5	36.0	37.1	43.6	27.2	23.6	27.8	26.0
1,000 to 9,999 lb	14.4	16.5	16.7	40.8	19.9	21.9	37.5	26.8	S	43.9
10,000 to 49,999 lb	17.4	19.7	22.5	20.1	25.4	26.5	20.3	21.8	37.4	32.1
50,000 to 99,999 lb	10.3	10.9	12.5	9.7	13.9	14.3	16.8	27.6	27.1	27.6
100,000 lb or more	15.9	15.8	17.6	11.0	48.5	S	49.6	24.1	24.0	18.5
SCTG 04, Animal feed and products of animal origin, n.e.c.	10.4	7.9	10.7	20.7	17.0	16.5	16.0	26.5	14.6	12.7
Less than 50 lb	23.8	20.8	43.3	24.9	22.5	20.4	20.0	S	S	S
50 to 99 lb	23.0	17.1	25.0	26.2	20.3	17.3	17.8	S	41.9	43.9
100 to 499 lb	32.0	20.0	43.4	15.5	22.6	19.4	18.1	S	32.0	32.9
500 to 749 lb	43.0	17.7	45.2	21.4	27.3	17.2	14.9	S	33.1	33.9
750 to 999 lb	38.7	20.7	32.2	32.4	28.2	20.9	17.8	S	36.9	38.3
1,000 to 9,999 lb	18.4	17.9	31.1	19.9	18.8	20.9	17.0	S	22.5	24.4
10,000 to 49,999 lb	13.4	11.6	21.6	15.4	22.9	17.8	19.8	38.8	17.2	18.1
50,000 to 99,999 lb	20.0	21.9	20.0	16.7	32.4	34.4	30.4	36.3	42.5	35.5
100,000 lb or more	17.9	10.9	13.4	6.9	S	44.0	S	26.5	26.2	26.3
SCTG 05, Meat, fish, seafood, and their preparations	8.4	7.4	11.0	27.9	11.5	10.8	10.3	12.7	13.4	12.6
Less than 50 lb	24.6	22.7	39.2	30.2	30.9	26.1	28.2	41.9	45.6	43.4
50 to 99 lb	37.4	25.4	25.6	36.2	34.6	25.2	23.8	S	36.6	38.8
100 to 499 lb	18.0	14.4	11.3	19.9	20.7	16.4	15.7	25.1	20.3	20.2
500 to 749 lb	10.0	12.1	11.4	23.9	15.7	16.6	20.0	20.1	16.8	17.5
750 to 999 lb	10.9	12.1	13.8	25.7	16.1	14.2	15.3	18.6	22.0	24.1
1,000 to 9,999 lb	9.5	10.4	8.5	8.4	15.2	14.1	13.7	12.2	16.2	16.5
10,000 to 49,999 lb	11.0	9.7	13.0	5.6	12.8	14.3	15.9	25.4	24.5	21.5
50,000 to 99,999 lb	36.0	36.6	37.1	26.7	S	S	S	-	-	-
100,000 lb or more	30.7	26.7	S	31.1	36.4	33.7	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	5.9	10.0	12.2	27.3	10.3	14.4	27.6	10.0	11.6	11.6
Less than 50 lb	24.6	22.1	43.6	28.8	22.0	22.9	30.1	33.6	34.2	37.6
50 to 99 lb	20.5	24.8	22.4	41.7	22.2	27.0	32.5	47.2	37.9	38.6
100 to 499 lb	24.4	24.4	15.7	33.8	28.2	28.6	30.5	30.3	27.3	27.9
500 to 749 lb	21.2	19.3	18.1	12.0	26.4	26.5	18.6	31.9	24.2	23.5
750 to 999 lb	24.5	20.1	24.9	17.7	27.7	20.4	19.3	31.3	27.2	26.0
1,000 to 9,999 lb	16.4	17.5	21.7	8.1	18.7	15.9	15.6	18.5	16.8	16.9
10,000 to 49,999 lb	6.7	8.2	8.7	4.0	9.0	10.9	13.6	13.9	21.3	21.4
50,000 to 99,999 lb	37.0	44.0	36.4	35.4	S	S	S	35.7	33.1	31.3
100,000 lb or more	18.4	21.5	24.2	7.4	41.1	42.6	46.4	S	S	46.3

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	3.5	4.9	7.3	20.2	5.5	6.2	6.4	6.4	9.2	8.6
Less than 50 lb	19.8	13.5	30.1	18.6	26.1	17.5	19.9	22.7	30.1	30.2
50 to 99 lb	18.8	14.0	17.7	29.9	26.1	17.2	20.4	28.3	26.1	25.7
100 to 499 lb	8.4	12.2	10.1	16.3	10.7	13.9	14.9	13.2	19.2	19.3
500 to 749 lb	8.2	14.3	12.1	24.5	12.2	16.9	15.5	18.2	25.2	26.2
750 to 999 lb	13.5	14.1	24.2	28.0	15.1	17.4	12.1	15.6	29.4	29.0
1,000 to 9,999 lb	6.4	8.1	8.1	13.4	9.9	10.0	9.4	10.4	16.9	16.3
10,000 to 49,999 lb	4.2	4.3	4.5	3.8	6.0	5.2	5.6	8.2	12.3	12.2
50,000 to 99,999 lb	9.9	10.3	17.2	14.9	13.6	14.7	17.7	18.1	20.0	18.0
100,000 lb or more	13.5	15.5	18.7	5.6	23.4	21.5	37.1	29.5	39.3	38.8
SCTG 08, Alcoholic beverages	7.5	11.4	30.4	8.0	5.2	6.4	7.1	18.0	25.7	26.0
Less than 50 lb	11.6	8.8	17.1	10.2	13.4	10.0	10.8	17.1	14.3	14.6
50 to 99 lb	13.3	8.7	10.4	8.0	13.9	9.3	8.3	21.8	21.8	21.7
100 to 499 lb	7.5	6.5	5.5	7.3	8.2	7.2	6.6	20.5	17.2	17.0
500 to 749 lb	8.1	8.3	7.0	6.2	8.3	8.7	8.8	33.2	21.9	21.2
750 to 999 lb	13.3	9.2	8.9	6.1	14.6	9.7	10.2	33.1	26.3	25.9
1,000 to 9,999 lb	7.1	7.2	7.6	4.6	7.3	7.4	7.9	30.5	32.2	29.9
10,000 to 49,999 lb	24.1	23.1	23.1	17.8	20.6	21.7	25.5	37.3	33.4	31.9
50,000 to 99,999 lb	24.3	26.5	33.6	15.1	26.4	30.3	35.6	S	S	S
100,000 lb or more	30.5	39.5	S	20.0	41.3	37.5	43.0	S	S	S
SCTG 09, Tobacco products	14.9	16.9	36.1	16.1	13.4	17.4	22.3	20.1	28.2	29.8
Less than 50 lb	12.0	11.6	20.3	14.5	12.3	13.3	14.0	26.5	26.8	25.7
50 to 99 lb	14.0	13.1	29.9	19.9	15.4	16.1	15.3	34.2	26.1	26.3
100 to 499 lb	15.4	14.3	29.5	16.2	16.0	14.7	15.5	20.8	23.4	23.1
500 to 749 lb	24.8	24.9	42.2	26.6	30.9	26.3	33.7	35.7	33.7	35.6
750 to 999 lb	30.1	36.0	42.3	21.2	34.4	37.8	S	35.3	32.5	32.1
1,000 to 9,999 lb	26.3	31.1	47.1	40.0	29.2	36.2	44.3	44.5	49.3	S
10,000 to 49,999 lb	S	S	S	22.2	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	35.6	33.9	15.9	42.2	S	38.8	36.8	S	42.4	41.9
Less than 50 lb	36.2	37.3	S	26.8	46.8	S	S	S	S	S
50 to 99 lb	S	S	S	38.9	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	39.2	43.5	S	24.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	36.6	S	S	S	S	S	S
1,000 to 9,999 lb	S	41.5	S	30.4	S	S	S	S	S	S
10,000 to 49,999 lb	28.2	S	19.0	S	S	S	S	42.1	49.3	49.8
50,000 to 99,999 lb	46.1	38.2	25.8	S	S	42.1	39.5	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	—	—	—
SCTG 11, Natural sands	27.0	32.3	21.7	19.9	36.6	35.8	39.5	17.9	23.8	23.7
Less than 50 lb	S	S	S	22.4	S	S	S	—	—	—
50 to 99 lb	48.1	40.9	46.8	30.6	S	42.8	S	S	S	S
100 to 499 lb	S	34.8	32.4	S	S	36.7	44.7	S	S	S
500 to 749 lb	S	42.4	34.9	S	S	45.1	44.3	S	47.6	48.8
750 to 999 lb	S	39.0	45.4	S	S	43.3	S	S	S	S
1,000 to 9,999 lb	49.8	22.2	20.6	44.8	S	23.2	28.1	S	33.7	35.1
10,000 to 49,999 lb	34.9	44.9	40.2	40.8	43.5	48.9	S	18.5	32.5	31.1
50,000 to 99,999 lb	28.4	39.1	30.8	20.9	33.0	42.4	39.0	22.8	31.0	31.5
100,000 lb or more	26.3	40.4	25.1	33.1	49.8	S	S	28.3	43.7	43.8
SCTG 12, Gravel and crushed stone	8.7	7.7	13.6	7.8	9.9	9.5	12.9	16.9	16.5	17.2
Less than 50 lb	S	S	S	22.4	S	S	S	—	—	—
50 to 99 lb	S	S	S	23.8	S	S	S	S	S	S
100 to 499 lb	S	32.8	S	29.7	S	34.9	28.6	S	S	S
500 to 749 lb	S	27.3	38.9	34.2	S	32.5	42.3	S	S	S
750 to 999 lb	S	S	49.5	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	18.2	29.9	20.6	S	18.6	27.2	S	S	S
10,000 to 49,999 lb	9.6	10.7	18.1	8.5	9.5	10.8	16.7	23.1	21.5	21.0
50,000 to 99,999 lb	20.6	16.4	16.1	8.1	22.3	17.1	18.3	20.0	21.8	21.4
100,000 lb or more	16.2	15.5	22.7	28.0	21.6	20.9	19.1	30.5	30.1	31.3
SCTG 13, Nonmetallic minerals n.e.c.	12.7	23.6	21.4	25.1	19.7	29.4	26.3	25.0	24.1	25.4
Less than 50 lb	41.8	35.5	S	17.8	47.7	31.9	42.3	S	S	S
50 to 99 lb	32.3	35.7	S	S	34.8	39.4	46.6	S	S	S
100 to 499 lb	46.6	25.7	27.3	S	S	26.7	40.1	S	40.5	40.0
500 to 749 lb	33.2	23.5	37.0	S	33.6	24.8	32.4	S	S	S
750 to 999 lb	S	S	S	49.5	S	39.0	43.8	—	—	—
1,000 to 9,999 lb	32.6	20.6	30.6	23.5	24.7	24.0	22.2	46.4	42.6	47.5
10,000 to 49,999 lb	16.2	35.8	22.3	S	27.2	38.8	39.5	22.5	22.0	22.6
50,000 to 99,999 lb	15.9	25.0	19.9	44.8	21.9	32.3	30.4	33.6	33.2	32.3
100,000 lb or more	21.1	23.0	29.3	31.6	35.1	44.3	48.7	47.1	44.6	48.4

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	19.8	31.8	42.2	10.5	35.5	47.1	48.9	S	46.9	46.3
Less than 50 lb	S	S	S	20.8	45.2	44.0	34.5	S	S	S
50 to 99 lb	35.2	27.8	35.8	37.2	S	47.3	S	S	S	S
100 to 499 lb	41.6	29.9	31.6	24.6	29.3	28.3	38.5	S	40.2	41.9
500 to 749 lb	25.9	22.8	25.5	S	43.2	32.5	34.9	S	S	S
750 to 999 lb	46.1	33.9	36.0	35.8	S	S	S	S	S	S
1,000 to 9,999 lb	33.5	21.4	24.7	36.0	31.3	29.1	40.7	S	31.1	28.7
10,000 to 49,999 lb	18.7	17.2	19.6	16.9	38.6	25.5	30.6	S	49.8	49.7
50,000 to 99,999 lb	S	49.5	46.3	22.4	S	S	S	S	S	S
100,000 lb or more	27.9	32.7	44.0	22.0	47.1	47.6	49.1	—	—	—
SCTG 15, Coal	11.7	12.4	14.7	16.8	11.8	14.9	11.1	25.6	25.7	25.0
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	22.4	S	S	S	S	S	S
500 to 749 lb	S	S	S	21.8	S	S	S	S	S	S
750 to 999 lb	S	S	S	22.4	S	S	S	—	—	—
1,000 to 9,999 lb	S	41.2	S	45.7	S	42.4	45.1	—	—	—
10,000 to 49,999 lb	27.7	31.2	25.0	23.8	36.4	38.5	35.9	32.9	44.1	44.8
50,000 to 99,999 lb	31.7	32.7	34.8	19.1	32.9	35.7	27.2	47.2	S	S
100,000 lb or more	12.6	14.0	15.6	10.1	16.1	19.5	13.4	27.3	25.8	24.1
SCTG 17, Gasoline and aviation turbine fuel	16.0	13.6	25.6	8.6	19.4	15.0	22.0	25.0	26.3	26.5
Less than 50 lb	S	44.7	34.9	S	S	44.8	35.5	S	S	S
50 to 99 lb	26.5	33.6	S	46.4	28.7	36.0	29.2	S	S	S
100 to 499 lb	27.6	28.8	21.7	18.8	28.1	29.4	25.7	S	S	S
500 to 749 lb	24.3	24.7	18.4	16.6	25.9	25.0	18.8	S	S	S
750 to 999 lb	27.9	28.1	28.4	15.9	28.0	28.2	29.0	S	S	S
1,000 to 9,999 lb	23.7	16.7	27.1	11.9	26.2	18.4	39.2	39.3	26.9	26.9
10,000 to 49,999 lb	11.7	12.1	14.5	8.2	12.1	11.7	14.5	25.5	26.3	27.9
50,000 to 99,999 lb	26.9	21.1	19.9	7.6	31.3	23.9	19.9	35.0	35.3	35.2
100,000 lb or more	21.0	21.5	50.0	20.6	17.2	17.5	26.7	S	40.1	41.5
SCTG 18, Fuel oils	10.3	11.4	12.6	10.3	12.5	14.2	14.4	17.3	17.6	17.7
Less than 50 lb	38.5	33.1	35.7	S	39.0	33.7	29.7	S	S	S
50 to 99 lb	35.6	34.1	40.0	29.2	31.1	34.5	37.1	S	S	S
100 to 499 lb	32.4	23.1	29.1	11.3	32.9	23.6	33.3	42.3	S	48.8
500 to 749 lb	32.4	33.0	30.1	9.9	32.5	33.1	31.4	—	—	—
750 to 999 lb	25.4	25.1	19.7	9.3	25.6	25.3	19.5	S	S	S
1,000 to 9,999 lb	10.7	12.4	9.8	11.2	11.4	13.1	12.1	23.7	24.2	24.6
10,000 to 49,999 lb	15.4	14.2	19.6	12.6	15.1	14.1	13.1	31.1	26.9	29.3
50,000 to 99,999 lb	13.1	12.9	19.8	10.4	12.5	11.9	12.7	27.5	26.7	26.8
100,000 lb or more	22.0	22.0	21.4	25.9	27.8	27.6	37.0	37.9	36.7	36.8
SCTG 19, Coal and petroleum products, n.e.c.	14.0	16.0	18.0	22.6	18.7	19.3	27.9	15.1	16.7	16.0
Less than 50 lb	25.9	14.6	41.3	24.7	21.4	18.5	19.5	47.4	36.0	36.7
50 to 99 lb	22.3	18.9	45.8	24.8	14.2	19.5	23.9	32.9	49.8	S
100 to 499 lb	32.7	25.0	27.1	29.6	39.7	27.6	34.3	38.0	44.8	44.2
500 to 749 lb	18.7	22.0	15.3	41.8	22.1	24.8	26.0	S	S	S
750 to 999 lb	23.8	25.6	36.3	27.7	24.1	28.3	30.1	S	S	S
1,000 to 9,999 lb	31.3	24.8	32.4	18.5	25.1	24.6	27.3	28.6	26.0	27.0
10,000 to 49,999 lb	12.7	17.5	24.8	27.9	18.9	21.1	29.8	19.2	23.1	22.6
50,000 to 99,999 lb	20.6	25.4	27.1	43.8	26.0	29.9	S	31.5	36.2	38.5
100,000 lb or more	23.8	23.1	21.8	18.6	40.7	30.0	29.7	41.5	46.7	44.0
SCTG 20, Basic chemicals ..	5.7	16.9	15.5	23.6	9.7	21.9	30.4	8.3	20.0	21.5
Less than 50 lb	16.7	29.2	20.0	20.4	30.2	39.7	31.3	35.5	33.1	32.7
50 to 99 lb	19.6	33.8	23.7	S	31.1	38.7	38.8	32.1	31.2	31.6
100 to 499 lb	16.5	44.2	23.1	S	24.4	48.2	S	32.7	20.3	20.4
500 to 749 lb	18.5	28.9	33.5	31.0	21.4	37.6	43.1	34.5	25.3	23.3
750 to 999 lb	44.4	25.1	17.7	S	22.8	29.2	32.0	27.9	26.2	25.0
1,000 to 9,999 lb	11.0	18.2	11.7	23.2	13.7	22.5	20.9	15.0	18.2	18.3
10,000 to 49,999 lb	8.5	23.5	12.2	14.3	14.7	34.0	41.6	12.4	23.8	25.1
50,000 to 99,999 lb	22.1	30.0	20.4	30.7	46.9	44.7	43.7	40.7	36.1	37.2
100,000 lb or more	21.6	27.7	24.1	14.6	S	S	31.0	S	S	S
SCTG 21, Pharmaceutical products	16.0	12.9	14.9	9.6	12.9	16.7	15.6	13.1	19.5	20.3
Less than 50 lb	15.8	17.4	23.5	9.8	17.7	23.3	24.0	16.0	21.5	19.7
50 to 99 lb	15.6	22.0	19.1	16.5	28.5	27.7	24.9	42.0	40.6	42.2
100 to 499 lb	22.7	16.9	18.9	8.8	18.2	14.3	16.1	26.2	25.4	25.2
500 to 749 lb	40.3	20.4	24.9	10.4	22.5	23.7	29.0	S	29.4	27.2
750 to 999 lb	33.1	15.2	21.2	21.0	28.1	21.8	25.6	S	40.6	40.8
1,000 to 9,999 lb	27.8	15.6	17.7	10.3	20.7	23.9	27.7	27.4	30.9	33.2
10,000 to 49,999 lb	24.8	21.2	22.9	22.8	30.5	32.0	38.0	S	42.3	41.3
50,000 to 99,999 lb	S	S	S	22.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	39.5	44.1	S	21.9	23.5	28.1	41.4	S	S	S
Less than 50 lb	S	S	S	18.8	S	41.2	S	S	S	S
50 to 99 lb	S	36.3	S	23.3	S	48.8	28.8	S	42.1	45.9
100 to 499 lb	26.2	25.5	20.0	S	23.1	31.3	33.1	S	S	S
500 to 749 lb	28.0	44.0	40.9	S	37.0	S	S	39.9	31.3	32.9
750 to 999 lb	32.2	44.5	30.6	S	43.4	48.6	42.8	S	S	S
1,000 to 9,999 lb	21.4	23.7	16.0	46.0	23.9	24.6	23.9	26.1	32.0	27.3
10,000 to 49,999 lb	40.5	42.6	S	15.0	25.1	26.5	37.1	S	S	S
50,000 to 99,999 lb	S	S	S	18.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	15.6	43.4	46.8	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	6.7	9.3	7.6	8.7	11.8	17.2	17.1	11.5	13.3	14.0
Less than 50 lb	11.5	13.1	15.0	11.1	12.4	15.5	12.5	24.0	24.8	23.3
50 to 99 lb	17.2	15.5	12.9	14.1	25.1	21.0	21.5	45.2	43.1	41.0
100 to 499 lb	12.3	12.0	14.0	10.8	14.8	15.6	11.9	26.9	21.6	23.2
500 to 749 lb	39.5	13.3	10.7	11.5	S	16.7	15.6	28.3	23.3	23.6
750 to 999 lb	31.5	24.4	12.3	10.7	S	38.3	37.5	21.7	26.9	27.4
1,000 to 9,999 lb	9.9	10.4	8.0	5.8	9.8	14.0	11.6	11.1	11.5	10.9
10,000 to 49,999 lb	7.2	10.6	8.3	5.2	11.2	22.7	24.1	14.5	17.2	18.1
50,000 to 99,999 lb	20.9	24.9	22.6	13.8	42.0	30.7	30.7	46.5	49.9	48.4
100,000 lb or more	18.7	17.6	19.6	13.8	39.7	46.5	S	S	S	S
SCTG 24, Plastics and rubber	4.7	5.0	5.1	6.5	6.9	6.9	10.7	5.6	8.7	7.9
Less than 50 lb	9.2	18.4	29.4	7.3	7.2	10.2	9.5	17.7	13.1	12.9
50 to 99 lb	6.2	8.3	10.3	6.1	8.3	11.6	9.7	11.9	12.0	11.9
100 to 499 lb	6.7	6.8	6.5	6.5	12.0	12.4	11.4	14.4	12.8	11.9
500 to 749 lb	8.8	6.6	9.6	6.6	12.8	8.3	6.4	11.8	11.2	12.7
750 to 999 lb	7.4	6.5	10.3	4.8	12.5	9.5	7.7	13.1	15.2	15.8
1,000 to 9,999 lb	4.9	6.6	6.4	3.9	7.8	8.8	12.6	9.8	12.4	11.3
10,000 to 49,999 lb	7.5	6.0	7.0	5.0	11.7	8.7	12.0	12.2	11.7	11.4
50,000 to 99,999 lb	27.9	26.2	42.1	19.2	S	48.0	45.7	44.8	34.8	34.1
100,000 lb or more	22.0	20.6	21.4	8.8	31.4	31.6	41.3	32.8	33.1	31.2
SCTG 25, Logs and other wood in the rough	15.7	21.2	25.7	15.8	34.6	22.4	23.3	27.2	39.9	38.2
Less than 50 lb	S	S	S	20.9	S	S	S	S	S	S
50 to 99 lb	S	S	S	22.5	S	S	S	S	S	S
100 to 499 lb	S	S	S	45.2	S	S	S	S	S	S
500 to 749 lb	S	S	S	23.8	S	S	S	S	S	S
750 to 999 lb	S	S	S	34.8	S	S	S	S	S	S
1,000 to 9,999 lb	41.8	28.1	41.4	S	S	25.6	30.5	S	42.5	44.0
10,000 to 49,999 lb	28.5	36.9	40.6	26.0	30.1	37.0	45.6	S	S	S
50,000 to 99,999 lb	21.4	33.4	31.1	34.6	25.1	34.8	25.2	35.9	S	45.8
100,000 lb or more	26.5	38.3	43.0	S	42.4	49.8	45.5	45.5	S	S
SCTG 26, Wood products	6.6	17.6	9.6	11.0	8.6	28.4	32.8	10.0	22.0	19.1
Less than 50 lb	17.6	10.2	15.5	17.7	15.0	14.0	13.9	28.1	23.2	23.0
50 to 99 lb	12.9	12.2	16.5	12.7	15.3	15.7	13.9	35.6	33.4	32.8
100 to 499 lb	13.7	11.2	11.0	10.2	15.5	13.4	16.6	22.6	21.1	21.9
500 to 749 lb	12.5	11.3	13.8	14.0	14.8	15.8	12.8	18.6	14.6	14.8
750 to 999 lb	11.4	8.9	19.5	20.3	15.0	12.5	14.7	25.9	14.8	14.1
1,000 to 9,999 lb	7.3	44.4	16.2	14.5	8.4	S	S	12.4	16.7	16.0
10,000 to 49,999 lb	9.1	16.0	11.9	8.0	14.2	19.5	19.4	15.3	33.6	28.3
50,000 to 99,999 lb	12.0	17.8	15.3	15.6	23.4	19.4	25.0	21.7	29.9	30.7
100,000 lb or more	18.8	29.6	17.5	29.5	42.0	42.1	S	30.3	41.7	43.5
SCTG 27, Pulp, newsprint, paper, and paperboard	10.1	31.9	14.9	14.4	10.7	14.3	18.8	9.9	S	S
Less than 50 lb	15.7	15.2	25.4	23.4	20.7	17.9	17.0	24.6	20.0	23.5
50 to 99 lb	16.0	15.4	36.2	16.2	16.6	16.9	14.4	25.6	22.6	21.0
100 to 499 lb	11.8	12.1	31.3	16.0	12.4	11.8	13.4	17.5	14.9	16.2
500 to 749 lb	14.9	15.0	29.5	23.0	14.8	15.3	17.0	27.5	21.0	22.9
750 to 999 lb	16.6	14.7	29.8	17.9	18.9	14.4	18.2	S	24.5	24.9
1,000 to 9,999 lb	17.9	12.8	17.9	8.9	13.1	14.1	15.8	14.1	14.5	17.4
10,000 to 49,999 lb	10.9	12.7	15.6	5.3	14.8	22.1	27.0	10.7	10.4	11.2
50,000 to 99,999 lb	17.9	21.0	23.9	12.1	33.0	26.6	32.1	S	S	S
100,000 lb or more	14.2	S	30.4	S	32.6	34.3	38.7	44.4	S	S
SCTG 28, Paper or paperboard articles	6.2	7.1	8.8	8.9	8.4	12.5	12.3	6.1	8.0	8.3
Less than 50 lb	16.3	15.3	24.9	10.8	18.9	20.3	21.2	20.8	23.4	20.8
50 to 99 lb	13.5	12.6	18.5	13.1	21.4	18.7	17.1	48.9	24.6	24.9
100 to 499 lb	6.6	7.5	9.2	9.6	10.6	10.8	12.5	17.7	16.8	16.1
500 to 749 lb	13.4	8.5	21.7	14.0	11.5	9.8	13.7	20.1	18.7	20.0
750 to 999 lb	10.2	10.6	11.3	9.4	14.6	14.6	15.3	18.2	15.3	14.7
1,000 to 9,999 lb	8.8	9.1	9.7	7.5	12.7	11.6	13.5	10.0	11.0	10.8
10,000 to 49,999 lb	8.9	8.8	10.9	9.2	14.3	19.5	16.6	9.0	8.8	9.1
50,000 to 99,999 lb	28.4	39.4	44.8	36.9	38.5	43.4	50.0	S	S	S
100,000 lb or more	31.7	48.4	S	21.9	35.1	37.5	48.5	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	8.9	10.6	21.9	12.3	5.6	13.1	12.4	11.7	15.5	16.2
Less than 50 lb	11.4	9.7	17.4	13.0	9.8	12.3	14.8	18.0	18.6	17.6
50 to 99 lb	20.9	15.2	30.6	17.2	11.0	17.0	20.3	30.0	22.7	20.8
100 to 499 lb	22.6	12.3	29.2	18.3	8.2	13.7	14.3	17.2	25.3	25.0
500 to 749 lb	14.1	23.3	29.0	16.8	25.3	33.6	S	19.9	26.8	23.5
750 to 999 lb	20.1	19.6	37.7	16.7	22.1	28.7	26.4	19.0	40.2	33.6
1,000 to 9,999 lb	11.0	18.1	42.3	10.7	12.0	18.8	19.1	15.5	15.3	13.9
10,000 to 49,999 lb	8.3	9.2	10.2	8.6	10.8	17.1	13.9	24.7	25.8	26.3
50,000 to 99,999 lb	29.0	22.2	33.3	29.6	S	39.6	43.1	S	44.2	46.3
100,000 lb or more	16.4	S	S	20.0	26.3	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	12.6	16.4	29.0	4.7	11.8	11.0	13.4	18.3	13.8	13.8
Less than 50 lb	14.9	13.6	19.3	4.4	12.8	12.3	12.1	16.3	11.2	10.9
50 to 99 lb	36.8	22.9	29.3	9.1	16.2	15.0	17.8	21.7	17.9	19.6
100 to 499 lb	13.4	9.8	10.3	6.7	17.3	18.8	16.5	22.4	19.0	20.5
500 to 749 lb	11.8	13.4	9.5	13.6	31.6	25.1	30.2	45.7	33.0	44.1
750 to 999 lb	11.9	12.8	14.9	15.4	31.0	26.5	26.0	27.2	31.4	31.4
1,000 to 9,999 lb	16.3	11.0	16.8	8.8	19.6	16.6	20.9	30.8	21.0	20.0
10,000 to 49,999 lb	34.8	41.9	S	11.8	37.3	23.3	30.3	42.3	31.7	28.1
50,000 to 99,999 lb	S	38.5	48.5	21.7	S	S	S	—	—	—
100,000 lb or more	S	S	S	29.2	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	3.0	44.6	15.8	15.3	7.2	S	S	7.1	9.7	9.6
Less than 50 lb	25.7	20.6	25.3	12.0	49.9	30.6	29.4	49.6	34.3	32.2
50 to 99 lb	18.9	17.5	28.8	10.6	29.9	20.1	20.1	22.6	21.1	21.2
100 to 499 lb	20.1	21.1	21.1	14.0	33.8	30.6	43.5	43.7	35.7	36.1
500 to 749 lb	18.6	30.1	21.7	31.1	25.6	41.6	S	32.3	28.7	29.6
750 to 999 lb	14.2	13.7	15.5	16.9	19.7	17.2	25.9	32.7	27.8	30.3
1,000 to 9,999 lb	12.2	29.5	10.8	18.1	14.8	34.0	24.8	12.1	16.9	16.0
10,000 to 49,999 lb	4.7	12.2	4.3	20.7	10.6	16.1	17.7	9.9	18.5	17.4
50,000 to 99,999 lb	7.4	32.4	13.6	14.9	10.1	S	41.0	11.5	11.2	11.7
100,000 lb or more	36.3	S	39.1	S	S	S	S	27.5	24.0	23.7
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	4.6	9.7	6.6	4.9	5.5	19.0	6.1	7.1	15.1	12.4
Less than 50 lb	14.8	11.8	14.0	9.9	21.1	13.1	17.6	20.6	22.2	21.7
50 to 99 lb	11.6	9.3	12.2	12.4	14.3	12.1	13.3	22.7	22.1	21.2
100 to 499 lb	8.7	9.2	10.2	9.6	10.6	13.0	13.3	12.0	10.8	11.3
500 to 749 lb	9.0	8.8	8.6	7.1	12.8	12.9	14.4	15.6	17.7	17.5
750 to 999 lb	15.4	8.2	11.7	10.9	14.3	13.0	11.6	23.2	19.7	18.6
1,000 to 9,999 lb	3.4	6.0	4.9	5.0	6.6	10.1	7.3	10.2	8.1	8.2
10,000 to 49,999 lb	7.0	9.9	8.4	4.7	10.3	18.8	8.2	8.1	9.4	9.3
50,000 to 99,999 lb	8.8	17.6	6.9	10.1	11.4	29.2	16.2	26.4	26.5	22.4
100,000 lb or more	13.3	14.2	15.1	9.5	19.5	19.6	22.3	17.9	45.5	35.3
SCTG 33, Articles of base metal	6.7	7.3	11.5	9.2	6.5	10.3	11.1	11.0	12.1	11.9
Less than 50 lb	12.1	16.3	42.5	10.5	9.8	9.1	9.0	12.7	12.2	11.8
50 to 99 lb	33.2	22.6	34.6	7.0	13.6	10.0	10.0	13.1	14.8	15.6
100 to 499 lb	17.1	10.2	21.7	8.7	10.2	7.8	8.1	15.7	16.5	16.3
500 to 749 lb	16.8	12.8	13.0	7.7	22.4	16.2	19.9	16.8	10.9	9.9
750 to 999 lb	13.4	10.4	11.4	7.7	22.8	15.2	18.6	22.6	19.3	18.2
1,000 to 9,999 lb	9.0	14.7	24.4	6.9	11.8	14.0	17.9	15.0	9.9	9.9
10,000 to 49,999 lb	6.4	6.7	8.6	5.2	10.5	15.7	13.6	21.4	16.4	16.2
50,000 to 99,999 lb	17.0	18.9	28.3	24.7	26.8	23.6	24.7	S	S	49.9
100,000 lb or more	24.2	30.3	35.5	13.1	38.4	48.3	46.2	S	S	S
SCTG 34, Machinery	4.1	6.5	13.0	5.9	6.6	5.6	7.0	6.8	18.3	18.8
Less than 50 lb	9.0	11.8	15.5	6.7	15.3	13.7	12.5	10.8	17.8	17.4
50 to 99 lb	6.8	8.8	9.5	8.0	14.8	16.9	17.8	16.0	11.3	9.4
100 to 499 lb	4.4	6.3	6.7	6.0	9.6	11.3	10.7	12.1	27.2	25.7
500 to 749 lb	21.7	33.3	S	13.0	26.0	18.2	19.8	26.9	14.1	14.0
750 to 999 lb	10.4	11.8	14.5	10.7	17.2	21.6	25.0	20.1	18.1	18.1
1,000 to 9,999 lb	4.0	5.6	8.1	5.1	9.9	12.2	14.6	10.9	8.6	8.9
10,000 to 49,999 lb	6.6	6.9	12.9	5.4	10.6	6.5	9.1	10.8	11.0	12.8
50,000 to 99,999 lb	18.3	31.9	27.8	18.8	32.7	43.3	49.9	S	S	S
100,000 lb or more	20.2	26.6	40.4	13.5	43.0	43.3	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	5.2	5.2	6.3	4.4	9.3	9.4	10.3	9.1	10.8	10.8
Less than 50 lb	6.7	6.6	9.2	4.6	8.7	8.6	9.0	14.5	14.1	14.0
50 to 99 lb	12.8	8.4	16.7	8.6	27.2	11.7	14.8	18.9	16.8	16.7
100 to 499 lb	7.5	6.6	13.1	9.1	12.0	11.8	15.5	13.4	11.3	12.2
500 to 749 lb	7.4	11.5	14.1	8.5	21.4	21.6	22.3	18.4	32.6	33.5
750 to 999 lb	15.6	9.0	12.1	9.2	25.7	15.3	22.9	33.5	S	42.4
1,000 to 9,999 lb	9.8	5.6	7.2	6.6	14.4	10.8	12.9	17.4	11.5	11.4
10,000 to 49,999 lb	8.8	8.0	9.8	6.8	19.5	20.6	18.6	18.9	12.7	13.1
50,000 to 99,999 lb	27.4	29.7	35.2	17.5	47.5	45.7	S	—	—	—
100,000 lb or more	28.6	46.6	44.1	21.9	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	5.9	8.0	7.0	10.6	10.2	13.0	10.0	9.0	8.6	7.2
Less than 50 lb	8.9	10.6	16.4	13.3	10.3	14.8	10.8	12.4	12.4	12.0
50 to 99 lb	13.7	11.0	15.9	10.6	15.8	11.2	13.5	20.8	15.5	15.3
100 to 499 lb	16.3	8.9	13.3	7.2	22.5	12.5	11.2	22.1	13.4	13.1
500 to 749 lb	16.0	17.7	26.4	6.6	14.7	15.1	16.3	30.7	12.8	13.7
750 to 999 lb	17.6	16.1	14.6	7.5	11.6	14.0	13.0	39.5	21.2	23.8
1,000 to 9,999 lb	12.7	8.1	9.1	6.1	19.6	15.8	10.7	12.5	10.9	10.8
10,000 to 49,999 lb	8.4	6.9	7.4	5.8	11.6	14.8	10.7	13.3	10.1	8.6
50,000 to 99,999 lb	23.0	11.7	14.7	10.5	36.9	39.1	35.0	25.3	21.0	21.2
100,000 lb or more	31.4	39.6	43.2	13.7	S	48.9	S	S	48.8	S
SCTG 37, Transportation equipment, n.e.c.	11.7	19.4	26.0	4.9	20.4	31.9	40.7	38.4	34.0	35.6
Less than 50 lb	22.7	24.3	25.8	5.3	29.7	27.7	30.7	23.7	25.9	26.8
50 to 99 lb	31.6	23.4	21.8	15.1	46.4	43.4	S	S	S	S
100 to 499 lb	26.1	20.6	23.7	7.5	46.7	45.7	40.1	S	44.2	45.6
500 to 749 lb	28.6	24.3	24.2	23.7	S	S	S	S	S	S
750 to 999 lb	41.6	32.9	37.3	29.7	S	45.6	43.4	S	S	S
1,000 to 9,999 lb	14.3	12.8	13.4	7.0	32.7	32.9	36.2	43.0	35.7	30.3
10,000 to 49,999 lb	18.9	20.2	20.9	9.0	47.3	36.8	32.5	42.7	S	S
50,000 to 99,999 lb	S	S	S	33.4	S	S	S	—	—	—
100,000 lb or more	41.2	46.1	S	17.2	46.4	46.5	46.9	S	S	S
SCTG 38, Precision instruments and apparatus	5.5	11.6	12.5	5.4	10.2	24.7	39.9	15.9	31.4	27.9
Less than 50 lb	10.0	10.4	11.2	5.6	12.9	12.9	16.2	14.9	14.3	16.0
50 to 99 lb	11.8	13.9	23.0	7.0	18.1	15.5	25.7	19.0	22.7	22.5
100 to 499 lb	17.1	13.5	15.4	6.5	24.2	14.1	18.0	31.1	28.8	27.4
500 to 749 lb	19.8	21.8	24.8	11.5	27.7	20.1	28.9	S	48.2	48.9
750 to 999 lb	20.5	20.1	25.6	21.9	23.4	42.8	29.0	45.7	S	49.1
1,000 to 9,999 lb	12.6	25.5	16.3	14.2	32.1	S	S	32.8	S	47.2
10,000 to 49,999 lb	38.6	29.8	31.7	16.3	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	21.8	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7.7	13.1	18.9	7.1	8.2	11.7	17.7	12.8	17.6	19.1
Less than 50 lb	13.4	11.7	17.9	10.1	17.9	15.4	12.2	19.1	17.1	18.2
50 to 99 lb	9.6	13.4	17.4	8.1	19.7	19.1	14.2	30.1	17.8	17.2
100 to 499 lb	8.2	10.4	18.1	10.5	13.3	13.3	13.9	18.7	16.8	16.4
500 to 749 lb	9.3	9.7	17.1	9.0	15.5	18.1	16.9	18.3	21.6	21.4
750 to 999 lb	11.8	10.2	13.4	9.1	22.7	21.5	16.3	23.4	25.2	27.8
1,000 to 9,999 lb	6.6	8.7	13.6	5.9	11.8	10.8	13.8	16.3	16.0	17.1
10,000 to 49,999 lb	16.0	23.8	33.3	14.5	16.8	18.0	23.4	26.8	28.0	28.8
50,000 to 99,999 lb	46.3	S	S	21.5	S	S	S	S	S	S
100,000 lb or more	42.5	39.6	49.7	32.3	S	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products ...	4.9	5.8	12.4	4.7	10.0	15.6	13.6	14.1	19.7	22.1
Less than 50 lb	7.8	8.9	9.5	4.8	16.6	16.5	14.3	10.2	7.6	7.4
50 to 99 lb	7.4	7.7	8.1	4.1	9.6	11.1	10.7	16.1	11.8	12.1
100 to 499 lb	5.2	14.3	11.9	6.1	11.9	12.8	10.2	9.2	13.9	13.0
500 to 749 lb	10.0	10.7	13.8	5.9	15.8	18.1	15.0	17.7	19.1	20.8
750 to 999 lb	12.6	11.6	11.9	6.1	22.3	18.3	22.3	30.2	26.9	26.5
1,000 to 9,999 lb	11.2	9.3	10.9	5.3	11.4	12.7	12.0	13.3	13.8	14.7
10,000 to 49,999 lb	11.8	9.2	9.6	7.0	31.7	24.0	15.6	28.1	29.2	32.2
50,000 to 99,999 lb	21.9	17.9	S	18.2	29.3	27.4	29.6	27.5	31.4	30.8
100,000 lb or more	32.6	S	S	19.0	47.0	S	S	S	S	S
SCTG 41, Waste and scrap .	11.1	11.4	6.4	11.9	15.0	17.5	22.6	17.4	18.7	17.9
Less than 50 lb	S	S	S	20.3	S	S	S	S	S	S
50 to 99 lb	S	S	S	45.5	S	S	S	—	—	—
100 to 499 lb	S	28.9	S	33.5	S	34.2	46.5	S	S	S
500 to 749 lb	S	S	S	24.1	S	S	S	S	S	S
750 to 999 lb	S	43.0	S	30.6	S	S	S	S	S	S
1,000 to 9,999 lb	22.2	29.4	32.8	29.0	24.8	30.4	42.8	49.1	S	S
10,000 to 49,999 lb	14.2	16.4	13.3	11.3	22.2	27.3	35.4	19.8	23.7	23.2
50,000 to 99,999 lb	9.9	11.6	12.1	10.5	12.7	14.5	14.7	23.1	20.8	22.8
100,000 lb or more	13.2	13.5	9.1	12.1	20.4	24.4	31.6	21.0	22.0	22.8
SCTG 43, Mixed freight	9.5	11.7	11.0	16.9	9.9	11.2	12.0	18.8	24.5	23.0
Less than 50 lb	35.0	34.2	S	17.4	18.7	23.0	30.3	27.6	36.9	40.9
50 to 99 lb	14.4	17.9	35.3	30.0	19.2	18.8	24.0	36.1	36.6	36.8
100 to 499 lb	14.6	20.8	17.6	26.6	20.7	21.8	23.3	20.1	25.4	25.8
500 to 749 lb	15.1	19.8	18.3	37.0	17.8	22.4	23.4	24.6	24.9	25.3
750 to 999 lb	16.5	18.3	18.3	S	26.1	25.5	25.7	22.4	24.8	26.2
1,000 to 9,999 lb	11.0	12.3	11.6	17.5	14.0	16.4	16.7	13.3	14.7	15.1
10,000 to 49,999 lb	14.1	15.7	13.6	16.9	14.7	14.0	15.0	27.0	32.7	30.9
50,000 to 99,999 lb	S	46.6	S	23.5	S	S	45.6	—	—	—
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	13.4	24.5	24.1	13.5	17.2	28.3	23.9	18.6	41.8	40.3
Less than 50 lb	20.7	30.3	40.6	13.8	39.9	49.7	25.2	S	46.6	45.3
50 to 99 lb	34.2	22.9	50.0	19.0	25.4	24.7	27.7	S	39.9	43.2
100 to 499 lb	21.1	18.9	30.3	22.0	26.1	25.1	24.2	29.1	25.2	25.6
500 to 749 lb	44.0	19.6	21.0	20.8	S	27.2	32.2	36.5	41.2	41.5
750 to 999 lb	35.6	36.4	26.2	37.0	S	S	S	S	S	S
1,000 to 9,999 lb	17.5	33.1	31.1	26.9	39.0	S	42.2	37.1	37.0	39.3
10,000 to 49,999 lb	26.2	24.9	22.4	32.4	29.6	36.0	31.6	36.3	36.3	35.1
50,000 to 99,999 lb	45.3	31.9	27.5	23.2	49.1	34.3	34.0	S	S	S
100,000 lb or more	S	49.7	S	43.7	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	2.6	3.5	4.0	3.3	4.2	4.3	2.0	7.5	8.4	3.6	6.1	6.1
Less than 50 lb	4.3	4.9	4.9	5.6	8.7	9.3	6.6	5.8	6.0	7.1	13.6	12.9
50 to 99 lb	5.2	6.3	5.5	15.1	10.4	10.3	14.8	13.1	12.7	10.6	6.8	6.6
100 to 499 lb	6.9	3.1	3.3	6.7	10.4	9.5	8.2	5.2	5.0	5.3	6.2	6.5
500 to 749 lb	6.8	5.3	5.5	6.8	7.9	9.7	7.3	9.0	8.9	28.2	9.8	10.1
750 to 999 lb	8.0	5.6	5.4	9.3	5.8	5.5	11.2	5.0	5.1	13.1	9.2	9.4
1,000 to 9,999 lb	4.7	3.9	4.0	4.8	4.2	4.5	5.2	4.3	4.4	5.0	6.9	6.8
10,000 to 49,999 lb	2.7	2.8	2.8	5.8	4.1	4.4	3.2	3.5	3.6	5.2	10.6	9.9
50,000 to 99,999 lb	10.6	9.3	9.8	25.5	9.4	9.7	21.5	9.4	9.2	25.0	23.5	23.0
100,000 lb or more	20.9	8.0	8.0	10.1	8.5	7.8	7.6	11.6	12.1	9.7	8.3	8.3
SCTG 01, Live animals and live fish	46.3	43.9	S	48.9	48.3	48.5	24.8	27.9	28.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	46.1	46.6	45.0	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	29.2	32.9	31.6	S	S	S	S	S	S
10,000 to 49,999 lb	45.2	42.3	S	S	S	S	35.5	37.8	36.7	—	—	—
50,000 to 99,999 lb	33.3	32.7	37.9	48.2	41.7	42.0	41.1	41.1	41.5	—	—	—
100,000 lb or more	48.9	S	S	S	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	32.5	31.3	29.6	16.1	18.6	20.9	13.1	22.8	22.9	16.3	15.9	15.7
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	43.2	46.7	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	42.7	45.6	43.9	37.3	S	S	S	42.7	41.8	S	S	S
10,000 to 49,999 lb	S	34.8	31.3	35.0	21.5	21.3	S	37.3	37.3	S	35.0	35.9
50,000 to 99,999 lb	49.5	S	S	39.4	42.2	41.1	S	36.2	36.2	S	S	S
100,000 lb or more	43.6	46.9	43.2	18.1	19.1	21.2	12.9	23.3	23.3	17.0	16.1	15.8
SCTG 03, Other agricultural products	17.4	21.5	21.2	15.2	18.0	22.0	24.0	26.5	27.9	10.8	17.0	17.0
Less than 50 lb	40.9	37.8	36.8	S	S	S	S	S	S	S	S	49.3
50 to 99 lb	S	28.1	26.6	40.9	31.8	32.4	S	S	S	S	S	S
100 to 499 lb	21.8	25.4	28.1	35.1	46.6	43.1	45.2	S	S	44.5	S	48.2
500 to 749 lb	43.8	28.7	29.8	S	S	S	S	49.1	S	S	44.3	44.0
750 to 999 lb	33.8	34.4	33.0	44.7	40.3	41.8	S	S	S	S	S	S
1,000 to 9,999 lb	25.5	25.1	23.9	30.3	29.0	26.7	30.0	44.8	43.9	46.0	S	S
10,000 to 49,999 lb	36.0	38.0	38.7	37.8	S	S	32.6	33.5	32.8	29.5	40.2	39.1
50,000 to 99,999 lb	38.3	41.9	42.6	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	48.6	18.6	17.5	23.7	26.6	26.8	28.1	16.4	18.2	18.0
SCTG 04, Animal feed and products of animal origin, n.e.c.	17.0	13.5	13.4	13.8	11.9	10.7	12.9	16.6	17.3	26.4	22.1	21.4
Less than 50 lb	34.6	40.8	41.0	40.5	41.3	43.1	S	40.1	38.5	S	S	S
50 to 99 lb	47.6	44.3	45.7	S	S	49.8	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	47.0	S	S	S	S	S	S
1,000 to 9,999 lb	40.5	29.4	29.4	38.7	S	S	37.9	37.5	39.8	S	S	S
10,000 to 49,999 lb	21.2	20.4	19.4	19.6	21.3	21.3	19.6	38.8	39.1	27.0	30.1	29.7
50,000 to 99,999 lb	16.4	16.2	18.9	36.7	36.9	39.8	36.9	31.5	32.4	45.0	S	S
100,000 lb or more	32.0	31.4	30.9	14.7	12.4	12.1	21.9	18.5	21.1	33.9	27.0	26.7
SCTG 05, Meat, fish, seafood, and their preparations	8.0	7.7	7.7	11.9	12.2	12.0	11.7	11.0	11.1	21.1	18.0	18.1
Less than 50 lb	S	47.2	44.9	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	35.7	35.3	S	S	S	S	S	S	S	S	S
100 to 499 lb	16.9	17.8	17.3	39.7	38.5	39.0	26.1	23.1	23.9	29.2	22.3	21.7
500 to 749 lb	18.7	19.0	19.5	37.2	39.1	43.4	38.2	34.4	35.0	29.2	24.6	22.5
750 to 999 lb	24.2	25.4	27.1	32.7	36.6	37.8	46.1	37.3	38.5	43.0	49.3	49.6
1,000 to 9,999 lb	12.9	14.0	14.1	11.7	13.0	12.2	18.7	17.9	18.8	13.1	12.5	12.8
10,000 to 49,999 lb	9.9	9.2	10.4	13.8	14.4	14.0	13.1	11.9	11.9	26.0	21.2	21.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	10.5	25.6	25.8	7.7	9.9	9.2	10.4	14.6	15.3	12.4	22.7	23.2
Less than 50 lb	36.3	32.0	30.4	S	S	S	S	49.9	48.1	S	S	S
50 to 99 lb	48.0	S	48.5	S	48.7	48.1	S	S	S	S	S	46.6
100 to 499 lb	27.3	26.0	24.3	32.2	27.0	25.7	27.3	21.5	23.6	31.7	36.3	36.8
500 to 749 lb	32.7	32.6	32.1	32.0	32.2	34.3	40.6	38.0	40.5	49.7	46.1	47.2
750 to 999 lb	34.7	38.4	37.3	32.5	33.4	33.0	47.5	46.5	46.5	S	S	S
1,000 to 9,999 lb	23.7	23.8	23.0	22.8	26.8	24.6	27.5	31.6	31.2	27.2	32.3	32.4
10,000 to 49,999 lb	11.0	15.5	13.8	7.7	10.4	10.5	11.7	9.2	8.9	15.2	15.0	15.5
50,000 to 99,999 lb	S	S	S	S	31.3	30.5	S	S	S	S	S	S
100,000 lb or more	32.9	38.2	41.9	17.2	23.2	21.4	28.7	25.8	25.5	S	42.2	42.7

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	5.5	6.0	6.4	6.4	9.6	11.2	6.7	9.0	10.5	7.7	14.3	15.0
Less than 50 lb	29.3	25.2	24.1	28.0	24.9	25.3	48.9	37.1	38.1	45.2	47.8	49.8
50 to 99 lb	31.6	29.8	27.6	S	29.1	30.6	38.1	40.1	41.4	S	S	S
100 to 499 lb	12.1	18.7	16.9	27.8	32.8	30.9	36.2	19.4	18.7	39.6	S	S
500 to 749 lb	16.6	25.2	22.6	21.9	21.3	22.3	18.3	17.5	16.9	S	S	S
750 to 999 lb	18.2	22.4	23.3	38.5	25.5	24.5	32.4	S	S	49.2	S	S
1,000 to 9,999 lb	10.0	13.7	14.2	13.9	17.0	17.8	11.2	10.7	10.9	16.2	11.4	11.1
10,000 to 49,999 lb	6.1	5.9	6.0	8.3	7.7	7.8	7.4	5.7	5.6	9.5	11.0	10.6
50,000 to 99,999 lb	21.3	17.0	19.9	24.0	25.2	27.2	30.4	40.6	39.5	45.8	45.2	42.9
100,000 lb or more	27.6	20.8	21.6	22.1	22.2	24.0	14.5	22.0	23.2	20.7	28.0	28.7
SCTG 08, Alcoholic beverages	30.0	30.3	29.2	25.8	32.9	32.9	26.7	29.9	32.6	30.2	36.7	36.3
Less than 50 lb	23.9	23.6	23.9	S	S	S	S	S	S	S	S	S
50 to 99 lb	34.8	33.4	34.7	—	—	—	S	S	S	—	—	—
100 to 499 lb	26.9	22.6	23.3	S	S	S	S	S	S	S	S	S
500 to 749 lb	47.9	49.5	44.3	—	—	—	S	S	S	—	—	—
750 to 999 lb	45.3	46.2	44.4	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	26.6	25.1	25.5	37.4	29.2	30.5	S	40.0	39.5	S	S	S
10,000 to 49,999 lb	32.1	30.0	28.6	27.6	27.5	27.7	31.9	34.6	36.8	31.4	37.3	36.9
50,000 to 99,999 lb	44.9	44.5	47.2	41.8	46.5	46.9	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 09, Tobacco products	24.5	34.7	35.9	45.8	46.5	46.1	42.9	40.4	40.4	S	S	S
Less than 50 lb	44.6	32.8	32.1	S	37.0	35.9	36.1	37.1	37.6	47.3	38.8	39.3
50 to 99 lb	45.1	31.8	31.6	41.3	40.9	45.3	S	45.0	45.3	S	S	S
100 to 499 lb	32.7	27.1	27.7	41.6	37.5	38.7	49.3	48.3	48.6	S	45.8	44.9
500 to 749 lb	33.0	36.6	37.7	S	S	S	S	49.2	49.5	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	40.0	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	37.7	25.3	25.0	35.0	26.0	25.8	37.7	29.8	30.2	32.2	40.6	40.8
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	25.3	25.3	25.4	37.1	28.3	27.9	42.9	33.5	33.7	40.7	43.1	43.2
50,000 to 99,999 lb	43.5	44.0	47.8	S	S	S	46.7	41.8	42.7	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	15.8	22.3	22.9	21.6	33.7	32.6	28.7	37.0	35.2	21.7	S	S
Less than 50 lb	—	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	40.7	34.2	35.7	S	31.7	29.7	S	S	S	48.8	48.0	47.5
10,000 to 49,999 lb	21.1	28.0	30.4	26.3	45.9	45.7	25.4	29.5	29.0	35.1	S	S
50,000 to 99,999 lb	23.9	26.1	26.8	43.9	46.9	45.7	S	S	S	41.2	46.5	46.5
100,000 lb or more	22.0	27.2	27.9	45.0	40.7	40.6	35.3	41.8	39.4	28.6	27.8	31.0
SCTG 12, Gravel and crushed stone	26.0	20.0	20.9	23.4	28.9	28.9	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	26.9	29.3	S	42.5	43.9	S	36.3	36.2	S	S	S
50,000 to 99,999 lb	31.4	25.1	25.3	S	S	S	S	S	S	S	S	S
100,000 lb or more	22.1	23.3	23.9	25.9	29.8	29.8	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	19.0	27.0	27.4	21.4	32.5	32.6	30.7	28.0	28.5	34.3	32.7	32.8
Less than 50 lb	S	S	S	49.7	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	47.4	S	39.0	33.2	34.1	S	S	S	S	S	S
500 to 749 lb	40.2	43.2	45.7	S	S	49.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	35.5	S	S	36.8	46.3	46.8	S	40.1	40.2	45.5	S	S
10,000 to 49,999 lb	21.0	41.5	39.4	23.8	29.0	28.9	29.8	24.8	25.2	35.0	34.1	34.2
50,000 to 99,999 lb	28.9	32.3	30.6	36.9	37.4	37.4	S	S	S	S	S	S
100,000 lb or more	43.5	38.2	38.2	35.8	35.1	35.3	48.9	44.1	42.5	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	24.5	S	S	29.9	49.9	S	24.4	36.2	34.7	27.0	30.6	31.4
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	47.5	S	46.7	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	39.9	41.5	S	S	S	S	S	S	S	47.2	46.9
500 to 749 lb	36.4	35.3	33.2	48.1	37.9	37.7	S	44.2	46.9	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	30.5	30.6	43.4	40.4	46.9	45.6	32.5	34.4	43.2	45.6	46.5
10,000 to 49,999 lb	22.1	25.9	27.5	20.5	22.1	22.0	34.5	37.9	36.2	39.5	35.9	36.4
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	42.4	S	S	—	—	—	S	S	S
SCTG 15, Coal	24.3	21.9	18.3	22.0	24.0	20.9	40.8	39.4	43.7	32.0	30.8	30.5
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	48.1	48.9	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	26.9	25.2	20.1	25.8	25.6	21.8	40.8	39.4	43.7	32.0	30.8	30.5
SCTG 17, Gasoline and aviation turbine fuel	24.5	25.7	27.7	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	26.3	29.2	30.5	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	19.4	20.6	22.0	41.6	42.3	38.3	S	S	S	S	S	S
50,000 to 99,999 lb	31.3	29.0	31.1	S	S	S	—	—	—	S	S	S
100,000 lb or more	38.1	37.7	42.0	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	20.3	19.6	20.9	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	34.0	34.7	31.1	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	32.1	31.4	34.7	36.8	36.8	38.3	—	—	—	S	S	S
50,000 to 99,999 lb	27.6	25.2	30.7	S	S	S	S	S	S	—	—	—
100,000 lb or more	28.1	28.3	29.7	S	S	S	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	27.2	37.0	40.3	15.7	16.2	17.0	20.4	38.3	37.1	20.3	22.5	22.8
Less than 50 lb	46.4	38.7	38.4	S	S	S	38.7	S	S	S	S	S
50 to 99 lb	34.7	44.8	46.6	S	S	S	40.6	43.1	43.0	S	S	S
100 to 499 lb	40.3	33.1	34.3	38.4	34.5	35.5	47.4	S	S	S	S	S
500 to 749 lb	35.9	32.6	33.0	S	48.4	46.0	47.8	S	S	32.9	41.7	42.8
750 to 999 lb	47.1	36.3	35.5	S	S	S	31.4	35.9	37.7	S	43.4	42.8
1,000 to 9,999 lb	S	S	S	38.0	41.6	45.8	25.4	30.5	29.1	30.2	30.2	31.4
10,000 to 49,999 lb	16.1	28.4	28.1	20.9	19.6	19.5	28.7	S	S	24.9	28.9	27.9
50,000 to 99,999 lb	34.3	42.5	41.6	45.4	31.4	33.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	22.4	19.7	20.2	28.1	22.2	22.1	29.5	26.1	26.3
SCTG 20, Basic chemicals	9.6	29.9	34.0	9.4	16.3	16.7	14.5	16.5	19.8	16.8	24.7	26.4
Less than 50 lb	23.1	24.3	24.4	20.2	20.3	19.5	33.4	26.4	26.2	37.4	25.5	25.9
50 to 99 lb	36.9	29.2	30.0	38.4	28.5	28.4	28.9	36.4	36.4	41.2	37.9	36.3
100 to 499 lb	29.6	22.8	21.8	28.3	24.2	24.2	29.9	30.2	30.5	44.7	S	S
500 to 749 lb	22.7	20.4	20.6	39.0	31.7	31.1	40.7	39.4	39.9	S	S	S
750 to 999 lb	S	21.6	25.3	S	41.6	41.1	46.6	30.2	30.4	S	46.6	46.9
1,000 to 9,999 lb	13.2	26.6	26.7	27.4	15.6	14.6	23.6	17.4	17.1	32.6	21.8	22.6
10,000 to 49,999 lb	11.9	21.8	21.0	11.8	16.4	16.7	20.7	15.4	15.3	27.0	19.4	18.8
50,000 to 99,999 lb	30.6	35.2	37.4	S	S	S	S	37.1	34.9	46.0	45.3	46.8
100,000 lb or more	32.1	S	S	24.0	25.4	25.7	25.5	32.6	37.2	26.0	33.7	34.5
SCTG 21, Pharmaceutical products	15.4	14.9	14.8	36.6	24.8	23.9	22.6	25.4	26.0	36.3	24.0	23.9
Less than 50 lb	22.2	18.7	18.6	22.2	28.9	27.3	22.2	34.3	33.6	28.6	32.1	32.6
50 to 99 lb	19.4	26.1	21.7	26.4	40.1	41.0	45.6	39.0	37.9	S	33.6	34.9
100 to 499 lb	26.1	21.6	22.6	S	49.9	48.4	33.5	24.5	25.6	25.5	24.5	23.8
500 to 749 lb	48.0	30.3	30.1	30.5	39.7	45.2	S	S	49.9	S	31.0	30.8
750 to 999 lb	40.1	33.7	37.6	S	34.1	36.9	47.3	40.5	38.9	S	49.8	48.5
1,000 to 9,999 lb	23.5	21.6	21.5	S	26.1	25.0	40.6	29.9	30.4	45.8	25.9	25.8
10,000 to 49,999 lb	S	29.8	30.0	32.8	32.6	32.9	35.1	35.5	35.0	40.9	42.2	41.9
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	31.7	32.7	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	39.4	35.5	33.7	46.8	S	S	46.4	47.9	48.5	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	8.8	13.4	14.3	9.6	9.2	8.9	8.9	9.9	9.7	15.2	16.0	16.3
Less than 50 lb	18.6	24.1	19.5	21.7	16.1	16.6	32.2	25.7	25.3	22.4	18.7	19.1
50 to 99 lb	27.4	22.7	19.6	23.7	24.9	25.6	22.4	18.3	18.8	33.3	22.6	22.8
100 to 499 lb	18.2	18.4	17.3	14.4	18.0	18.6	28.6	19.7	19.9	25.1	20.1	19.7
500 to 749 lb	S	26.4	28.9	20.8	11.6	10.8	15.7	16.1	16.1	S	30.8	31.0
750 to 999 lb	16.3	19.2	17.6	16.3	24.9	25.8	25.9	17.2	16.7	S	26.3	26.8
1,000 to 9,999 lb	16.8	21.0	22.1	19.7	11.2	10.4	13.5	11.5	11.1	10.2	15.6	15.5
10,000 to 49,999 lb	10.8	15.2	15.7	10.7	9.8	9.4	10.6	10.8	10.7	18.4	15.5	15.4
50,000 to 99,999 lb	41.9	S	46.0	44.6	33.5	31.5	47.4	49.9	S	S	S	S
100,000 lb or more	32.2	33.4	32.3	31.0	26.8	28.1	33.5	43.2	40.3	44.2	38.8	39.5
SCTG 24, Plastics and rubber	9.4	10.4	9.6	6.3	7.8	7.1	5.7	7.1	7.9	11.2	11.8	12.0
Less than 50 lb	18.0	15.9	19.1	16.6	23.9	24.4	10.5	21.1	21.4	36.1	S	S
50 to 99 lb	15.7	25.1	22.0	12.4	13.8	12.8	16.2	15.5	14.9	20.7	22.7	22.8
100 to 499 lb	9.9	9.6	10.3	10.3	9.0	9.3	9.4	8.0	8.2	21.3	14.9	15.2
500 to 749 lb	11.0	11.6	12.4	13.3	15.9	14.6	19.2	15.4	15.7	43.8	24.3	24.8
750 to 999 lb	9.5	12.2	13.8	14.4	13.7	14.3	32.4	28.1	29.3	27.6	18.8	19.0
1,000 to 9,999 lb	10.5	11.7	10.3	6.5	10.8	10.5	7.1	9.1	9.6	11.1	13.6	13.9
10,000 to 49,999 lb	12.9	11.8	11.3	11.6	11.6	10.6	10.4	9.5	10.6	16.1	11.8	11.5
50,000 to 99,999 lb	39.6	43.8	41.4	49.8	44.3	42.0	S	S	S	S	49.8	S
100,000 lb or more	30.5	23.6	23.1	16.8	26.7	19.8	26.6	29.6	28.6	41.0	40.0	40.3
SCTG 25, Logs and other wood in the rough	25.1	34.8	32.4	27.7	S	S	45.8	42.2	42.1	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	50.0	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	42.4	S	S	S	S	S	38.7	48.5	47.6	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	47.3	S	S	S	S	S	—	—	—
SCTG 26, Wood products	13.2	10.5	10.3	8.2	11.0	11.1	14.5	18.0	17.5	13.2	23.4	22.9
Less than 50 lb	26.5	15.2	15.2	38.2	23.1	24.5	33.9	26.0	25.5	25.3	28.0	27.3
50 to 99 lb	16.6	15.0	15.0	22.6	21.1	20.0	31.8	27.3	27.4	27.4	19.4	19.6
100 to 499 lb	20.3	15.0	17.0	31.5	25.5	24.0	34.6	23.3	22.5	20.2	18.1	17.3
500 to 749 lb	18.7	17.9	19.3	46.9	19.1	19.0	28.5	24.0	25.8	21.3	24.4	24.0
750 to 999 lb	16.7	18.1	14.8	38.6	20.2	22.7	22.4	26.6	28.6	43.2	37.0	37.3
1,000 to 9,999 lb	16.1	12.7	11.7	13.1	13.2	13.4	13.1	18.7	17.0	18.1	18.0	17.8
10,000 to 49,999 lb	16.5	9.0	8.7	9.1	13.0	12.7	22.3	20.6	20.2	15.6	28.3	27.9
50,000 to 99,999 lb	16.4	19.6	19.4	27.3	27.0	27.2	S	S	S	42.8	48.5	47.8
100,000 lb or more	32.5	42.1	39.4	32.8	28.7	31.6	26.5	33.0	30.9	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	12.0	12.8	13.3	13.8	11.8	12.1	14.4	12.6	13.0	17.5	23.8	23.1
Less than 50 lb	23.2	22.9	25.2	32.4	34.9	35.6	28.0	27.9	29.3	29.3	31.0	31.0
50 to 99 lb	28.4	23.9	26.0	31.1	38.0	38.6	48.9	S	S	S	S	S
100 to 499 lb	28.9	21.3	23.4	35.4	35.7	36.4	31.1	34.7	34.5	46.8	49.7	48.4
500 to 749 lb	22.8	18.9	20.1	30.1	33.5	31.4	44.2	42.7	40.6	S	49.9	S
750 to 999 lb	40.9	22.7	23.3	30.8	29.8	31.6	46.5	44.7	46.3	39.0	S	S
1,000 to 9,999 lb	23.8	19.3	21.7	26.9	19.0	19.7	25.2	19.2	19.8	42.5	33.4	34.2
10,000 to 49,999 lb	11.5	14.5	15.5	16.7	14.4	15.0	18.3	15.1	16.6	15.8	30.5	30.4
50,000 to 99,999 lb	37.9	31.2	32.0	24.2	29.4	30.5	29.8	33.2	32.9	32.7	23.1	23.0
100,000 lb or more	22.3	19.4	19.4	28.0	19.0	19.1	16.8	20.8	16.8	30.4	26.9	26.2
SCTG 28, Paper or paperboard articles	7.6	9.0	9.3	10.7	12.0	11.8	11.2	14.0	14.0	9.5	12.2	12.4
Less than 50 lb	24.7	17.5	18.5	19.8	17.8	17.3	26.4	22.0	21.2	27.0	25.8	25.6
50 to 99 lb	27.9	16.7	20.4	24.7	31.2	31.9	22.4	25.9	24.6	37.1	26.4	26.9
100 to 499 lb	15.9	14.3	13.9	15.0	15.6	14.9	20.7	19.0	19.8	40.1	23.0	23.3
500 to 749 lb	18.3	16.5	16.3	20.2	24.2	24.7	S	17.3	17.7	44.3	S	S
750 to 999 lb	21.3	18.1	17.0	21.4	19.8	17.9	29.7	31.2	29.5	29.8	29.2	28.5
1,000 to 9,999 lb	11.1	13.2	14.1	10.4	13.1	13.0	20.1	22.5	22.5	14.7	18.2	18.7
10,000 to 49,999 lb	10.0	9.6	9.6	15.4	15.6	15.4	18.0	17.0	17.3	13.2	15.5	16.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	6.4	8.8	8.5	9.3	12.0	13.9	11.5	16.3	16.4	16.7	23.1	24.8
Less than 50 lb	18.8	12.8	10.8	20.0	23.2	25.0	17.1	25.1	25.0	21.6	28.4	28.1
50 to 99 lb	15.3	19.1	20.0	25.8	24.8	22.8	35.3	44.0	44.5	S	34.6	32.3
100 to 499 lb	20.7	16.5	16.1	32.6	21.9	20.2	39.4	34.0	33.2	S	49.8	S
500 to 749 lb	18.6	16.8	13.9	20.9	S	S	29.9	19.2	19.9	28.8	21.3	20.8
750 to 999 lb	17.3	17.9	19.0	30.7	17.9	17.3	28.7	21.9	21.7	46.9	S	S
1,000 to 9,999 lb	10.0	12.7	13.3	15.7	30.1	33.8	29.9	40.4	40.7	18.7	41.9	44.6
10,000 to 49,999 lb	12.9	12.4	13.0	10.8	8.0	7.8	14.0	15.0	15.6	16.3	16.0	16.1
50,000 to 99,999 lb	S	S	S	44.1	38.6	38.9	S	S	S	S	S	S
100,000 lb or more	S	S	S	44.2	S	S	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	18.3	30.9	34.3	16.7	14.0	15.4	18.1	15.1	15.4	15.0	12.7	13.0
Less than 50 lb	20.1	12.3	13.0	23.3	16.7	16.7	20.0	20.1	20.8	20.8	23.4	22.7
50 to 99 lb	18.2	18.1	17.8	S	45.4	39.2	S	S	S	19.4	12.3	12.6
100 to 499 lb	24.0	16.5	17.8	13.2	19.7	19.0	23.5	20.8	20.7	44.8	36.2	34.2
500 to 749 lb	22.4	14.7	14.2	15.7	23.9	23.1	16.9	24.0	24.8	35.3	30.9	32.2
750 to 999 lb	20.4	20.4	18.7	23.8	32.3	31.7	25.9	24.9	25.2	24.4	29.5	28.6
1,000 to 9,999 lb	23.8	18.2	21.4	24.6	27.0	30.6	23.5	20.9	21.5	22.9	24.7	25.7
10,000 to 49,999 lb	39.0	S	S	41.4	29.5	29.2	43.9	32.2	32.7	38.5	22.7	23.8
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 31, Nonmetallic mineral products	8.7	11.4	12.9	9.7	19.1	19.1	8.7	17.1	19.3	10.9	20.1	20.8
Less than 50 lb	33.8	31.5	31.4	23.2	36.2	36.9	17.7	21.7	21.5	23.9	30.7	30.9
50 to 99 lb	26.3	21.5	21.2	34.1	46.5	44.2	25.2	29.8	29.8	40.5	37.7	36.8
100 to 499 lb	16.2	34.1	31.3	26.3	21.6	22.0	34.0	27.1	27.8	30.9	25.4	26.1
500 to 749 lb	29.7	42.5	37.6	22.0	20.7	26.4	S	S	S	39.8	22.3	21.9
750 to 999 lb	24.3	18.0	19.1	24.4	26.9	26.2	31.7	22.8	22.8	S	S	S
1,000 to 9,999 lb	17.1	13.8	15.1	36.7	23.6	23.5	15.4	22.3	23.9	19.5	11.1	11.0
10,000 to 49,999 lb	10.7	11.6	12.9	10.1	7.0	7.1	10.1	8.9	9.6	17.8	20.2	20.2
50,000 to 99,999 lb	12.0	12.5	11.8	26.9	31.9	31.7	31.5	49.2	45.1	33.8	S	S
100,000 lb or more	29.1	29.3	31.8	36.3	41.5	39.0	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	6.1	6.9	9.0	8.4	11.4	11.9	5.9	10.8	11.3	14.5	24.9	28.1
Less than 50 lb	17.5	18.5	18.9	21.4	13.4	14.3	27.4	19.7	19.4	35.3	26.0	26.3
50 to 99 lb	22.3	14.5	13.5	14.9	13.0	12.7	19.5	15.2	14.6	S	21.8	22.0
100 to 499 lb	12.8	11.3	10.0	18.2	10.7	10.8	13.6	11.4	12.1	21.6	22.8	22.4
500 to 749 lb	15.7	13.0	13.4	11.1	16.0	15.5	17.6	14.3	14.3	38.2	35.6	35.0
750 to 999 lb	40.5	11.9	12.1	18.9	12.6	12.8	15.2	14.6	15.4	18.3	28.2	27.5
1,000 to 9,999 lb	9.2	8.4	8.7	6.4	9.5	8.9	5.1	8.0	8.1	14.9	11.7	11.6
10,000 to 49,999 lb	8.5	8.8	9.6	10.6	13.1	14.0	7.5	9.5	9.3	9.5	17.7	19.4
50,000 to 99,999 lb	12.0	10.2	10.0	16.6	16.3	16.7	29.1	22.9	22.2	43.8	44.1	45.9
100,000 lb or more	20.1	20.7	27.7	25.7	17.2	18.0	19.2	24.0	24.9	37.6	37.6	40.8
SCTG 33, Articles of base metal	5.9	5.0	5.3	9.3	9.8	10.0	15.8	14.2	14.3	10.5	17.6	17.0
Less than 50 lb	10.6	11.5	12.0	25.1	32.2	36.6	12.4	18.3	17.8	13.9	19.2	18.8
50 to 99 lb	31.5	25.9	22.2	S	42.8	43.2	S	S	48.7	19.1	16.0	16.1
100 to 499 lb	11.7	13.3	11.9	10.1	14.1	11.8	47.7	30.1	29.3	22.2	16.4	16.4
500 to 749 lb	16.4	10.0	13.1	23.4	20.3	19.8	17.6	24.4	25.0	S	17.9	17.8
750 to 999 lb	31.1	16.2	13.4	20.8	14.3	14.8	35.6	19.2	18.0	34.5	26.4	26.3
1,000 to 9,999 lb	10.7	9.0	8.8	11.4	19.9	21.3	14.9	23.8	24.4	29.3	S	S
10,000 to 49,999 lb	7.6	6.8	6.7	9.2	10.2	10.7	14.4	17.2	17.5	11.3	15.5	15.8
50,000 to 99,999 lb	S	41.7	39.6	26.5	36.5	35.5	38.3	S	S	S	38.4	38.3
100,000 lb or more	S	S	S	41.5	39.6	41.2	32.1	31.7	31.0	S	S	S
SCTG 34, Machinery	9.9	12.9	11.9	6.5	7.3	7.4	5.7	7.2	6.8	6.2	12.4	15.0
Less than 50 lb	10.7	20.9	19.8	24.5	34.2	38.3	11.3	10.6	10.7	9.1	18.5	18.7
50 to 99 lb	14.4	10.2	9.6	12.6	11.7	11.5	13.3	11.1	11.3	18.3	14.8	14.9
100 to 499 lb	12.5	13.8	14.1	9.8	11.1	11.1	11.2	9.4	9.5	12.7	13.5	13.8
500 to 749 lb	16.3	15.0	14.1	10.6	10.7	10.3	23.6	17.4	18.6	16.5	20.6	20.2
750 to 999 lb	21.2	18.6	19.9	21.7	16.2	15.5	18.5	15.0	15.1	31.2	26.6	23.7
1,000 to 9,999 lb	7.6	8.5	8.4	8.1	8.9	8.5	9.1	11.3	11.0	8.9	14.3	14.9
10,000 to 49,999 lb	12.9	16.4	15.5	12.9	9.8	9.9	9.3	11.6	11.5	11.2	12.2	11.0
50,000 to 99,999 lb	39.6	25.0	24.3	30.1	27.8	29.8	31.2	25.5	25.5	S	S	S
100,000 lb or more	48.4	50.0	48.4	33.4	31.1	31.5	35.2	36.6	36.5	49.2	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	12.2	7.2	7.2	8.1	12.8	12.8	6.7	7.5	7.1	9.4	7.7	7.6
Less than 50 lb	11.8	11.8	10.6	5.6	10.1	10.3	19.2	10.5	10.6	12.1	12.0	11.9
50 to 99 lb	12.2	12.7	13.8	15.0	15.3	13.9	17.0	15.6	15.0	13.1	16.5	16.7
100 to 499 lb	15.8	9.8	11.5	9.6	10.8	10.0	11.1	16.3	16.8	22.3	13.3	13.4
500 to 749 lb	14.9	16.1	16.3	13.4	21.1	23.4	11.8	17.6	17.4	19.2	17.1	16.8
750 to 999 lb	21.2	16.7	16.7	16.5	12.9	14.0	44.6	24.3	24.3	22.0	20.5	21.5
1,000 to 9,999 lb	31.8	13.2	12.5	11.8	6.6	6.1	11.5	9.6	9.5	16.8	13.7	13.3
10,000 to 49,999 lb	16.7	13.1	12.6	19.4	21.1	20.9	16.4	11.4	10.8	35.7	11.9	11.6
50,000 to 99,999 lb	S	S	S	S	S	S	44.2	39.1	37.5	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	9.4	16.7	18.4	10.5	8.0	9.7	8.4	7.7	7.7	14.0	21.9	21.2
Less than 50 lb	11.0	13.4	13.4	13.9	19.1	17.4	20.6	23.6	23.5	22.9	34.8	32.7
50 to 99 lb	21.6	15.4	16.2	17.1	21.6	24.1	28.7	27.9	28.2	36.1	36.4	35.3
100 to 499 lb	29.7	10.0	10.8	36.1	21.7	22.1	42.4	23.5	24.7	38.0	36.0	36.7
500 to 749 lb	22.2	10.8	12.1	30.3	28.0	30.8	22.3	S	S	S	33.1	34.0
750 to 999 lb	30.4	33.8	28.6	33.3	26.4	25.3	21.4	25.8	24.0	30.9	32.7	32.9
1,000 to 9,999 lb	14.6	8.8	8.9	15.0	8.7	9.1	15.9	12.1	12.4	19.9	14.0	14.4
10,000 to 49,999 lb	9.3	7.2	7.4	18.1	10.0	9.1	15.8	11.4	11.2	29.2	21.8	22.1
50,000 to 99,999 lb	30.7	22.4	23.6	38.3	18.1	17.7	29.2	16.1	16.1	31.8	29.8	29.2
100,000 lb or more	S	S	S	43.8	S	S	25.3	21.0	21.2	47.9	S	S
SCTG 37, Transportation equipment, n.e.c.	25.4	36.4	42.0	19.3	23.6	24.1	20.4	46.3	S	13.2	33.3	31.4
Less than 50 lb	22.4	17.1	16.6	38.4	S	S	27.1	21.5	21.2	24.9	38.7	38.4
50 to 99 lb	S	31.7	31.7	S	S	S	41.4	29.0	27.5	48.9	29.9	30.0
100 to 499 lb	S	28.3	25.5	36.2	32.0	33.9	S	44.3	45.2	35.8	29.2	29.2
500 to 749 lb	S	49.4	S	41.8	S	S	S	41.0	37.5	45.8	S	S
750 to 999 lb	S	S	S	S	35.9	36.4	S	S	S	S	S	S
1,000 to 9,999 lb	16.6	18.3	17.8	23.1	17.3	18.6	29.4	20.0	20.0	32.0	22.1	21.4
10,000 to 49,999 lb	18.9	35.6	33.3	37.2	32.1	33.8	22.1	31.5	33.0	27.8	40.4	38.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	49.4	37.5	39.4	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	13.0	12.5	14.2	8.4	19.8	21.3	8.6	15.9	16.9	10.3	28.9	28.7
Less than 50 lb	16.6	13.0	12.6	12.6	13.7	14.0	13.9	14.6	14.3	15.5	13.8	13.8
50 to 99 lb	20.0	16.6	16.8	20.8	15.5	15.5	20.8	14.8	13.6	40.6	27.7	28.0
100 to 499 lb	29.8	24.3	30.8	18.7	21.1	21.7	27.8	17.5	16.6	21.2	22.8	22.4
500 to 749 lb	S	S	S	47.0	32.3	33.0	39.2	45.2	42.9	42.6	35.6	37.1
750 to 999 lb	48.8	S	S	31.3	28.3	27.5	46.6	42.3	43.1	43.2	46.8	44.7
1,000 to 9,999 lb	29.7	28.8	29.9	15.6	19.0	19.6	24.0	34.7	36.1	39.3	27.1	26.5
10,000 to 49,999 lb	47.5	S	48.6	S	S	S	S	42.2	44.6	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12.7	19.0	20.3	9.1	14.8	14.5	13.5	17.5	16.8	14.2	23.5	24.0
Less than 50 lb	25.6	22.9	23.1	17.7	18.2	18.5	29.5	22.1	22.0	22.2	28.5	28.9
50 to 99 lb	18.6	19.9	20.7	16.3	15.9	15.9	25.3	47.6	48.6	23.3	23.3	23.7
100 to 499 lb	10.0	8.9	9.2	14.8	12.8	13.8	12.2	14.6	14.7	19.3	27.5	28.4
500 to 749 lb	27.7	22.9	22.6	18.4	23.9	26.5	19.2	14.6	14.5	23.5	26.0	27.2
750 to 999 lb	25.4	19.2	19.8	21.6	20.8	20.9	38.3	20.4	19.2	18.9	37.8	39.4
1,000 to 9,999 lb	15.0	15.1	13.1	13.1	15.5	18.1	12.1	18.1	17.7	19.6	27.2	28.7
10,000 to 49,999 lb	25.0	33.5	34.8	19.3	29.1	28.3	27.6	29.8	28.6	35.1	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products ...	9.8	7.0	7.2	3.6	6.9	6.8	5.2	8.3	8.6	7.8	9.7	10.1
Less than 50 lb	7.7	9.2	10.5	9.2	13.1	14.1	8.6	15.4	17.0	20.8	17.5	18.6
50 to 99 lb	9.4	11.9	12.8	10.0	12.8	12.6	20.8	12.3	11.6	13.7	9.3	9.0
100 to 499 lb	12.3	10.5	11.7	8.2	48.1	45.4	9.0	10.1	9.7	10.1	11.3	11.1
500 to 749 lb	10.4	8.0	9.4	20.9	10.2	10.3	19.5	15.8	15.3	21.8	29.3	30.3
750 to 999 lb	19.0	26.6	24.6	30.8	13.9	14.5	29.8	22.2	22.8	23.6	25.0	25.7
1,000 to 9,999 lb	29.0	15.0	17.5	10.9	11.8	11.1	9.7	14.0	14.3	12.7	19.5	18.7
10,000 to 49,999 lb	18.3	9.8	10.0	11.8	8.6	8.0	13.7	13.9	14.8	16.2	11.8	12.2
50,000 to 99,999 lb	30.8	33.4	29.8	46.3	28.8	28.6	41.8	49.8	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	22.9	12.8	13.7	12.0	15.0	16.4	16.6	23.7	21.7	32.6	31.6	32.3
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	47.5	42.5	42.1	45.9	45.4	S	S	S	S	S	S
10,000 to 49,999 lb	30.7	18.2	18.1	14.4	20.2	24.3	27.8	S	S	26.4	39.1	40.0
50,000 to 99,999 lb	15.4	16.8	16.1	42.4	43.0	40.5	S	S	S	S	S	S
100,000 lb or more	32.3	19.0	20.8	21.2	22.0	22.0	25.2	21.9	22.6	S	46.4	47.7
SCTG 43, Mixed freight	11.8	14.8	15.2	43.1	26.9	29.0	30.1	23.2	23.3	S	42.0	40.1
Less than 50 lb	46.6	40.4	46.5	S	S	S	S	S	S	S	S	S
50 to 99 lb	35.1	39.5	40.4	47.8	S	S	S	27.6	28.6	S	S	S
100 to 499 lb	24.7	27.4	26.3	30.3	41.5	41.3	S	30.4	30.3	37.5	33.9	32.9
500 to 749 lb	28.2	32.4	31.5	S	42.7	46.2	S	35.7	36.3	S	44.8	44.9
750 to 999 lb	20.8	27.0	27.7	47.1	45.0	42.4	48.6	32.0	31.8	S	S	S
1,000 to 9,999 lb	12.8	15.2	15.5	40.8	24.5	26.5	47.4	37.4	37.1	49.5	33.8	33.1
10,000 to 49,999 lb	17.9	19.9	21.3	S	31.6	33.4	30.6	25.2	26.1	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	18.2	28.3	30.0	33.3	38.9	38.3	34.5	26.2	25.8	21.4	33.7	35.8
Less than 50 lb	28.7	28.4	28.6	36.2	43.4	35.8	38.0	42.5	43.3	49.0	S	S
50 to 99 lb	31.1	S	48.8	S	S	S	37.1	33.4	33.2	S	S	S
100 to 499 lb	31.1	35.8	35.0	S	39.7	40.2	39.0	S	S	46.3	32.1	30.6
500 to 749 lb	S	42.5	42.2	S	28.7	30.8	46.2	34.0	34.4	40.5	38.7	39.6
750 to 999 lb	34.8	S	S	36.2	43.2	45.1	42.7	43.9	43.3	S	S	S
1,000 to 9,999 lb	32.1	34.1	34.0	28.6	S	S	40.4	32.7	33.2	43.2	23.4	23.4
10,000 to 49,999 lb	25.2	33.5	32.3	S	33.0	33.1	48.9	30.6	29.4	29.7	36.5	36.6
50,000 to 99,999 lb	48.6	49.2	48.0	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	4.5	5.4	5.3	3.6	5.2	5.1	6.3	9.0	9.2
Less than 50 lb	5.1	7.3	7.5	9.0	14.4	15.2	6.4	7.5	8.2
50 to 99 lb	11.0	10.5	10.5	11.6	12.8	13.2	32.9	32.6	31.0
100 to 499 lb	7.8	7.8	7.8	12.3	7.8	7.6	13.4	17.2	17.2
500 to 749 lb	26.9	29.8	26.7	38.0	47.0	48.1	25.5	17.1	17.0
750 to 999 lb	8.6	6.5	6.8	18.9	10.5	10.5	28.0	21.8	21.1
1,000 to 9,999 lb	6.1	17.3	16.8	7.3	4.6	4.8	11.3	9.0	8.7
10,000 to 49,999 lb	9.2	5.0	5.0	3.2	4.4	4.2	10.8	11.7	12.4
50,000 to 99,999 lb	37.6	20.3	19.2	34.7	18.1	18.4	S	42.3	42.2
100,000 lb or more	18.0	17.9	17.2	20.1	17.5	16.8	32.7	22.8	22.3
SCTG 01, Live animals and live fish	—	—	—	S	S	S	—	—	—
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	S	S	S	S	40.4	41.2	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	49.4	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	41.4	42.1	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 03, Other agricultural products	27.0	38.3	39.4	S	30.0	29.5	45.1	S	S
Less than 50 lb	49.3	S	S	38.9	45.0	45.8	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	33.6	31.7	30.8	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	45.0	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	38.4	38.6	28.6	30.0	31.1	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	24.3	23.5	23.1	47.6	27.4	28.3	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	26.4	31.3	30.7	20.8	20.5	20.7	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	45.2	44.2	S	44.3	44.0	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	16.9	16.6	16.1	17.5	17.1	17.4	37.6	41.6	41.4
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	27.9	27.6	29.0	42.4	36.7	37.8	—	—	—
500 to 749 lb	S	39.9	39.0	S	33.9	33.9	—	—	—
750 to 999 lb	34.8	33.4	33.9	33.1	33.5	34.6	—	—	—
1,000 to 9,999 lb	16.5	17.1	16.5	11.9	13.4	13.4	S	S	S
10,000 to 49,999 lb	21.6	20.4	20.1	20.5	19.6	19.9	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	13.5	17.9	18.9	17.3	17.1	16.6	26.5	23.9	30.9
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	40.3	41.8	41.8	38.8	S	S	S	S	S
500 to 749 lb	48.9	49.0	49.0	44.4	42.0	42.8	S	S	S
750 to 999 lb	S	S	S	48.3	45.6	45.7	S	S	S
1,000 to 9,999 lb	22.1	21.3	21.0	28.5	26.3	26.3	S	S	S
10,000 to 49,999 lb	14.5	18.2	19.5	19.3	14.1	14.1	30.5	28.7	36.3
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	34.8	34.6	34.0	43.5	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	12.3	10.8	11.0	12.6	11.5	11.3	20.4	29.4	29.7
Less than 50 lb	S	44.7	46.0	S	S	S	41.5	S	S
50 to 99 lb	S	42.7	40.7	S	S	S	S	S	S
100 to 499 lb	26.7	21.5	20.2	28.6	23.8	24.5	S	S	S
500 to 749 lb	25.6	25.3	24.5	36.5	33.9	34.4	S	S	48.9
750 to 999 lb	34.3	34.2	35.2	26.9	21.1	21.4	S	45.1	43.4
1,000 to 9,999 lb	19.3	27.1	24.9	22.5	13.3	13.0	S	49.0	48.8
10,000 to 49,999 lb	14.3	12.2	12.2	17.0	12.3	11.8	32.1	37.4	36.8
50,000 to 99,999 lb	S	S	S	34.5	S	S	—	—	—
100,000 lb or more	36.8	28.4	27.2	27.7	26.1	25.8	S	S	S
SCTG 08, Alcoholic beverages	S	S	S	37.4	40.4	39.2	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	40.8	38.3	39.1	37.9	40.4	39.2	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 09, Tobacco products	43.7	39.7	39.1	S	S	S	S	S	S
Less than 50 lb	S	49.3	S	45.8	41.7	41.9	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	47.1	39.7	40.7	45.7	43.5	43.3	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	44.3	S	S	33.3	36.9	39.3	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	34.2	36.5	37.1	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	46.2	S	S	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	S	44.5	43.0	S	43.3	42.4	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	48.5	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	28.2	S	S	42.7	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	43.2	42.9	S	S	S	S	S	S
500 to 749 lb	S	46.6	47.6	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	42.0	41.3	41.7	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	44.9	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 15, Coal	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	43.9	33.3	28.4	20.7	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	39.4	42.9	45.1	41.7	38.3	38.3	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	49.4	49.1	49.2	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	36.7	45.0	45.6	S	S	S
10,000 to 49,999 lb	37.1	31.8	33.7	28.2	47.0	47.5	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	21.3	23.4	23.5	47.6	S	S	—	—	—
SCTG 20, Basic chemicals	14.4	S	47.8	19.1	15.4	15.9	17.7	26.5	27.9
Less than 50 lb	29.9	29.0	28.1	S	34.7	33.4	S	S	S
50 to 99 lb	S	44.3	45.4	S	47.9	49.1	S	S	S
100 to 499 lb	42.0	46.8	45.9	42.9	26.1	26.3	43.7	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	33.2	32.3	32.7	S	S	S	S	S	S
1,000 to 9,999 lb	28.2	36.5	38.8	S	33.5	32.9	49.4	S	S
10,000 to 49,999 lb	20.4	23.0	22.4	21.7	15.9	16.2	28.4	39.9	41.9
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	33.8	S	S	38.2	31.6	31.4	44.6	42.3	42.1
SCTG 21, Pharmaceutical products	19.2	27.6	29.7	23.4	27.8	27.6	49.0	27.4	27.4
Less than 50 lb	34.2	21.5	21.9	28.6	27.8	27.8	S	45.2	43.7
50 to 99 lb	40.6	34.3	34.7	42.2	38.4	37.8	S	43.2	40.3
100 to 499 lb	38.9	19.5	19.4	26.6	18.6	18.9	S	38.5	39.7
500 to 749 lb	S	37.5	39.4	47.8	41.1	40.8	S	S	S
750 to 999 lb	S	49.9	S	S	43.2	42.6	—	—	—
1,000 to 9,999 lb	21.1	26.0	25.6	49.6	31.2	30.3	S	S	S
10,000 to 49,999 lb	S	S	S	48.7	44.1	43.5	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	15.1	17.0	17.9	15.3	12.8	13.2	22.3	24.3	24.3
Less than 50 lb	26.9	19.4	19.5	31.8	23.6	23.4	35.8	26.4	26.5
50 to 99 lb	33.4	31.1	32.2	46.9	31.3	31.0	45.2	49.9	49.9
100 to 499 lb	24.2	24.9	24.2	26.9	27.4	27.2	S	37.2	36.8
500 to 749 lb	29.9	20.6	20.2	28.1	28.8	28.6	S	S	S
750 to 999 lb	S	35.3	38.1	27.2	24.5	25.2	38.2	34.9	34.8
1,000 to 9,999 lb	22.8	27.8	33.0	25.3	15.9	15.8	30.5	21.7	21.2
10,000 to 49,999 lb	18.5	17.2	16.9	17.8	13.9	14.4	24.0	25.6	25.9
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	44.2	43.9	44.8	S	S	S
SCTG 24, Plastics and rubber	18.1	21.4	22.8	6.6	9.0	9.2	16.5	23.2	23.9
Less than 50 lb	14.4	23.0	22.6	18.5	19.2	18.9	30.3	32.9	32.5
50 to 99 lb	24.4	15.6	16.5	25.5	24.9	24.9	35.6	39.3	39.3
100 to 499 lb	14.5	16.1	15.8	15.6	14.0	13.9	15.6	17.4	17.3
500 to 749 lb	28.1	17.0	17.4	18.7	31.6	31.3	S	38.0	37.0
750 to 999 lb	16.6	18.6	18.6	19.1	21.5	21.9	32.6	37.8	37.3
1,000 to 9,999 lb	10.3	8.8	8.7	12.3	12.1	12.1	23.2	21.7	21.3
10,000 to 49,999 lb	37.7	34.9	36.9	9.3	10.6	10.7	31.5	32.2	32.7
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	44.1	45.0	43.2	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	45.3	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 26, Wood products	21.3	16.8	16.3	14.8	16.1	16.5	19.5	25.0	25.1
Less than 50 lb	27.2	23.6	23.7	26.3	22.1	22.4	S	48.4	46.1
50 to 99 lb	45.2	32.4	31.9	27.0	31.2	31.7	S	S	S
100 to 499 lb	27.5	18.2	17.9	24.9	19.3	19.0	S	S	S
500 to 749 lb	35.9	37.5	36.2	41.9	34.6	34.4	S	S	S
750 to 999 lb	48.9	S	S	44.2	47.1	47.1	S	S	S
1,000 to 9,999 lb	22.3	17.1	17.1	30.8	26.2	25.7	S	46.1	45.9
10,000 to 49,999 lb	33.5	21.4	20.8	18.9	21.5	22.3	29.6	29.3	29.4
50,000 to 99,999 lb	40.3	38.1	41.8	38.4	38.3	37.5	—	—	—
100,000 lb or more	38.3	40.2	41.4	30.1	32.1	31.3	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	15.9	16.4	17.1	15.2	21.9	20.6	32.1	33.6	33.4
Less than 50 lb	34.5	S	S	29.4	28.2	27.0	36.5	39.0	41.3
50 to 99 lb	S	S	S	44.6	49.3	48.9	S	S	S
100 to 499 lb	39.7	34.0	33.9	S	S	S	S	S	S
500 to 749 lb	45.1	38.0	37.0	40.8	S	S	S	S	S
750 to 999 lb	48.2	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	30.6	31.9	30.5	34.6	32.0	31.2	48.8	S	48.8
10,000 to 49,999 lb	20.0	25.0	24.9	17.6	27.8	26.8	46.5	48.0	46.8
50,000 to 99,999 lb	35.1	30.3	30.4	S	47.3	48.9	S	S	S
100,000 lb or more	S	44.9	45.6	23.5	25.3	25.2	—	—	—
SCTG 28, Paper or paperboard articles	20.3	28.9	30.4	13.3	13.8	13.8	26.0	25.1	25.4
Less than 50 lb	30.3	31.5	32.2	38.4	47.5	47.7	S	28.7	29.3
50 to 99 lb	37.8	33.4	33.3	30.0	31.3	32.8	S	S	S
100 to 499 lb	29.4	18.0	17.8	36.6	22.4	22.8	S	S	S
500 to 749 lb	26.3	25.8	26.1	26.2	30.6	32.1	S	S	S
750 to 999 lb	45.3	48.8	S	25.7	28.7	28.6	S	S	S
1,000 to 9,999 lb	23.7	19.8	19.7	18.7	13.0	13.0	34.7	34.5	34.5
10,000 to 49,999 lb	31.4	35.6	37.5	15.3	17.1	17.1	45.4	39.0	39.3
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	47.4	S	S	33.4	22.4	23.0	15.7	20.5	19.5
Less than 50 lb	22.8	24.9	25.0	21.3	19.5	20.3	22.7	28.6	28.0
50 to 99 lb	42.9	37.9	37.1	S	S	S	S	41.9	39.9
100 to 499 lb	25.7	20.7	20.1	S	44.4	46.2	32.6	35.5	33.7
500 to 749 lb	33.9	28.9	28.8	34.3	28.1	27.3	S	S	S
750 to 999 lb	S	33.6	34.7	S	S	S	S	44.6	44.5
1,000 to 9,999 lb	S	S	S	13.1	14.5	14.4	25.9	30.4	28.8
10,000 to 49,999 lb	S	39.3	38.1	25.2	22.8	22.8	38.7	36.0	36.2
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	15.4	16.8	16.0	18.1	S	S	32.1	36.0	36.2
Less than 50 lb	18.5	25.5	23.9	23.2	29.3	30.4	24.9	21.2	23.8
50 to 99 lb	20.0	18.1	18.8	32.3	36.8	37.2	32.9	37.4	37.3
100 to 499 lb	20.4	17.2	17.0	15.3	14.6	14.3	28.5	30.3	33.6
500 to 749 lb	49.8	41.0	39.5	28.5	29.3	29.4	S	38.6	38.5
750 to 999 lb	S	S	S	33.0	42.5	42.2	S	S	S
1,000 to 9,999 lb	36.8	29.2	28.9	21.3	17.1	17.0	S	S	49.3
10,000 to 49,999 lb	39.5	40.4	39.0	34.8	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	16.8	20.6	19.6	24.5	33.6	32.1	19.5	30.0	29.0
Less than 50 lb	25.7	29.8	29.2	39.8	36.7	37.1	45.0	48.2	49.8
50 to 99 lb	S	S	S	42.8	S	S	41.3	48.8	48.7
100 to 499 lb	21.0	19.1	19.5	36.1	35.0	34.7	40.4	37.0	36.6
500 to 749 lb	S	38.8	37.8	S	49.1	49.0	44.8	44.2	44.3
750 to 999 lb	S	S	S	S	40.1	38.5	S	S	S
1,000 to 9,999 lb	15.8	23.8	22.3	46.8	31.2	30.9	40.8	29.5	S
10,000 to 49,999 lb	26.4	16.5	16.4	32.0	18.8	18.0	32.5	35.8	34.9
50,000 to 99,999 lb	S	S	S	S	43.6	44.0	S	S	S
100,000 lb or more	35.8	47.6	45.0	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	12.2	20.4	19.4	14.6	19.5	19.8	17.3	25.0	24.7
Less than 50 lb	36.4	21.8	21.3	S	24.1	23.7	S	S	S
50 to 99 lb	36.5	25.9	25.8	35.6	36.0	35.1	S	S	S
100 to 499 lb	28.4	33.0	32.8	27.3	20.4	19.9	S	47.6	46.8
500 to 749 lb	24.0	17.1	16.7	S	24.5	24.5	47.4	44.1	44.2
750 to 999 lb	37.2	33.1	33.8	S	48.7	48.7	47.8	S	S
1,000 to 9,999 lb	20.3	19.4	20.8	12.2	12.3	13.6	35.5	35.1	34.8
10,000 to 49,999 lb	14.9	16.2	16.5	14.6	17.2	17.0	18.3	22.5	22.8
50,000 to 99,999 lb	S	S	S	S	49.4	48.7	S	S	S
100,000 lb or more	43.0	46.7	43.8	35.6	32.7	32.3	S	45.8	44.0
SCTG 33, Articles of base metal	13.3	30.6	31.4	36.3	12.2	12.1	28.0	30.7	31.4
Less than 50 lb	10.5	11.9	12.2	S	S	S	26.3	19.8	21.0
50 to 99 lb	27.8	19.2	20.0	21.2	20.5	20.4	S	S	S
100 to 499 lb	27.5	37.0	37.3	S	43.1	41.1	25.5	22.2	20.5
500 to 749 lb	35.2	21.9	23.8	28.4	15.9	15.9	S	S	S
750 to 999 lb	22.5	21.8	22.0	49.6	38.5	38.9	48.8	S	S
1,000 to 9,999 lb	23.8	49.3	48.2	14.0	14.7	14.3	45.0	27.3	27.4
10,000 to 49,999 lb	24.7	18.0	19.2	14.5	15.6	15.3	27.2	30.4	29.8
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	37.9	46.2	46.5	S	S	S	S	S	S
SCTG 34, Machinery	19.6	25.7	23.9	16.5	25.8	27.2	33.8	S	S
Less than 50 lb	19.1	10.5	10.4	18.8	23.0	23.5	27.3	33.9	38.1
50 to 99 lb	19.0	15.0	15.0	19.2	12.6	12.6	42.8	S	S
100 to 499 lb	15.2	13.3	14.4	10.4	12.6	12.7	41.7	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	26.1	23.2	24.5	36.6	32.2	31.0	S	S	S
1,000 to 9,999 lb	17.9	11.4	11.8	14.5	21.8	20.9	40.6	S	48.4
10,000 to 49,999 lb	38.4	34.1	32.3	18.3	12.3	12.5	S	S	S
50,000 to 99,999 lb	29.9	33.0	33.9	S	48.4	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	11.4	13.3	13.6	9.4	11.9	11.5	11.2	21.1	21.1
Less than 50 lb	11.6	11.5	11.3	14.0	19.0	19.6	19.3	18.7	20.1
50 to 99 lb	21.4	39.1	38.0	12.3	24.8	25.1	33.1	23.9	29.3
100 to 499 lb	20.1	14.9	14.7	20.8	24.1	23.8	33.2	36.5	39.2
500 to 749 lb	32.6	33.7	36.2	36.4	31.8	31.2	36.8	S	S
750 to 999 lb	25.7	23.3	23.6	41.1	18.8	20.6	S	40.4	40.5
1,000 to 9,999 lb	27.7	16.3	16.4	25.6	16.8	18.1	25.0	24.0	28.9
10,000 to 49,999 lb	21.9	19.0	19.2	23.1	16.8	15.9	30.6	41.4	43.0
50,000 to 99,999 lb	S	S	S	44.3	42.0	42.5	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	12.3	9.7	9.9	11.2	9.0	8.9	16.1	29.8	29.6
Less than 50 lb	22.2	16.9	17.7	16.5	15.6	15.9	27.8	32.7	33.4
50 to 99 lb	43.1	37.8	41.5	S	35.1	33.3	S	S	S
100 to 499 lb	28.1	19.5	19.1	41.8	25.2	25.0	27.4	21.5	22.5
500 to 749 lb	32.3	29.8	31.5	37.3	37.2	39.8	39.0	48.8	49.5
750 to 999 lb	39.3	28.5	30.8	S	34.6	35.1	S	S	S
1,000 to 9,999 lb	14.9	15.7	15.4	19.3	15.9	16.6	24.7	19.3	20.3
10,000 to 49,999 lb	17.3	13.9	14.4	14.1	13.4	13.2	32.8	S	S
50,000 to 99,999 lb	44.0	31.4	30.7	44.1	39.5	38.8	—	—	—
100,000 lb or more	S	41.3	42.2	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	29.0	34.4	34.6	27.0	23.6	23.9	41.8	S	S
Less than 50 lb	28.2	24.0	22.4	39.8	21.7	21.5	S	S	S
50 to 99 lb	S	33.4	34.0	S	34.4	33.9	S	S	S
100 to 499 lb	S	27.1	26.5	41.3	27.6	28.1	S	44.1	45.3
500 to 749 lb	S	47.5	45.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	31.8	32.4	37.8	40.2	40.2	S	S	S
10,000 to 49,999 lb	38.4	23.9	24.1	26.9	34.6	34.9	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	16.0	19.0	18.6	14.1	15.2	15.4	22.9	27.7	26.8
Less than 50 lb	26.4	20.0	18.5	16.0	14.9	14.7	26.5	24.2	21.7
50 to 99 lb	41.9	25.2	24.1	32.1	47.0	48.2	49.7	45.9	46.2
100 to 499 lb	25.8	32.1	32.1	22.2	25.3	25.4	37.1	41.2	40.3
500 to 749 lb	S	S	S	S	37.6	37.5	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	26.2	38.7	33.3	44.3	38.8	39.1	S	S	S
10,000 to 49,999 lb	40.5	47.5	48.5	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	21.8	25.7	27.4	12.7	33.0	34.2	S	48.4	S
Less than 50 lb	39.7	18.8	18.8	34.4	25.5	25.5	S	40.5	40.9
50 to 99 lb	31.0	36.8	38.2	18.1	23.4	23.0	S	S	S
100 to 499 lb	22.1	30.2	31.5	15.9	24.0	23.3	S	S	S
500 to 749 lb	S	49.5	47.3	30.3	39.3	38.6	S	S	S
750 to 999 lb	44.6	40.1	38.3	26.8	20.0	20.4	S	S	S
1,000 to 9,999 lb	31.1	26.3	25.7	19.1	17.4	17.8	46.5	45.1	47.5
10,000 to 49,999 lb	43.7	48.1	S	21.2	31.0	33.0	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	8.4	23.5	27.0	13.0	37.4	36.8	14.2	26.8	25.9
Less than 50 lb	10.1	10.7	10.4	11.7	8.8	8.7	17.9	17.2	17.6
50 to 99 lb	20.0	16.9	16.5	13.9	14.9	14.7	42.1	32.8	30.2
100 to 499 lb	11.2	12.5	11.7	11.1	16.0	16.5	26.6	35.4	35.4
500 to 749 lb	19.1	18.7	19.2	38.9	32.6	34.0	37.8	22.9	23.0
750 to 999 lb	19.8	21.1	21.2	22.5	17.5	17.6	S	S	S
1,000 to 9,999 lb	15.4	11.3	11.4	30.3	23.9	24.3	29.4	28.5	28.8
10,000 to 49,999 lb	22.2	17.1	17.4	20.7	18.7	18.9	39.6	27.3	27.4
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	46.8	33.2	32.7	34.4	34.7	35.3	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	30.4	40.0	43.3	38.0	40.3	40.0	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	43.8	42.9	S	44.0	44.2	—	—	—
SCTG 43, Mixed freight	43.3	33.5	32.3	31.6	33.8	34.2	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	42.9	47.2	46.0	S	30.9	30.6	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	38.5	38.3	—	—	—
10,000 to 49,999 lb	S	46.0	45.0	32.4	33.6	32.8	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	34.8	37.6	39.5	35.2	46.0	44.0	S	S	S
Less than 50 lb	46.0	49.0	47.7	38.1	45.1	45.8	S	S	S
50 to 99 lb	40.9	39.6	39.8	S	S	S	S	S	S
100 to 499 lb	32.4	28.5	28.0	38.7	32.1	31.9	S	S	S
500 to 749 lb	48.3	44.2	42.2	S	42.3	42.4	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	37.5	23.9	23.6	48.5	40.8	39.6	S	S	S
10,000 to 49,999 lb	46.5	37.4	37.7	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

SAMPLE DESIGN

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

First Stage

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidiroglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty make up the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode-NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

Second Stage

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26,

1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

Third Stage

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

DATA COLLECTION

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which

the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed "unusable." (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these "unusable" shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of "usable" shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment's reporting week are both equal to one.

The quarter weight inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of

quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment's value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment's probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

Appendix D.

Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by agencies of the United States and Canadian governments based on the Harmonized System (HS) of product classification which is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In the past, Commodity Flow Survey (CFS) data have been collected and reported using product classifications found in the Standard Transportation Commodity Classification (STCC) system. These classifications were developed in the early 1960s by the American Association of Railroads (AAR) to analyze commodity movements by rail. The original purpose of the STCC was for identification of commodities for purposes of assigning rates for Interstate Commerce Commission (ICC) regulated rail carriers. The STCC continues to be used by the AAR as a tariff mechanism.

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although

it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

In 1997 the CFS provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, we instructed respondents to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment.

Additional information on the SCTG system can be found on the Internet through the BTS web page at <http://www.bts.gov>. Comments or questions on the SCTG should be directed to [http://cfs@bts.gov](mailto:cfs@bts.gov).

Appendix E.

Sample Report Forms and Instructions

The sample report forms and instructions are shown on the following pages.

Note: The CFS-2000 was sent to a subsample of establishments to obtain additional information about the use of transportation equipment and facilities.

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see *Instruction Guide* for a definition of "shipment."**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

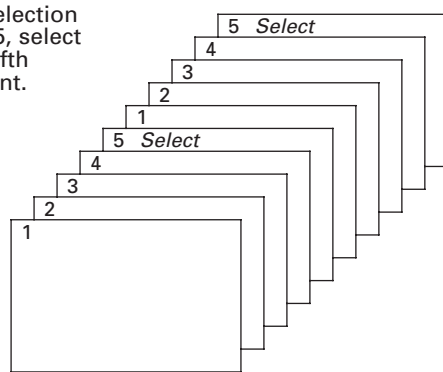
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

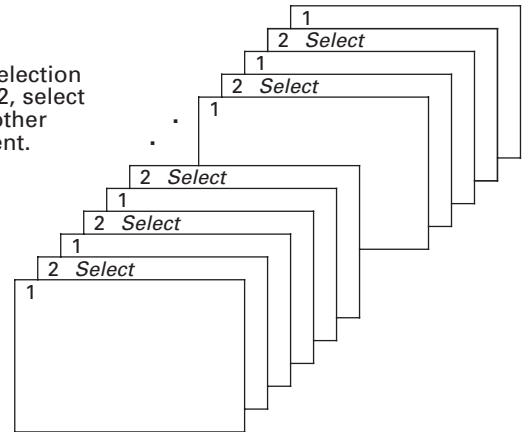
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(l)	(m)		
	City	State	ZIP Code			City	Country		
N	Los Angeles	CA	9 0 0 4 0	2, 4, 3	N				0
N	New York	NY	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel

6 — Deep draft vessel

7 — Pipeline

8 — Air

9 — Other mode

0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	(j)								
(i)	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G
1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

2. Are the records for outbound shipments from this location maintained in a number of separate files (e.g., separate files for each commodity, or for each shipping site) at this location?

☐ Yes

☐ No

If yes to item G1 or item G2:
3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

Enter the total value of shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item I

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item J
CERTIFICATION

Name of person to contact regarding this report — *Please print*

Telephone number — *Include area code*

Date

Signature

Title

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1
- ☐
- In operation
-
- 2
- ☐
- Temporarily or seasonally inactive
-
- 3
- ☐
- Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see Instruction Guide for a definition of "shipment."

**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

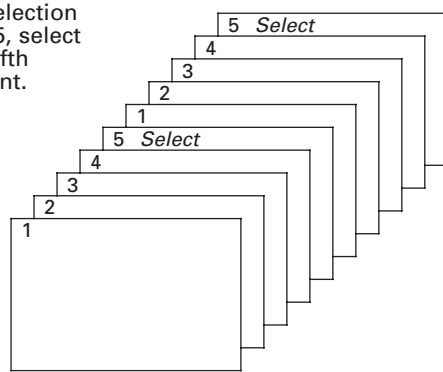
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

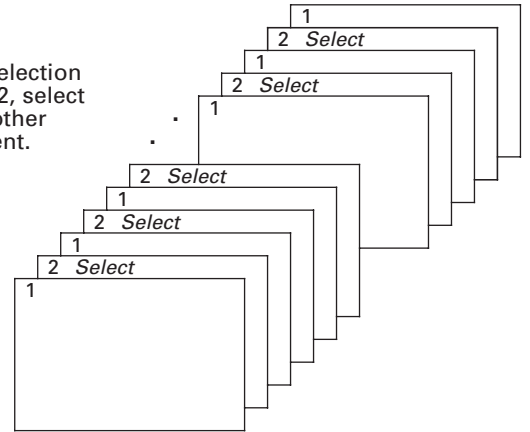
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
N	Los Angeles	CA	9 0 0 4 0	2, 4, 3	N				0
N	New York	NY	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i> (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	(j)					(m)			
(i)	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G Enter the total dollar value of **all** shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item H In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item I AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not this type of facility existed **on-site** during 1997. For each "Yes" in column (b), check "Yes" or "No" in column (c) to indicate whether or not you used the facility on your premises for **outbound shipments** during 1997.

Type of shipping facility (a)	Was a shipping facility of this type on your premises during 1997? (b)	Did you use this facility on your premises for outbound shipments during 1997? (c)
1. Rail siding	1 ☐ Yes ☐ No 2 ☐ Yes ☐ No	1 ☐ Yes ☐ No 2 ☐ Yes ☐ No
2. Dock on the Great Lakes	1 ☐ Yes ☐ No 2 ☐ Yes ☐ No	1 ☐ Yes ☐ No 2 ☐ Yes ☐ No
3. Dock on inland water	1 ☐ Yes ☐ No 2 ☐ Yes ☐ No	1 ☐ Yes ☐ No 2 ☐ Yes ☐ No
4. Dock on deep sea water	1 ☐ Yes ☐ No 2 ☐ Yes ☐ No	1 ☐ Yes ☐ No 2 ☐ Yes ☐ No
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes ☐ No 2 ☐ Yes ☐ No	1 ☐ Yes ☐ No 2 ☐ Yes ☐ No
6. Pipeline terminal	1 ☐ Yes ☐ No 2 ☐ Yes ☐ No	1 ☐ Yes ☐ No 2 ☐ Yes ☐ No

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item J **USE OF OFF-SITE SHIPPING FACILITIES**

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not you used an **off-site** facility of that type for **outbound shipments** during 1997. For each "Yes", enter the miles to that off-site facility in column (c), and the mode of transport used to reach that facility in column (d). The modes are listed below.

Type of shipping facility (a)	Did you use this type of off-site facility for outbound shipments during 1997? (b)	Distance to the off-site facility of this type that you used most in 1997 (Report in miles – estimates are acceptable) (c)	Mode of transport used to reach that facility (Enter a code from the list below) (d)
1. Rail siding	1 ☐ Yes —————→ 2 ☐ No		
2. Dock on the Great Lakes	1 ☐ Yes —————→ 2 ☐ No		
3. Dock on inland water	1 ☐ Yes —————→ 2 ☐ No		
4. Dock on deep sea water	1 ☐ Yes —————→ 2 ☐ No		
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —————→ 2 ☐ No		
6. Pipeline terminal	1 ☐ Yes —————→ 2 ☐ No		

1 – Trailer on Flat Car (TOFC)
2 – Private Truck

3 – For-Hire Truck
4 – Rail

5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

During 1997, did this location use any of the following types of equipment for outbound shipments? Please check "Yes" or "No." For rail cars reported in number 1 below, enter the approximate percentage of your total outbound rail shipments that used that type of rail car. These percentages should add to 100%. If you had no rail shipments, leave the percentages blank.

Equipment (a)	Was this type of equipment used for outbound shipments during 1993? (b)	Percentage of total rail shipments (c)
1. Rail cars that:	1 ☐ Yes → 2 ☐ No	
a. Your company owned/leased		
b. A common carrier owned/leased	1 ☐ Yes → 2 ☐ No	
c. Another party owned/leased (e.g. receiver)	1 ☐ Yes → 2 ☐ No	
2. Trucks with 6 or more tires or truck-tractors that:	1 ☐ Yes 2 ☐ No	
a. Your company owned		
b. Your company leased, with driver	1 ☐ Yes 2 ☐ No	
c. Your company leased, without driver	1 ☐ Yes 2 ☐ No	
3. Truck trailers that your company owned or leased	1 ☐ Yes 2 ☐ No	
4. Aircraft that your company owned or leased	1 ☐ Yes 2 ☐ No	
5. Barges that your company owned or leased	1 ☐ Yes 2 ☐ No	
6. Other equipment that your company owned or leased – <i>Specify</i> ↗	1 ☐ Yes 2 ☐ No	

Item L TRANSPORTATION DECISIONS

During 1997, who generally decided on the mode of transportation for your outbound shipments? *Check the appropriate box.*

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

Item M CERTIFICATIONName of person to contact regarding this report – *Please print*Telephone number – *Include area code*

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

You may use estimates if book figures are not readily available.

If you have questions about completing the survey, a Census Bureau representative will be glad to assist you. You can call us at 1-800-772-7851.

Some instructions are included on the questionnaire itself. However, due to space limitations, most of the instructions and definitions are included in separate reference materials. These include this instruction guide, and a listing of commodity codes to be used for classifying individual shipments in this survey.

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

The CFS produces valuable measures of the demands on the nation's transportation system.

The results of the CFS are used by transportation policy makers to analyze future transportation needs.

Who reports in the CFS?

The CFS covers a sample of establishments in the mining, manufacturing, wholesale, and selected retail industries.

Why is my participation important?

Your establishment was selected as part of a sample designed to represent a wide range of industries and geographic regions.

Your report helps ensure quality results.

Is this survey mandatory?

Yes. The CFS is mandatory under the authority of Title 13, United States Code (USC).

Will my data be kept confidential?

Yes. The same law that requires your participation, Title 13, USC, also guarantees your data will be kept strictly confidential.

The reports you provide the Census Bureau cannot be used for purposes of taxation, regulation, or investigation.

Your report is used only to develop summary data that do not reveal the activities of individual firms or establishments.

How often must I report?

You will be sent four questionnaires in all: one during each quarter of 1997.

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

Please enter the information requested on your establishment's name, operational status, and physical location.

Item D

Enter in the space provided your total number of outbound shipments **for the one week reporting period** on the front of the questionnaire.

Please include in this count any materials picked up by the customer ("customer pick-up").

What we mean by a "shipment":

For the purposes of this survey, a shipment is a single movement of goods, commodities, products, etc. from your location to a customer or to another location of your company.

"Commodities" refer to items that your location produces, sells, or distributes, *not* to items that are considered by-products of your location's operation.

What we don't mean by a "shipment":

Do *not* include as shipments items such as inter-office memos, payroll checks, business correspondence, etc.

Do *not* include as shipments items such as refuse, scrap paper, waste, and recyclable materials **unless** your location is in the business of selling or providing these materials to others.

A special note about "shipments":

A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location.

If a truck makes multiple deliveries on a route, **please count each stop as one shipment.**

Item E: Sampling Instructions

If you reported 40 or fewer shipments in Item D, complete Item F (Shipment Characteristics) for all of your shipments covered by the one-week reporting period.

If you reported more than 40 shipments in Item D, follow the instructions in Item E in order to select a sample of shipments on which to report in Item F.

By asking you to select a sample of your shipments for the one-week reporting period, we avoid asking you for information on all your shipments, while still obtaining statistically accurate information.

Reminder: The files you are sampling from should reflect the full range of your location's shipping activities in terms of modes of transportation used, commodities shipped, and destinations.

We're here to answer your questions! If you have questions about the sampling process (or any part of the questionnaire) please call us at 1-800-772-7851.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

- **Shipment ID Number (column b)** – Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date (column c)** – Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value (column d)** – Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, f.o.b. plant). If the value is not readily available from your records, please estimate.
- **Shipment Weight (column e)** – Enter the weight of the total shipment in whole pounds. If weight is not readily available from your records, please estimate.
- **Commodity Code (column f)** – Please use the list of Standard Classification of Transported Goods (SCTG) Codes in the enclosed SCTG Manual to select the proper code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight.
- **Commodity Description (column g)** – Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.

Item F SHIPMENT CHARACTERISTICS							
Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
		Month	Day				
0	123-5	4	26	4,235	140	3 6 1 2 0	Electrical transformers
00	123-6	4	26	125,300	626,500	1 7 1 0 0	Gasoline
1							
2							
3							
4							

Mode of transport codes for columns (k) and (n) ▶

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **For Hazardous Materials (column h)** – If shipment is a hazardous material, enter the 4-digit United Nations or North American number.
- **Containerized (column i)** – Indicate whether or not the shipment was containerized by entering "Y" or "N" (yes or no). Containerized means that the shipment **left your establishment** in an intermodal container or stackable tank without permanently attached wheels. These containers typically vary from 20 to 53 feet in length, and are carried on truck chassis, trains, and ships.
- **U.S. Destination: City, State, and ZIP Code (column j)** – For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver as it appears on the shipping document. Use the **"ship to"** address. Use the two letter state abbreviation shown in Part IV.

For **export shipments**, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, it is the border crossing.
- **Mode(s) of Transport (column k)** – Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in column j). Codes are located on the bottom of pages 2, 3, 4, and 5 of the questionnaire. Enter in the sequence used, all that apply. See Part III for definitions of each mode.

For Customer Pick-up: Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

If a hazardous material, enter the "UN" or "NA" number (h)	Containerized? (Y/N) (i)	U.S. destination (j)			Mode(s) of transport to U.S. destination Enter all that apply using codes shown below. (k)
		City	State	ZIP Code	
	N	Los Angeles	CA	90040	2, 4, 3
	N	New York	NY	10454	5

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **Export Shipment (column l)** – Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" or "N" (yes or no). For purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions are considered exports.
- **Foreign Destination: City and Country (column m)** – If the shipment is an export, enter the foreign city and country of destination. **For U.S. Destination (column j),** enter the U.S. port, airport, or border crossing of exit. **In column (k),** enter the mode of transport used to the U.S. destination.
- **Export Mode (column n)** – If the shipment is an export, enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 2, 3, 4, and 5 of the questionnaire.

Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	Country		
N				0
Y	London	England	6	00
				1
				2
				3
				4
				5

Items G – I

Please enter the information requested.

Item J: Certification

Please enter the name and telephone number of the person to contact in the event that we have a question about your report.

PART III – MODE DEFINITIONS

Parcel delivery/Courier/U.S. Postal Service – Delivery services that carry letters, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.

Private truck – Trucks operated by a temporary or permanent employee of this establishment or the buyer/receiver of the shipment.

For-hire truck – Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.

Railroad – Any common carrier or private railroad.

Shallow draft vessel – Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.

Deep draft vessel – Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.

Air – Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.

Other mode – Any mode not listed above.

Unknown – The shipment was not carried by a parcel delivery/courier/U.S. Postal service, and you cannot determine what mode of transportation is used.

Note: Commodities that are "shipped" under their own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Commodities shipped under their own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other" mode.**

PART IV -- STATE ABBREVIATION LIST

State	Abbrev.	State	Abbrev.
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

NOTICE - We estimate that it will take an average of 2 hours to complete this form. This includes time to read instructions, assemble and review information, and record answers on the form. If you have any comments regarding this estimate or any other aspect of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0189, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-0001. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

West North Central Division

1997

Issued April 2000

EC97TCF-DIV(4)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

This report was prepared in the Service Sector Statistics Division under the direction of **Thomas E. Zabelsky**, Assistant Chief for Current Service and Transportation Programs. Planning, implementation, and compiling of this report were under the supervision of **John L. Fowler**, Chief, Commodity Flow Survey Branch, assisted by **Wanda Dougherty, Debra Corbett, Bruce Dembroski, Shirley Gray, Michael Jones, Stephanie Kelley, Mabel Ocasio, Bonnie Opalko, Joyce Price, Barbara Selinske, Eli Serrano,** and **Michael Sprung**. Sample design and statistical methodology were developed under the general direction of **Howard Hogan** and **Carl A. Konschnik**, former Assistant Chiefs, and **Ruth E. Detlefsen**, current Assistant Chief, Research and Methodology. Sample design and estimation were under the supervision of **Patrick Cantwell**, former Chief, and **Jock Black**, current Chief, Program Research and Development Branch, assisted by **William C. Davie Jr., David L. Kinyon, Jacklyn R. Jonas,** and **M. Cristina Cruz**. Frame construction, sample control, imputation, and quality control procedures were developed under the supervision of **Carol King**, Chief, Statistical Methods Branch, assisted by **James Hunt**.

The processing system and computer programs were developed and implemented by the OAO programming group, led by **Jacques Wilmore** and assisted by **Harold N. Bobbitt** and **Robert J. Jeffrey**. **Steve G. McCraith**, Chief, Quinquennial Surveys Branch, Economic Statistical Methods and Programming Division and **Joseph F. Keehan** provided general support.

Coordination of data collection efforts was under the direction of **Judith N. Petty**, Chief, National Processing Center, assisted by **Matthew Aulbach, Linda Broadus, Grant Goodwin, Carlene Bottorff, Teresa Branstetter,** and **Jack Miller**.

The staff of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, performed planning, design, composition, editorial review, and printing planning and procurement for the publications, Internet products, and report forms. **Margaret A. Smith** provided publication coordination and editing.

We also acknowledge the contributions of the following Department of Transportation (DOT) representatives in the overall planning and design of the survey: **Rolf Schmitt**, Associate Director for Transportation Studies, Bureau of Transportation Statistics, assisted by **Susan Lapham, Russ Capelle, Ronald J. Duych,** and **Felix Ammah-Tagoe**.

The Oak Ridge National Laboratory's Center for Transportation Analysis, under the former and current direction of **Mike Bronzini** and **David Greene**, respectively, provided all mileage data for this report, using its transportation network modeling system, under the supervision of **Frank Southworth** and assisted by **Shih-Miao Chin, Bruce Peterson, Jane Rollow,** and **Angela Gibson**.

Special acknowledgment is also due to the many businesses whose cooperation was essential to the publication of these data.

1997 Economic Census
Transportation
1997 Commodity Flow Survey



**U.S. Department of
Transportation**
Rodney E. Slater,
Secretary
Mortimer L. Downey,
Deputy Secretary

**BUREAU OF TRANSPORTATION
STATISTICS**
Dr. Ashish Sen,
Director
Rick Kowalewski,
Deputy Director
Rolf R. Schmitt,
Associate Director for
Transportation Studies



U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

**Economics
and Statistics
Administration**
Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



**BUREAU OF TRANSPORTATION
STATISTICS**

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

CONTENTS

Introduction to the Economic Census	1
1997 Commodity Flow Survey	3

TABLES

1a. Shipment Characteristics by Mode of Transportation for the Division: 1997	9
1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993	9
1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993	10
2. Shipment Characteristics by Total Modal Activity for the Division: 1997	10
3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997	11
4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997	14
5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997	17
6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997	18
7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997	21
8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997	36
9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997	42
10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997 ...	48

APPENDIXES

A. Comparability With the 1993 Commodity Flow Survey	A-1
B. Reliability of the Estimates	B-1
C. Sample Design, Data Collection, and Estimation	C-1
D. Standard Classification of Transported Goods Code Information	D-1
E. Sample Report Forms and Instructions	E-1

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are

published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

1997 Commodity Flow Survey

GENERAL

The 1997 Commodity Flow Survey (CFS) is undertaken through a partnership between the Bureau of the Census, U.S. Department of Commerce, and the Bureau of Transportation Statistics, U.S. Department of Transportation. This survey produces data on the movement of goods in the United States. It provides information on commodities shipped, their value, weight, and mode of transportation, as well as the origin and destination of shipments of manufacturing, mining, wholesale, and selected retail establishments. The CFS was last conducted in 1993. See the Comparability With the 1993 Commodity Flow Survey table (Appendix A) for a comparison between the 1997 and 1993 surveys. The data from the CFS are used by public policy analysts and for transportation planning and decision-making to assess the demand for transportation facilities and services, energy use, and safety risk and environmental concerns.

This report presents data for the four Census Regions and nine Census Divisions. Additional reports include data for the United States, states, and selected metropolitan areas, as well as selected data on exports and hazardous material shipments.

INDUSTRY COVERAGE

The 1997 CFS covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey coverage excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail.

The industries covered, as defined in the 1987 Standard Industrial Classification Manual (SIC), are listed in the following table:

SIC code	Title
10, ex. 108	Metal mining (excluding metal mining services)
12, ex. 124	Coal mining (excluding coal mining services)
13	Oil and gas extraction ¹
14, ex. 148	Mining and quarrying of nonmetallic minerals, except fuels (excluding nonmetallic minerals services)
20	Food and kindred products
21	Tobacco products
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27, ex. 279	Printing, publishing, and allied industries (excluding service industries for the printing trade)
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastics products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, except machinery and transportation equipment
35	Industrial and commercial machinery and computer equipment
36	Electronic and other electrical equipment and components, except computer equipment
37	Transportation equipment
38	Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39	Miscellaneous manufacturing industries
50	Wholesale trade—durable goods
51	Wholesale trade—nondurable goods
596	Catalog and mail-order houses

¹We included establishments classified in SIC 13, Oil and Gas Extraction, in the initial coverage of the 1997 CFS. However, because of unresolved industry-wide reporting issues, we have removed shipments from these establishments from our 1997 CFS tabulations. The data collected from these establishments will be used as input to a special report at a later date.

Similarly, because establishments in SIC 13 are responsible for the overwhelming number of shipments classified in SCTG 16, Crude Petroleum, we have removed all shipments with SCTG 16 from the 1997 CFS publication results.

SHIPMENT COVERAGE

The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. The data do not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Shipments traversing the U.S. from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to a U.S. location. Imported products are included in the CFS at the point that they left the importer's domestic location for shipment to another location. Shipments that are shipped through a foreign territory with both the origin and destination in the U.S. are included in the CFS data. The mileages calculated for these shipments exclude the international segments (e.g., shipments from New York to Michigan through Canada do not include any mileages for Canada). Export shipments are included, with the domestic destination defined as the port of exit from the U.S.

The "Industry Coverage" section of the text lists the SIC groups covered by the CFS. Other industry areas that are not covered, but may have significant shipping activity, include agriculture, government, and retail (other than warehouses and SIC 5961, Catalog and Mail-Order Houses). For agriculture specifically, this means that the CFS did not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward.

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported

multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

The ORNL multimodal network database is composed of individual modal-specific networks representing each of the major transportation modes—highway, rail, waterway, air, and pipeline. The links of these specific modal networks are the representation of line-haul transportation facilities. The nodes represent intersections and interchanges, and the access points to the transportation network. To simulate local access, test links are created from each five-digit ZIP Code centroid to nearby nodes on the network. For the truck network, local access is assumed to exist everywhere. For the other modes this is not true. Before any test links are created for these modes, a search procedure is used to determine if and where such networks are most likely to provide access to the ZIP Code. For shipments involving more than one mode, such as truck-rail or rail-water shipments, intermodal transfer links are added to the network database for the purpose of connecting the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at ORNL to identify likely transfer points for different classes of freight. A measure of link impedance was calculated for each access, line-haul, and intermodal transfer link traversed by a shipment. These impedances were mode specific and are based on various link characteristics. For example, the set of link characteristics for the highway network included speed impacting factors, such as the presence of divided or undivided roadway, the degree of access control, rural or urban setting, type of pavement, number of lanes, degree of urban congestion, and length of the link. Link impedance measures are also assigned to the local access links. Intermodal transfer link impedances are estimated in terms of the time it takes to move goods through such a transfer. In the case of rail and air freight, intercarrier transfer penalties are also considered in order to obtain proper route selections. A minimum path algorithm is used to find the minimum impedance path between a shipment's origin ZIP Code centroid and destination ZIP Code centroid. The cumulative length of the local access plus line-haul links on this path provides the estimated shipment distance. When rail was involved these shipment distances may be averaged over more than one path between an origin-destination pair.

Mileage Data for Pipeline Shipments

In the tables, we do not show ton-miles or average miles per shipment for pipeline shipments. For most of these shipments, the respondents reported the shipment

destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network, and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment.

DISCLOSURE RULES

In accordance with Federal law governing Census Bureau reports, no data are published that would disclose the operations of an individual firm or establishment.

EXPLANATION OF TERMS

Average miles per shipment. For the 1993 CFS, we excluded shipments of STCC 27, Printed Matter, from our calculation of average miles per shipment. We made this decision after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term “shipment.”

For the 1997 CFS, we made numerous efforts throughout our data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, we have included printed products in the average miles per shipment calculations for the 1997 CFS.

Commodity. Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment’s operation. Respondents reported the description and the five-digit SCTG code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.

Distance shipped. In some tables, shipment data are presented for various “distance shipped” intervals. Shipments were categorized into these “distance shipped” intervals based on the great circle distance between their origin and destination ZIP Code centroids. All other distance-related data in this and other tables (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories. (See the “Mileage Calculations” section for more details.)

Great circle distance. The shortest distance between two points on the earth’s surface.

Mode of transportation. The type of transportation used for moving the shipment to its domestic destination. For exports, the domestic destination was the port of exit.

Mode Definitions

In the instructions to the respondent, we defined the possible modes as follows:

1. **Parcel delivery/courier/U.S. Postal Service.** Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
2. **Private truck.** Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
3. **For-hire truck.** Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
4. **Railroad.** Any common carrier or private railroad.
5. **Shallow draft vessels.** Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
6. **Deep draft vessel.** Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.
7. **Pipeline.** Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper’s establishment. Aqueducts for the movement of water are not included.
8. **Air.** Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.
9. **Other mode.** Any mode not listed above.
10. **Unknown.** The shipment was not carried by a parcel delivery/courier/U.S. Postal Service, and the respondent could not determine what mode of transportation was used.

In the tables, we have used additional terms for mode, which we define as follows:

1. **Air (includes truck and air).** Shipments that used air or a combination of truck and air.
2. **Single modes.** Shipments using only one of the above-listed modes, except parcel or other and unknown.
3. **Multiple modes.** Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used:
 - Private truck
 - For-hire truck
 - Rail
 - Shallow draft vessel
 - Deep draft vessel
 - Pipeline

We did not allow for multiple modes in combination with “parcel, U.S. Postal Service or courier,” “unknown,” or “other.” By their nature, these shipments may already include various kinds of multiple-mode activity. For example, if the respondent reported a shipment’s mode of transportation as parcel and air, we treated the shipment as parcel only.

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.
5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as “Other” or “Unknown.”
6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.
7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as “Other multiple modes.”
8. **Great Lakes.** In the tables in this publication, “Great Lakes” appears as a single mode. ORNL’s transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the “Mileage Calculations” section for more details).

Other Definitions and Terms

Shipment. A shipment (or delivery) is an individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.

Standard Classification of Transported Goods

(SCTG). The commodities shown in this report are classified using the SCTG coding system. The SCTG coding system was developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States

exclude any mileages through Canada (see the “Mileage Calculations” section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

Tons shipped. The total weight of the entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.

Total modal activity. The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)

Value of shipments. The dollar value of the entire shipment. This was defined as the net selling value, f.o.b. plant, exclusive of freight charges and excise taxes. The value data are displayed in millions of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables for this publication:

D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey.
lb	Pounds.
n.e.c.	Not elsewhere classified.
NA	Not applicable.
n.o.s.	Not otherwise specified.

OTHER TRANSPORTATION DATA

Users of transportation data may be especially interested in the following reports:

Economic Census: Transportation Sector covers establishments that provide passenger and freight transportation to the general public, government, or other businesses.

Published data include kind of business, geographic location, total operating revenue, annual and first quarter payroll, and number of employees for pay period including March 12.

Vehicle Inventory and Use Survey covers state and U.S. level statistics on the physical and operational characteristics of the Nation's truck, van, minivan, and sport utility vehicle population. Some of the types of data collected include number of vehicles, major use, body type, annual miles, model year, vehicle size, fuel type, operator classification, engine size, range of operation, weeks operated, products carried, and hazardous materials carried. This survey shows comparative statistics reflecting percent changes in number of vehicles between 1997 and 1992 for most characteristics.

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected

include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

All results of the 1997 Economic Census are available on the Census Bureau Internet site <http://www.census.gov> and on compact discs (CD-ROM).

For more information on any Census Bureau product, including a description of electronic and printed reports being issued, see the website or call Customer Services at 301-457-4100.

Table 1a. Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	584 209	100.0	1 072 504	100.0	367 183	100.0	562
Single modes	481 594	82.4	987 547	92.1	326 864	89.0	193
Truck ¹	415 405	71.1	724 875	67.6	115 643	31.5	135
For-hire truck	249 769	42.8	317 751	29.6	89 015	24.2	372
Private truck	161 055	27.6	401 335	37.4	25 812	7.0	55
Rail	46 645	8.0	204 516	19.1	169 085	46.0	821
Water	3 878	.7	41 794	3.9	39 713	10.8	1 061
Shallow draft	3 685	.6	37 511	3.5	37 497	10.2	1 066
Great Lakes	171	—	S	S	S	S	565
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	12 026	2.1	259	—	357	.1	1 386
Pipeline ²	3 640	.6	16 103	1.5	S	S	S
Multiple modes	84 088	14.4	33 244	3.1	31 890	8.7	881
Parcel, U.S. Postal Service or courier	75 623	12.9	2 794	.3	2 139	.6	881
Truck and rail	7 419	1.3	4 551	.4	5 253	1.4	1 268
Truck and water	S	S	S	S	S	S	3 435
Rail and water	740	.1	24 333	2.3	22 659	6.2	1 411
Other multiple modes	S	S	S	S	26	—	S
Other and unknown modes	18 527	3.2	51 713	4.8	8 428	2.3	93

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	584 209	460 068	27.0	1 072 504	868 108	23.5	367 183	290 073	26.6	562	444	26.5
Single modes	481 594	389 767	23.6	987 547	808 221	22.2	326 864	260 357	25.5	193	213	-9.0
Truck ¹	415 405	342 909	21.1	724 875	590 447	22.8	115 643	89 619	29.0	135	144	-6.3
For-hire truck	249 769	214 054	16.7	317 751	256 659	23.8	89 015	65 007	36.9	372	451	-17.5
Private truck	161 055	128 009	25.8	401 335	332 726	20.6	25 812	24 371	5.9	55	55	—
Rail	46 645	27 903	67.2	204 516	158 942	28.7	169 085	120 882	39.9	821	810	1.3
Water	3 878	3 815	1.7	41 794	46 036	-9.2	39 713	48 118	-17.5	1 061	921	15.1
Shallow draft	3 685	3 636	1.3	37 511	41 384	-9.4	37 497	44 337	-15.4	1 066	874	22.0
Great Lakes	171	S	S	S	S	S	S	S	S	565	819	-31.0
Deep draft	S	21	S	S	S	S	S	25	S	1	4 341	-100.0
Air (includes truck and air)	12 026	12 922	-6.9	259	S	S	357	347	3.0	1 386	1 298	6.8
Pipeline ²	3 640	2 217	64.2	16 103	12 531	28.5	S	S	S	S	S	S
Multiple modes	84 088	54 017	55.7	33 244	19 336	71.9	31 890	18 123	76.0	881	727	21.2
Parcel, U.S. Postal Service or courier	75 623	45 647	65.7	2 794	2 129	31.2	2 139	1 401	52.7	881	726	21.5
Truck and rail	7 419	7 629	-2.8	4 551	2 395	90.0	5 253	2 592	102.7	1 268	1 209	4.9
Truck and water	S	434	S	S	S	S	S	S	S	3 435	2 031	69.1
Rail and water	740	278	166.5	24 333	S	S	22 659	S	S	1 411	881	60.1
Other multiple modes	S	S	S	S	S	S	26	S	S	S	70	S
Other and unknown modes ...	18 527	16 284	13.8	51 713	40 552	27.5	8 428	S	S	93	180	-48.4

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	82.4	84.7	92.1	93.1	89.0	89.8
Truck ¹	71.1	74.5	67.6	68.0	31.5	30.9
For-hire truck	42.8	46.5	29.6	29.6	24.2	22.4
Private truck	27.6	27.8	37.4	38.3	7.0	8.4
Rail	8.0	6.1	19.1	18.3	46.0	41.7
Water	.7	.8	3.9	5.3	10.8	16.6
Shallow draft	.6	.8	3.5	4.8	10.2	15.3
Great Lakes	—	S	S	S	S	S
Deep draft	S	—	S	—	S	—
Air (includes truck and air)	2.1	2.8	—	S	.1	.1
Pipeline ²	.6	.5	1.5	1.4	S	S
Multiple modes	14.4	11.7	3.1	2.2	8.7	6.2
Parcel, U.S. Postal Service or courier	12.9	9.9	.3	.2	.6	.5
Truck and rail	1.3	1.7	.4	.3	1.4	.9
Truck and water	S	—	S	S	S	S
Rail and water	.1	—	2.3	S	6.2	S
Other multiple modes	S	S	S	S	—	S
Other and unknown modes	3.2	3.5	4.8	4.7	2.3	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 2. Shipment Characteristics by Total Modal Activity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	367 184	100.0	552
Truck	116 326	31.7	133
Rail	178 148	48.5	872
Shallow draft	38 924	10.6	1 027
Great Lakes	20 480	5.6	695
Deep draft	S	S	4 035
Air	333	—	1 303
Parcel, U.S. Postal Service or courier	2 139	.6	881
Pipeline	S	S	S
Other and unknown modes	8 441	2.3	92

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹Data represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving by truck only plus ton-miles for truck segments only of multiple mode shipments.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	584 209	100.0	1 072 504	100.0	367 183	100.0
Less than 50 miles	140 426	24.0	517 540	48.3	10 717	2.9
50 to 99 miles	46 308	7.9	105 278	9.8	9 930	2.7
100 to 249 miles	85 288	14.6	134 345	12.5	30 214	8.2
250 to 499 miles	92 955	15.9	112 235	10.5	57 434	15.6
500 to 749 miles	68 135	11.7	69 405	6.5	59 527	16.2
750 to 999 miles	57 783	9.9	54 878	5.1	64 181	17.5
1,000 to 1,499 miles	76 866	13.2	73 588	6.9	124 125	33.8
1,500 to 1,999 miles	15 748	2.7	5 116	.5	10 458	2.8
2,000 miles or more	700	.1	S	S	S	S
Single modes	481 594	100.0	987 547	100.0	326 864	100.0
Less than 50 miles	124 432	25.8	474 662	48.1	10 104	3.1
50 to 99 miles	41 621	8.6	103 820	10.5	9 789	3.0
100 to 249 miles	73 956	15.4	131 502	13.3	29 576	9.0
250 to 499 miles	76 498	15.9	95 939	9.7	43 884	13.4
500 to 749 miles	54 233	11.3	61 185	6.2	52 549	16.1
750 to 999 miles	44 640	9.3	47 891	4.8	56 035	17.1
1,000 to 1,499 miles	55 520	11.5	68 127	6.9	115 916	35.5
1,500 to 1,999 miles	10 553	2.2	4 413	.4	8 994	2.8
2,000 miles or more	142	—	7	—	17	—
Truck¹	415 405	100.0	724 875	100.0	115 643	100.0
Less than 50 miles	121 334	29.2	454 987	62.8	9 689	8.4
50 to 99 miles	39 879	9.6	81 354	11.2	7 458	6.4
100 to 249 miles	66 909	16.1	82 293	11.4	16 394	14.2
250 to 499 miles	64 295	15.5	50 138	6.9	21 364	18.5
500 to 749 miles	42 448	10.2	22 875	3.2	17 133	14.8
750 to 999 miles	33 381	8.0	16 081	2.2	16 933	14.6
1,000 to 1,499 miles	39 716	9.6	14 460	2.0	21 462	18.6
1,500 to 1,999 miles	7 415	1.8	2 684	.4	5 205	4.5
2,000 miles or more	27	—	4	—	6	—
For-hire truck	249 769	100.0	317 751	100.0	89 015	100.0
Less than 50 miles	33 145	13.3	137 319	43.2	3 321	3.7
50 to 99 miles	16 939	6.8	40 872	12.9	3 786	4.3
100 to 249 miles	37 676	15.1	50 547	15.9	10 422	11.7
250 to 499 miles	52 223	20.9	38 842	12.2	16 583	18.6
500 to 749 miles	36 932	14.8	20 183	6.4	15 190	17.1
750 to 999 miles	29 005	11.6	13 916	4.4	14 642	16.4
1,000 to 1,499 miles	36 864	14.8	13 504	4.2	20 089	22.6
1,500 to 1,999 miles	6 960	2.8	2 565	.8	4 976	5.6
2,000 miles or more	26	—	4	—	5	—
Private truck	161 055	100.0	401 335	100.0	25 812	100.0
Less than 50 miles	87 435	54.3	313 376	78.1	6 195	24.0
50 to 99 miles	22 656	14.1	40 057	10.0	3 626	14.0
100 to 249 miles	28 877	17.9	31 347	7.8	5 888	22.8
250 to 499 miles	11 647	7.2	10 991	2.7	4 638	18.0
500 to 749 miles	5 184	3.2	2 513	.6	1 815	7.0
750 to 999 miles	2 359	1.5	S	S	S	S
1,000 to 1,499 miles	2 517	1.6	846	.2	1 217	4.7
1,500 to 1,999 miles	380	.2	113	—	218	.8
2,000 miles or more	S	S	S	S	S	S
Rail	46 645	100.0	204 516	100.0	169 085	100.0
Less than 50 miles	796	1.7	8 424	4.1	S	S
50 to 99 miles	1 092	2.3	19 511	9.5	2 010	1.2
100 to 249 miles	5 936	12.7	40 332	19.7	10 899	6.4
250 to 499 miles	8 738	18.7	38 961	19.1	18 384	10.9
500 to 749 miles	8 359	17.9	24 323	11.9	21 663	12.8
750 to 999 miles	8 236	17.7	23 611	11.5	27 685	16.4
1,000 to 1,499 miles	11 373	24.4	47 656	23.3	84 442	49.9
1,500 to 1,999 miles	2 115	4.5	1 697	.8	3 722	2.2
2,000 miles or more	—	—	—	—	—	—
Water	3 878	100.0	41 794	100.0	39 713	100.0
Less than 50 miles	186	4.8	2 063	4.9	S	S
50 to 99 miles	46	1.2	1 548	3.7	227	.6
100 to 249 miles	180	4.6	6 342	15.2	1 790	4.5
250 to 499 miles	337	8.7	3 798	9.1	2 743	6.9
500 to 749 miles	1 051	27.1	13 946	33.4	13 707	34.5
750 to 999 miles	1 219	31.4	8 154	19.5	11 349	28.6
1,000 to 1,499 miles	860	22.2	5 942	14.2	9 893	24.9
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Shallow draft	3 685	100.0	37 511	100.0	37 497	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	46	1.3	1 548	4.1	227	.6
100 to 249 miles	180	4.9	6 342	16.9	1 790	4.8
250 to 499 miles	330	8.9	3 558	9.5	2 656	7.1
500 to 749 miles	954	25.9	11 219	29.9	11 580	30.9
750 to 999 miles	1 219	33.1	8 154	21.7	11 349	30.3
1,000 to 1,499 miles	860	23.3	5 942	15.8	9 893	26.4
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	171	100.0	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Air (includes truck and air)	12 026	100.0	259	100.0	357	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	205	1.7	S	S	S	S
100 to 249 miles	415	3.4	10	4.0	3	1.0
250 to 499 miles	2 518	20.9	47	18.1	38	10.5
500 to 749 miles	2 376	19.8	41	15.9	46	12.9
750 to 999 miles	1 804	15.0	46	17.6	68	19.1
1,000 to 1,499 miles	3 571	29.7	69	26.6	119	33.2
1,500 to 1,999 miles	1 022	8.5	S	S	S	S
2,000 miles or more	115	1.0	3	1.0	11	3.1
Pipeline²	3 640	100.0	16 103	100.0	S	S
Less than 50 miles	2 116	58.1	9 187	57.1	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	—	—	—	—	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	—	—	—	—	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	84 088	100.0	33 244	100.0	31 890	100.0
Less than 50 miles	8 318	9.9	710	2.1	14	—
50 to 99 miles	3 400	4.0	322	1.0	35	.1
100 to 249 miles	9 531	11.3	716	2.2	193	.6
250 to 499 miles	14 708	17.5	15 029	45.2	12 890	40.4
500 to 749 miles	12 557	14.9	7 630	23.0	6 560	20.6
750 to 999 miles	12 114	14.4	6 464	19.4	7 554	23.7
1,000 to 1,499 miles	18 099	21.5	1 819	5.5	3 103	9.7
1,500 to 1,999 miles	4 824	5.7	442	1.3	970	3.0
2,000 miles or more	538	.6	S	S	S	S
Parcel, U.S. Postal Service or courier	75 623	100.0	2 794	100.0	2 139	100.0
Less than 50 miles	8 179	10.8	312	11.2	7	.3
50 to 99 miles	3 356	4.4	157	5.6	15	.7
100 to 249 miles	9 361	12.4	378	13.5	80	3.8
250 to 499 miles	13 560	17.9	476	17.0	219	10.2
500 to 749 miles	11 115	14.7	402	14.4	307	14.3
750 to 999 miles	10 215	13.5	421	15.1	449	21.0
1,000 to 1,499 miles	15 530	20.5	526	18.8	772	36.1
1,500 to 1,999 miles	3 804	5.0	97	3.5	191	8.9
2,000 miles or more	503	.7	25	.9	S	S
Truck and rail	7 419	100.0	4 551	100.0	5 253	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	152	2.0	224	4.9	71	1.4
250 to 499 miles	790	10.6	1 391	30.6	851	16.2
500 to 749 miles	1 204	16.2	544	12.0	464	8.8
750 to 999 miles	1 640	22.1	720	15.8	870	16.6
1,000 to 1,499 miles	2 561	34.5	1 230	27.0	2 202	41.9
1,500 to 1,999 miles	1 020	13.7	345	7.6	778	14.8
2,000 miles or more	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	31	18.2	S	S	S	S

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	740	100.0	24 333	100.0	22 659	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	353	47.7	13 162	54.1	11 819	52.2
500 to 749 miles	237	32.1	6 684	27.5	5 789	25.5
750 to 999 miles	143	19.3	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other multiple modes	S	S	S	S	26	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	3	.6	13	50.7
Other and unknown modes	18 527	100.0	51 713	100.0	8 428	100.0
Less than 50 miles	7 676	41.4	42 168	81.5	600	7.1
50 to 99 miles	1 287	6.9	1 136	2.2	106	1.3
100 to 249 miles	1 801	9.7	2 127	4.1	444	5.3
250 to 499 miles	1 749	9.4	S	S	S	S
500 to 749 miles	1 345	7.3	589	1.1	419	5.0
750 to 999 miles	1 030	5.6	523	1.0	S	S
1,000 to 1,499 miles	3 247	17.5	3 642	7.0	5 106	60.6
1,500 to 1,999 miles	371	2.0	260	.5	494	5.9
2,000 miles or more	20	.1	2	—	7	—

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	584 209	100.0	1 072 504	100.0	367 183	100.0	562
Less than 50 lb	68 424	11.7	2 254	.2	1 408	.4	697
50 to 99 lb	18 238	3.1	1 273	.1	444	.1	349
100 to 499 lb	53 932	9.2	7 109	.7	1 573	.4	231
500 to 749 lb	17 715	3.0	3 529	.3	696	.2	195
750 to 999 lb	10 434	1.8	3 011	.3	589	.2	195
1,000 to 9,999 lb	109 447	18.7	62 573	5.8	11 488	3.1	178
10,000 to 49,999 lb	225 521	38.6	381 586	35.6	82 088	22.4	206
50,000 to 99,999 lb	38 494	6.6	232 381	21.7	25 175	6.9	109
100,000 lb or more	42 003	7.2	378 787	35.3	243 722	66.4	618
Single modes	481 594	100.0	987 547	100.0	326 864	100.0	193
Less than 50 lb	17 454	3.6	658	—	116	—	220
50 to 99 lb	7 933	1.6	736	—	110	—	143
100 to 499 lb	37 333	7.8	6 084	.6	1 099	.3	174
500 to 749 lb	15 465	3.2	3 273	.3	631	.2	190
750 to 999 lb	9 520	2.0	2 854	.3	553	.2	193
1,000 to 9,999 lb	101 183	21.0	59 313	6.0	10 637	3.3	176
10,000 to 49,999 lb	215 162	44.7	374 303	37.9	75 978	23.2	194
50,000 to 99,999 lb	37 909	7.9	229 545	23.2	24 338	7.4	107
100,000 lb or more	39 634	8.2	310 779	31.5	213 402	65.3	624
Truck¹	415 405	100.0	724 875	100.0	115 643	100.0	135
Less than 50 lb	13 003	3.1	618	—	60	—	86
50 to 99 lb	7 033	1.7	725	.1	95	—	124
100 to 499 lb	34 363	8.3	6 044	.8	1 048	.9	166
500 to 749 lb	14 862	3.6	3 259	.4	615	.5	186
750 to 999 lb	9 287	2.2	2 841	.4	539	.5	190
1,000 to 9,999 lb	99 287	23.9	59 108	8.2	10 443	9.0	174
10,000 to 49,999 lb	202 897	48.8	371 685	51.3	73 254	63.3	189
50,000 to 99,999 lb	29 487	7.1	227 081	31.3	22 241	19.2	100
100,000 lb or more	5 184	1.2	53 514	7.4	7 347	6.4	111
For-hire truck	249 769	100.0	317 751	100.0	89 015	100.0	372
Less than 50 lb	4 229	1.7	137	—	36	—	231
50 to 99 lb	2 822	1.1	145	—	61	—	402
100 to 499 lb	17 219	6.9	1 454	.5	758	.9	520
500 to 749 lb	9 262	3.7	851	.3	464	.5	544
750 to 999 lb	4 973	2.0	674	.2	387	.4	573
1,000 to 9,999 lb	53 812	21.5	15 297	4.8	7 511	8.4	509
10,000 to 49,999 lb	138 043	55.3	159 865	50.3	58 433	65.6	383
50,000 to 99,999 lb	16 714	6.7	119 720	37.7	15 599	17.5	132
100,000 lb or more	2 696	1.1	19 607	6.2	5 766	6.5	247
Private truck	161 055	100.0	401 335	100.0	25 812	100.0	55
Less than 50 lb	8 675	5.4	479	.1	24	—	44
50 to 99 lb	4 002	2.5	577	.1	33	.1	55
100 to 499 lb	16 633	10.3	4 542	1.1	284	1.1	60
500 to 749 lb	5 453	3.4	2 395	.6	150	.6	62
750 to 999 lb	4 192	2.6	2 149	.5	151	.6	70
1,000 to 9,999 lb	43 402	26.9	43 377	10.8	2 869	11.1	65
10,000 to 49,999 lb	63 587	39.5	209 376	52.2	14 256	55.2	64
50,000 to 99,999 lb	12 631	7.8	105 079	26.2	6 511	25.2	63
100,000 lb or more	2 478	1.5	33 361	8.3	1 535	5.9	64
Rail	46 645	100.0	204 516	100.0	169 085	100.0	821
Less than 50 lb	S	S	S	S	S	S	351
50 to 99 lb	S	S	S	S	S	S	1 301
100 to 499 lb	S	S	S	S	S	S	886
500 to 749 lb	S	S	S	S	S	S	401
750 to 999 lb	S	S	S	S	S	S	938
1,000 to 9,999 lb	S	S	83	—	S	S	1 372
10,000 to 49,999 lb	S	S	2 081	1.0	2 590	1.5	1 274
50,000 to 99,999 lb	S	S	2 140	1.0	1 984	1.2	971
100,000 lb or more	27 427	58.8	200 208	97.9	164 396	97.2	755
Water	3 878	100.0	41 794	100.0	39 713	100.0	1 061
Less than 50 lb	S	S	S	S	S	S	384
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	424
500 to 749 lb	S	S	S	S	S	S	8
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	378
10,000 to 49,999 lb	S	S	S	S	S	S	356
50,000 to 99,999 lb	S	S	S	S	S	S	1 277
100,000 lb or more	3 862	99.6	41 756	99.9	39 673	99.9	1 138
Shallow draft	3 685	100.0	37 511	100.0	37 497	100.0	1 066
Less than 50 lb	S	S	S	S	S	S	384
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	424
500 to 749 lb	S	S	S	S	S	S	8
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	378
10,000 to 49,999 lb	S	S	S	S	S	S	356
50,000 to 99,999 lb	S	S	S	S	S	S	1 277
100,000 lb or more	3 668	99.6	37 473	99.9	37 457	99.9	1 145

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	171	100.0	S	S	S	S	565
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	171	100.0	S	S	S	S	565
Deep draft	S	S	S	S	S	S	1
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	1
Air (includes truck and air)	12 026	100.0	259	100.0	357	100.0	1 386
Less than 50 lb	4 448	37.0	40	15.4	56	15.5	1 397
50 to 99 lb	899	7.5	12	4.5	15	4.1	1 269
100 to 499 lb	2 945	24.5	38	14.8	49	13.8	1 250
500 to 749 lb	599	5.0	11	4.4	15	4.2	1 317
750 to 999 lb	229	1.9	13	4.8	12	3.5	987
1,000 to 9,999 lb	932	7.8	63	24.4	76	21.3	1 183
10,000 to 49,999 lb	S	S	S	S	S	S	1 636
50,000 to 99,999 lb	S	S	S	S	S	S	1 592
100,000 lb or more	—	—	—	—	—	—	—
Pipeline²	3 640	100.0	16 103	100.0	S	S	S
Less than 50 lb	—	—	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	—	—	—	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	291	8.0	S	S	S	S	S
100,000 lb or more	3 161	86.8	15 302	95.0	S	S	S
Multiple modes	84 088	100.0	33 244	100.0	31 890	100.0	881
Less than 50 lb	48 336	57.5	1 489	4.5	1 280	4.0	893
50 to 99 lb	9 645	11.5	446	1.3	326	1.0	743
100 to 499 lb	14 968	17.8	692	2.1	450	1.4	662
500 to 749 lb	1 814	2.2	112	.3	51	.2	457
750 to 999 lb	714	.8	72	.2	31	.1	416
1,000 to 9,999 lb	1 910	2.3	489	1.5	352	1.1	S
10,000 to 49,999 lb	5 396	6.4	2 143	6.4	3 017	9.5	1 398
50,000 to 99,999 lb	S	S	437	1.3	S	S	1 244
100,000 lb or more	1 183	1.4	27 364	82.3	25 889	81.2	1 015
Parcel, U.S. Postal Service or courier	75 623	100.0	2 794	100.0	2 139	100.0	881
Less than 50 lb	48 332	63.9	1 488	53.3	1 280	59.8	893
50 to 99 lb	9 645	12.8	446	16.0	326	15.2	743
100 to 499 lb	14 964	19.8	687	24.6	450	21.0	663
500 to 749 lb	1 809	2.4	100	3.6	50	2.3	494
750 to 999 lb	704	.9	57	2.0	30	1.4	513
1,000 to 9,999 lb	169	.2	15	.5	4	.2	247
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	7 419	100.0	4 551	100.0	5 253	100.0	1 268
Less than 50 lb	S	S	S	S	S	S	186
50 to 99 lb	S	S	S	S	S	S	1 016
100 to 499 lb	3	—	—	—	1	—	1 322
500 to 749 lb	S	S	S	S	S	S	1 274
750 to 999 lb	S	S	S	S	S	S	720
1,000 to 9,999 lb	1 681	22.7	291	6.4	335	6.4	1 180
10,000 to 49,999 lb	5 356	72.2	2 057	45.2	2 937	55.9	1 432
50,000 to 99,999 lb	59	.8	175	3.8	101	1.9	557
100,000 lb or more	314	4.2	2 027	44.5	1 879	35.8	941
Truck and water	S	S	S	S	S	S	3 435
Less than 50 lb	S	S	S	S	S	S	827
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	6 520
500 to 749 lb	S	S	S	S	S	S	2 457
750 to 999 lb	S	S	S	S	S	S	3 847
1,000 to 9,999 lb	S	S	S	S	S	S	6 081
10,000 to 49,999 lb	S	S	S	S	S	S	6 104
50,000 to 99,999 lb	S	S	S	S	S	S	5 266
100,000 lb or more	S	S	S	S	S	S	1 335

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	740	100.0	24 333	100.0	22 659	100.0	1 411
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	740	100.0	24 333	100.0	22 659	100.0	1 411
Other multiple modes	S	S	S	S	26	100.0	S
Less than 50 lb	S	S	S	S	S	S	1 100
50 to 99 lb	S	S	S	S	S	S	77
100 to 499 lb	S	S	S	S	S	S	14
500 to 749 lb	S	S	S	S	S	S	15
750 to 999 lb	S	S	S	S	S	S	11
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	15	56.7	S
50,000 to 99,999 lb	S	S	S	S	S	S	44
100,000 lb or more	—	—	—	—	—	—	—
Other and unknown modes	18 527	100.0	51 713	100.0	8 428	100.0	93
Less than 50 lb	2 635	14.2	107	.2	11	.1	82
50 to 99 lb	661	3.6	90	.2	S	S	92
100 to 499 lb	1 631	8.8	334	.6	23	.3	65
500 to 749 lb	435	2.3	144	.3	15	.2	101
750 to 999 lb	200	1.1	85	.2	5	—	63
1,000 to 9,999 lb	6 354	34.3	2 770	5.4	498	5.9	173
10,000 to 49,999 lb	4 963	26.8	5 140	9.9	3 094	36.7	549
50,000 to 99,999 lb	463	2.5	2 399	4.6	343	4.1	138
100,000 lb or more	1 186	6.4	40 644	78.6	4 431	52.6	351

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	584 209	100.0	1 072 504	100.0	367 183	100.0	562
01	Live animals and live fish	1 660	.3	1 366	.1	227	—	224
02	Cereal grains	22 559	3.9	200 917	18.7	117 679	32.0	178
03	Other agricultural products	18 183	3.1	52 839	4.9	22 065	6.0	350
04	Animal feed and products of animal origin, n.e.c.	17 147	2.9	58 359	5.4	15 628	4.3	63
05	Meat, fish, seafood, and their preparations	38 108	6.5	17 497	1.6	11 963	3.3	273
06	Milled grain products and preparations, and bakery products	16 042	2.7	24 270	2.3	15 858	4.3	330
07	Other prepared foodstuffs and fats and oils	36 759	6.3	47 403	4.4	20 754	5.7	137
08	Alcoholic beverages	7 312	1.3	8 364	.8	2 957	.8	50
09	Tobacco products	2 208	.4	200	—	20	—	76
10	Monumental or building stone	476	—	1 289	.1	246	—	S
11	Natural sands	252	—	43 611	4.1	2 290	.6	37
12	Gravel and crushed stone	958	.2	172 184	16.1	15 017	4.1	38
13	Nonmetallic minerals n.e.c.	1 337	.2	13 556	1.3	4 082	1.1	235
14	Metallic ores and concentrates	1 898	.3	49 744	4.6	37 441	10.2	448
15	Coal	337	—	34 826	3.2	564	.2	S
17	Gasoline and aviation turbine fuel	10 298	1.8	40 805	3.8	5 029	1.4	33
18	Fuel oils	4 951	.8	22 552	2.1	S	S	24
19	Coal and petroleum products, n.e.c.	5 383	.9	34 738	3.2	6 293	1.7	67
20	Basic chemicals	4 501	.8	15 151	1.4	12 329	3.4	292
21	Pharmaceutical products	17 329	3.0	861	—	497	.1	447
22	Fertilizers	3 652	.6	16 181	1.5	2 344	.6	133
23	Chemical products and preparations, n.e.c.	20 395	3.5	8 976	.8	4 316	1.2	306
24	Plastics and rubber	18 550	3.2	6 541	.6	3 442	.9	565
25	Logs and other wood in the rough	161	—	S	S	S	S	S
26	Wood products	9 874	1.7	12 757	1.2	4 441	1.2	527
27	Pulp, newsprint, paper, and paperboard	5 701	1.0	5 616	.5	2 719	.7	188
28	Paper or paperboard articles	7 781	1.3	4 759	.4	1 571	.4	380
29	Printed products	23 204	4.0	5 698	.5	2 836	.8	747
30	Textiles, leather, and articles of textiles or leather	13 506	2.3	1 335	.1	832	.2	979
31	Nonmetallic mineral products	8 375	1.4	75 016	7.0	9 754	2.7	425
32	Base metal in primary or semifinished forms and in finished basic shapes	14 876	2.5	16 139	1.5	6 995	1.9	353
33	Articles of base metal	16 662	2.9	12 957	1.2	S	S	439
34	Machinery	36 494	6.2	4 816	.4	2 911	.8	372
35	Electronic and other electrical equipment and components and office equipment	49 296	8.4	3 095	.3	2 221	.6	710
36	Motorized and other vehicles (including parts)	59 712	10.2	8 944	.8	5 948	1.6	306
37	Transportation equipment, n.e.c.	10 408	1.8	438	—	410	.1	894
38	Precision instruments and apparatus	14 110	2.4	371	—	291	—	728
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	6 476	1.1	1 909	.2	1 128	.3	1 054
40	Miscellaneous manufactured products	34 203	5.9	6 062	.6	3 229	.9	876
41	Waste and scrap	2 179	.4	18 506	1.7	4 395	1.2	205
43	Mixed freight	17 240	3.0	12 318	1.1	S	S	291
--	Commodity unknown	3 655	.6	6 945	.6	S	S	468

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	584 209	100.0	1 072 504	100.0	367 183	100.0	562
010	Live animals and live fish	1 660	.3	1 366	.1	227	—	224
021	Wheat	6 978	1.2	53 610	5.0	27 026	7.4	260
022	Corn, except sweet	12 037	2.1	122 406	11.4	74 802	20.4	112
029	Other cereal grains	3 544	.6	24 900	2.3	15 851	4.3	327
031	Fresh or chilled potatoes (Irish potatoes), except sweet	461	—	S	S	S	S	154
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	S	S	S	S	465	.1	406
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	88
034	Soya beans	10 702	1.8	43 240	4.0	19 401	5.3	86
035	Oil seeds and nuts, except olives and soya beans	981	.2	2 753	.3	1 035	.3	433
036	Bulbs, live plants, and seeds for sowing, n.e.c.	586	.1	356	—	78	—	664
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	645	.1	781	—	112	—	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	4 541	.8	18 046	1.7	7 298	2.0	189
042	Animal feed preparations	12 606	2.2	40 313	3.8	8 330	2.3	54
051	Meat including poultry, except preparations	36 733	6.3	16 830	1.6	11 527	3.1	339
052	Fish, except live, and seafood, except preparations	402	—	65	—	14	—	S
053	Preparations, extracts, and juices of meat, fish, or seafood	973	.2	602	—	423	.1	468
061	Wheat flour, groats, and meal	2 083	.4	8 912	.8	5 431	1.5	353
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	2 194	.4	7 500	.7	6 463	1.8	486
063	Food preparations of cereals, flour, starch, or milk	5 497	.9	4 345	.4	2 419	.7	548
064	Bakery products	6 267	1.1	3 513	.3	1 544	.4	130
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	10 184	1.7	9 077	.8	2 135	.6	94
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	6 248	1.1	3 813	.4	1 679	.5	79
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	1 232	.2	367	—	107	—	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	4 532	.8	10 790	1.0	6 555	1.8	330
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	2 095	.4	7 666	.7	6 907	1.9	482
076	Confectionery, cocoa, and cocoa preparations	1 394	.2	552	—	328	—	443
077	Edible preparations, n.e.c. and vinegar	5 357	.9	2 903	.3	1 568	.4	336
078	Nonalcoholic beverages, n.e.c. and ice	5 716	1.0	12 236	1.1	1 477	.4	41
081	Malt Beer	4 548	.8	5 596	.5	1 311	.4	40
082	Wine and other fermented beverages	358	—	150	—	9	—	57
083	Spirituos beverages and ethyl alcohol	2 406	.4	2 618	.2	1 637	.4	95
090	Tobacco products	2 208	.4	200	—	20	—	76
100	Monumental or building stone, except dolomite	476	—	1 289	.1	246	—	S
110	Natural sands, except metal-bearing	252	—	43 611	4.1	2 290	.6	37
120	Gravel and crushed stone, except dolomite and slate	958	.2	172 184	16.1	15 017	4.1	38
131	Salt	S	S	4 533	.4	1 854	.5	84
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	246
133	Dolomite	41	—	S	S	146	—	S
139	Other nonmetallic minerals	281	—	5 074	.5	1 994	.5	477
141	Iron ores and concentrates	1 501	.3	47 673	4.4	37 263	10.1	751
149	Other metallic ores and concentrates	398	—	2 071	.2	178	—	277
151	Nonagglomerated bituminous coal	29	—	706	—	46	—	62
159	Other coal	308	—	34 120	3.2	517	.1	S
171	Gasoline	9 179	1.6	34 566	3.2	3 968	1.1	32
172	Aviation turbine fuel (types A and B)	S	S	S	S	S	S	336
180	Fuel oils	4 951	.8	22 552	2.1	S	S	24
191	Lubricating oils and greases	1 355	.2	1 312	.1	228	—	101
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	309	—	S	S	S	S	78
193	Gaseous hydrocarbons	1 437	.2	4 868	.5	409	.1	20
199	Other products of petroleum refining, and coal products	2 282	.4	27 778	2.6	5 017	1.4	107
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	230	—	916	—	290	—	255
202	Inorganic chemicals, n.e.c.	2 560	.4	13 144	1.2	11 527	3.1	241
203	Cyclic hydrocarbons	S	S	63	—	S	S	327
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	324	—	274	—	86	—	572
205	Organic chemicals, n.e.c.	1 320	.2	753	—	402	.1	480
210	Pharmaceutical products	17 329	3.0	861	—	497	.1	447
220	Fertilizers and fertilizer materials	3 652	.6	16 181	1.5	2 344	.6	133
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	2 326	.4	843	—	604	.2	355
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	3 547	.6	929	—	704	.2	396
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	3 811	.7	4 663	.4	2 101	.6	445
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	973	.2	139	—	S	S	263
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	8 020	1.4	1 403	.1	444	.1	109
239	Other chemical products and preparations	1 719	.3	999	—	380	.1	221
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	1 615	.3	914	—	612	.2	492
242	Manmade fibers and plastics basic shapes and articles	11 522	2.0	4 083	.4	1 880	.5	675

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	5 413	.9	1 544	.1	950	.3	268
250	Logs and other wood in the rough	161	—	S	S	S	S	S
261	Wood chips or particles	71	—	1 885	.2	S	S	217
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	3 260	.6	5 360	.5	1 078	.3	474
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	1 519	.3	3 212	.3	1 742	.5	716
264	Builders' joinery and carpentry of wood, except shingles and shakes	4 139	.7	1 020	.1	549	.1	255
269	Other wood products	886	.2	1 281	.1	230	—	753
271	Pulp of fibrous cellulosic materials	S	S	S	S	S	S	150
272	Newsprint in large rolls or sheets	S	S	S	S	S	S	101
273	Uncoated paper and paperboard in large rolls or sheets	2 809	.5	3 445	.3	1 420	.4	92
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	2 771	.5	1 926	.2	1 269	.3	406
280	Paper or paperboard articles	7 781	1.3	4 759	.4	1 571	.4	380
291	Printed books, brochures, leaflets, and similar printed products	9 582	1.6	1 915	.2	1 048	.3	1 065
292	Newspapers, journals, and periodicals	2 898	.5	1 080	.1	258	—	170
293	Advertising material, commercial or trade catalogues, and similar printed products	3 546	.6	1 432	.1	755	.2	758
299	Other printed products	7 179	1.2	1 271	.1	774	.2	496
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	474	—	S	S	S	S	474
302	Textile clothing and accessories, and headgear, except safety	6 640	1.1	422	—	179	—	895
303	Textiles and textile articles, n.e.c.	2 533	.4	327	—	167	—	1 124
304	Footwear	S	S	S	S	S	S	1 025
305	Leather and articles, luggage of related materials, and dressed furskins and articles	752	.1	108	—	92	—	943
311	Hydraulic cements	1 172	.2	17 745	1.7	1 747	.5	61
312	Ceramic products	930	.2	1 616	.2	712	.2	619
313	Glass and glass products	1 772	.3	1 499	.1	771	.2	753
319	Other nonmetallic mineral products	4 502	.8	54 155	5.0	6 525	1.8	104
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	1 119	.2	S	S	S	S	316
322	Flat-rolled products of iron or steel	3 388	.6	4 845	.5	849	.2	210
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	4 571	.8	6 176	.6	1 846	.5	377
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	5 799	1.0	2 893	.3	1 856	.5	453
331	Pipes, tubes, and fittings	3 687	.6	S	S	S	S	207
332	Structures and parts, except prefabricated buildings	3 697	.6	1 742	.2	801	.2	316
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	5 393	.9	852	—	454	.1	484
339	Other articles of metal	3 885	.7	2 183	.2	942	.3	608
341	Internal-combustion piston engines	3 493	.6	343	—	152	—	254
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	1 447	.2	119	—	100	—	367
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	3 973	.7	350	—	206	—	521
344	Air-conditioning, refrigerating, or freezing equipment	3 674	.6	595	—	495	.1	524
345	Materials-handling, excavating, boring, and related machinery and equipment	5 278	.9	772	—	526	.1	440
349	Other machinery	18 629	3.2	2 637	.2	1 433	.4	352
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	3 738	.6	544	—	491	.1	591
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	1 057	.2	165	—	88	—	975
353	Line telephone or telegraph apparatus	2 075	.4	73	—	64	—	872
354	Electronic entertainment products, except parts	1 431	.2	93	—	84	—	1 167
355	Computer and office equipment	16 434	2.8	282	—	230	—	960
356	Prepared unrecorded or prerecorded media	3 207	.5	22	—	25	—	1 084
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	1 160	.2	9	—	9	—	1 075
358	Electronic components and parts	5 473	.9	52	—	40	—	825
359	Other electronic and electrical equipment	14 720	2.5	1 856	.2	1 189	.3	383
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	22 213	3.8	2 876	.3	3 056	.8	910
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	3 612	.6	612	—	304	—	452
363	Other vehicles	18 024	3.1	2 749	.3	1 446	.4	591
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	15 863	2.7	2 707	.3	1 142	.3	236
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	843	.1	196	—	112	—	762
372	Aircraft and spacecraft	7 927	1.4	S	S	S	S	993
373	Ships, boats, and floating structures	1 637	.3	132	—	108	—	726
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	421	—	S	S	6	—	840
382	Photographic and photocopying machines	1 512	.3	61	—	S	S	619
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	610	.1	S	S	S	S	1 036
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	7 752	1.3	185	—	171	—	891
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	3 815	.7	102	—	72	—	416

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	6 476	1.1	1 909	.2	1 128	.3	1 054
401	Arms and ammunition	S	S	124	—	116	—	950
402	Toys, games, and sporting equipment	3 583	.6	340	—	287	—	1 035
409	Miscellaneous manufactured products	27 421	4.7	5 598	.5	2 827	.8	823
411	Metallic waste and scrap	1 808	.3	13 327	1.2	2 993	.8	114
412	Nonmetallic waste and scrap, except from food processing	371	—	5 179	.5	1 403	.4	324
439	Mixed freight	17 240	3.0	12 318	1.1	S	S	291
—	Commodity unknown	3 655	.6	6 945	.6	S	S	468

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 160, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	584 209	100.0	1 072 504	100.0	367 183	100.0	562
Single modes	481 594	82.4	987 547	92.1	326 864	89.0	193
Truck ¹	415 405	71.1	724 875	67.6	115 643	31.5	135
For-hire truck	249 769	42.8	317 751	29.6	89 015	24.2	372
Private truck	161 055	27.6	401 335	37.4	25 812	7.0	55
Rail	46 645	8.0	204 516	19.1	169 085	46.0	821
Water	3 878	.7	41 794	3.9	39 713	10.8	1 061
Shallow draft	3 685	.6	37 511	3.5	37 497	10.2	1 066
Great Lakes	171	—	S	S	S	S	565
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	12 026	2.1	259	—	357	.1	1 386
Pipeline ²	3 640	.6	16 103	1.5	S	S	S
Multiple modes	84 088	14.4	33 244	3.1	31 890	8.7	881
Parcel, U.S. Postal Service or courier	75 623	12.9	2 794	.3	2 139	.6	881
Truck and rail	7 419	1.3	4 551	.4	5 253	1.4	1 268
Truck and water	S	S	S	S	S	S	3 435
Rail and water	740	.1	24 333	2.3	22 659	6.2	1 411
Other multiple modes	S	S	S	S	26	—	S
Other and unknown modes	18 527	3.2	51 713	4.8	8 428	2.3	93
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	1 660	100.0	1 366	100.0	227	100.0	224
Single modes	1 613	97.2	1 337	97.9	216	95.2	224
Truck ¹	1 605	96.7	1 337	97.9	216	95.1	192
For-hire truck	851	51.3	769	56.3	154	67.7	200
Private truck	754	45.4	S	S	S	S	191
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 732
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	171
SCTG 02, CEREAL GRAINS							
Total	22 559	100.0	200 917	100.0	117 679	100.0	178
Single modes	22 075	97.9	197 294	98.2	114 977	97.7	178
Truck ¹	10 228	45.3	89 832	44.7	10 142	8.6	122
For-hire truck	7 008	31.1	58 788	29.3	8 264	7.0	186
Private truck	3 216	14.3	30 999	15.4	1 872	1.6	52
Rail	10 173	45.1	91 119	45.4	85 004	72.2	753
Water	1 670	7.4	16 304	8.1	19 822	16.8	1 263
Shallow draft	1 603	7.1	15 738	7.8	19 821	16.8	1 268
Great Lakes	S	S	S	S	S	S	1
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	944
Parcel, U.S. Postal Service or courier	S	S	S	S	—	—	329
Truck and rail	S	S	S	S	S	S	874
Truck and water	S	S	S	S	S	S	4 721
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	407	1.8	2 813	1.4	S	S	S

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	18 183	100.0	52 839	100.0	22 065	100.0	350
Single modes	17 531	96.4	51 191	96.9	20 883	94.6	82
Truck ¹	13 700	75.3	35 913	68.0	4 077	18.5	78
For-hire truck	5 321	29.3	17 975	34.0	2 803	12.7	120
Private truck	8 320	45.8	17 701	33.5	1 263	5.7	64
Rail	2 166	11.9	8 617	16.3	8 408	38.1	599
Water	1 665	9.2	6 661	12.6	8 398	38.1	1 269
Shallow draft	1 665	9.2	6 661	12.6	8 398	38.1	1 269
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 766
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	188	1.0	S	S	S	S	857
Parcel, U.S. Postal Service or courier	89	.5	8	—	5	—	857
Truck and rail	S	S	S	S	S	S	1 045
Truck and water	S	S	S	S	S	S	1 461
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	465	2.6	S	S	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	17 147	100.0	58 359	100.0	15 628	100.0	63
Single modes	16 361	95.4	56 296	96.5	13 662	87.4	59
Truck ¹	14 954	87.2	49 943	85.6	7 583	48.5	53
For-hire truck	7 394	43.1	18 107	31.0	5 616	35.9	268
Private truck	7 476	43.6	31 375	53.8	1 889	12.1	28
Rail	1 403	8.2	6 317	10.8	6 044	38.7	979
Water	S	S	S	S	S	S	1 277
Shallow draft	S	S	S	S	S	S	1 277
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 005
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	513	3.0	1 076	1.8	1 644	10.5	791
Parcel, U.S. Postal Service or courier	15	—	2	—	1	—	477
Truck and rail	473	2.8	867	1.5	1 303	8.3	1 476
Truck and water	—	—	—	—	—	—	—
Rail and water	25	.1	206	.4	334	2.1	1 604
Other multiple modes	S	S	S	S	S	S	4 280
Other and unknown modes	273	1.6	987	1.7	322	2.1	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	38 108	100.0	17 497	100.0	11 963	100.0	273
Single modes	37 746	99.0	17 345	99.1	11 827	98.9	264
Truck ¹	36 995	97.1	16 921	96.7	11 182	93.5	259
For-hire truck	29 439	77.3	13 238	75.7	10 146	84.8	788
Private truck	7 520	19.7	3 664	20.9	1 016	8.5	81
Rail	739	1.9	420	2.4	644	5.4	1 793
Water	S	S	S	S	S	S	9
Shallow draft	S	S	S	S	S	S	9
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 358
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	52	.1	18	.1	S	S	965
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	952
Truck and rail	S	S	S	S	S	S	2 076
Truck and water	S	S	S	S	S	S	4 532
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	311	.8	133	.8	97	.8	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	16 042	100.0	24 270	100.0	15 858	100.0	330
Single modes	15 184	94.7	23 525	96.9	15 197	95.8	202
Truck ¹	13 150	82.0	14 711	60.6	6 471	40.8	184
For-hire truck	8 911	55.6	10 354	42.7	5 589	35.2	547
Private truck	4 229	26.4	4 341	17.9	872	5.5	108
Rail	1 957	12.2	8 156	33.6	7 982	50.3	962
Water	S	S	S	S	S	S	1 235
Shallow draft	S	S	S	S	S	S	1 235
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	—	—	—	—	846
Pipeline ²	15	—	55	.2	S	S	S
Multiple modes	S	S	344	1.4	334	2.1	692
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	690
Truck and rail	125	.8	331	1.4	326	2.1	1 005
Truck and water	S	S	S	S	S	S	1 180
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	409	2.5	401	1.7	328	2.1	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	36 759	100.0	47 403	100.0	20 754	100.0	137
Single modes	35 757	97.3	46 309	97.7	19 922	96.0	93
Truck ¹	31 977	87.0	35 614	75.1	8 813	42.5	87
For-hire truck	15 462	42.1	17 145	36.2	6 376	30.7	396
Private truck	16 273	44.3	18 268	38.5	2 402	11.6	61
Rail	3 756	10.2	10 657	22.5	11 043	53.2	1 030
Water	S	S	S	S	S	S	1 619
Shallow draft	S	S	S	S	S	S	1 619
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 454
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	296	.8	S	S	S	S	811
Parcel, U.S. Postal Service or courier	S	S	18	—	9	—	809
Truck and rail	171	.5	S	S	S	S	1 198
Truck and water	S	S	S	S	S	S	2 573
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	7 312	100.0	8 364	100.0	2 957	100.0	50
Single modes	7 128	97.5	8 001	95.7	2 813	95.1	49
Truck ¹	6 087	83.2	6 592	78.8	1 451	49.1	47
For-hire truck	1 840	25.2	2 341	28.0	996	33.7	199
Private truck	4 224	57.8	4 230	50.6	455	15.4	40
Rail	1 041	14.2	1 409	16.8	1 362	46.1	906
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	17	.2	S	S	S	S	844
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	874
Truck and rail	S	S	S	S	S	S	804
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	4 611
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	2 208	100.0	200	100.0	20	100.0	76
Single modes	2 203	99.8	199	99.9	20	99.7	75
Truck ¹	2 203	99.8	199	99.9	20	99.7	75
For-hire truck	S	S	S	S	S	S	S
Private truck	1 737	78.6	174	87.0	17	83.7	71
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	4	.2	—	—	S	S	413
Parcel, U.S. Postal Service or courier	3	.2	—	—	S	S	573
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	43
Other and unknown modes	S	S	S	S	S	S	72
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	476	100.0	1 289	100.0	246	100.0	S
Single modes	465	97.6	1 278	99.2	246	100.0	S
Truck ¹	460	96.6	1 254	97.3	207	84.2	S
For-hire truck	190	40.0	182	14.1	123	50.0	789
Private truck	S	S	1 072	83.2	S	S	54
Rail	S	S	S	S	S	S	1 590
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	4
SCTG 11, NATURAL SANDS							
Total	252	100.0	43 611	100.0	2 290	100.0	37
Single modes	242	96.0	43 075	98.8	2 201	96.1	36
Truck ¹	206	81.9	41 964	96.2	1 472	64.3	32
For-hire truck	48	18.9	10 221	23.4	667	29.1	62
Private truck	159	63.0	31 742	72.8	805	35.2	25
Rail	S	S	S	S	S	S	674
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	471
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	201
Truck and rail	S	S	S	S	S	S	1 822
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	65

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	958	100.0	172 184	100.0	15 017	100.0	38
Single modes	912	95.2	169 533	98.5	14 353	95.6	37
Truck ¹	827	86.3	151 512	88.0	5 890	39.2	35
For-hire truck	246	25.7	46 535	27.0	1 910	12.7	26
Private truck	568	59.3	102 550	59.6	3 931	26.2	40
Rail	52	5.4	7 231	4.2	2 152	14.3	343
Water	34	3.5	10 789	6.3	6 312	42.0	645
Shallow draft	34	3.5	10 789	6.3	6 312	42.0	645
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	878	.5	S	S	705
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	97
Truck and rail	S	S	877	.5	S	S	712
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	10	1.0	S	S	S	S	S
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	1 337	100.0	13 556	100.0	4 082	100.0	235
Single modes	S	S	12 779	94.3	3 807	93.3	97
Truck ¹	S	S	10 233	75.5	1 383	33.9	72
For-hire truck	250	18.7	4 615	34.0	920	22.5	205
Private truck	S	S	4 998	36.9	376	9.2	45
Rail	78	5.8	2 463	18.2	2 412	59.1	1 051
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 024
Pipeline ²	11	.8	71	.5	S	S	S
Multiple modes	10	.8	272	2.0	149	3.7	965
Parcel, U.S. Postal Service or courier	S	S	1	—	S	S	969
Truck and rail	4	.3	271	2.0	149	3.7	709
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	1 898	100.0	49 744	100.0	37 441	100.0	448
Single modes	1 069	56.3	25 593	51.4	15 114	40.4	429
Truck ¹	248	13.1	1 863	3.7	S	S	424
For-hire truck	239	12.6	1 846	3.7	S	S	557
Private truck	S	S	S	S	S	S	47
Rail	693	36.5	19 992	40.2	12 510	33.4	300
Water	S	S	S	S	S	S	607
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	747
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	S	S	S	S	S	S	1 465
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	807	42.5	24 127	48.5	22 325	59.6	1 014
Parcel, U.S. Postal Service or courier	92	4.8	S	S	S	S	1 023
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	715	37.7	24 127	48.5	22 325	59.6	913
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	27

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	337	100.0	34 826	100.0	564	100.0	S
Single modes	52	15.3	752	2.2	72	12.8	116
Truck ¹	51	15.2	751	2.2	71	12.6	115
For-hire truck	48	14.3	743	2.1	69	12.2	S
Private truck	S	S	S	S	S	S	261
Rail	S	S	S	S	S	S	1 001
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	586
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	586
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	285	84.7	34 075	97.8	492	87.2	20
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	10 298	100.0	40 805	100.0	5 029	100.0	33
Single modes	10 096	98.0	40 226	98.6	5 006	99.5	36
Truck ¹	7 451	72.4	27 495	67.4	1 614	32.1	31
For-hire truck	2 394	23.2	9 692	23.8	730	14.5	59
Private truck	5 026	48.8	17 709	43.4	880	17.5	26
Rail	S	S	S	S	S	S	1 459
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 762
Pipeline ²	2 397	23.3	11 657	28.6	S	S	S
Multiple modes	S	S	S	S	S	S	16
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	16
Other and unknown modes	S	S	S	S	S	S	S
SCTG 18, FUEL OILS							
Total	4 951	100.0	22 552	100.0	S	S	24
Single modes	4 787	96.7	21 890	97.1	S	S	25
Truck ¹	3 823	77.2	17 041	75.6	799	30.9	22
For-hire truck	828	16.7	4 492	19.9	407	15.7	50
Private truck	2 907	58.7	12 328	54.7	379	14.7	20
Rail	S	S	S	S	S	S	736
Water	S	S	S	S	S	S	136
Shallow draft	S	S	S	S	S	S	136
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	692	14.0	2 439	10.8	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	59
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	13
Other and unknown modes	S	S	S	S	10	.4	18

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	5 383	100.0	34 738	100.0	6 293	100.0	67
Single modes	5 290	98.3	34 466	99.2	6 265	99.6	60
Truck ¹	3 714	69.0	17 730	51.0	1 433	22.8	53
For-hire truck	1 269	23.6	6 962	20.0	840	13.4	178
Private truck	2 438	45.3	10 687	30.8	584	9.3	31
Rail	S	S	14 230	41.0	4 032	64.1	284
Water	S	S	S	S	S	S	399
Shallow draft	S	S	S	S	S	S	399
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	831
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	52	1.0	S	S	5	—	277
Parcel, U.S. Postal Service or courier	27	.5	5	—	2	—	386
Truck and rail	S	S	S	S	S	S	693
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	14
Other and unknown modes	41	.8	202	.6	S	S	S
SCTG 20, BASIC CHEMICALS							
Total	4 501	100.0	15 151	100.0	12 329	100.0	292
Single modes	4 079	90.6	15 025	99.2	12 215	99.1	278
Truck ¹	3 222	71.6	6 158	40.6	2 939	23.8	123
For-hire truck	2 246	49.9	4 117	27.2	2 721	22.1	556
Private truck	914	20.3	1 930	12.7	191	1.5	37
Rail	643	14.3	8 150	53.8	8 601	69.8	1 029
Water	S	S	S	S	S	S	1 029
Shallow draft	S	S	S	S	S	S	1 029
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	146	3.3	S	S	S	S	1 312
Pipeline ²	36	.8	65	.4	S	S	S
Multiple modes	320	7.1	S	S	S	S	506
Parcel, U.S. Postal Service or courier	154	3.4	5	—	2	—	501
Truck and rail	S	S	S	S	S	S	1 221
Truck and water	S	S	S	S	S	S	945
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	102	2.3	55	.4	S	S	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	17 329	100.0	861	100.0	497	100.0	447
Single modes	10 595	61.1	736	85.5	449	90.3	422
Truck ¹	9 930	57.3	728	84.5	439	88.2	188
For-hire truck	7 873	45.4	574	66.6	405	81.6	314
Private truck	1 885	10.9	153	17.8	32	6.5	79
Rail	S	S	S	S	S	S	266
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	659	3.8	8	.9	10	1.9	1 407
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	6 475	37.4	117	13.6	45	9.1	461
Parcel, U.S. Postal Service or courier	6 441	37.2	114	13.2	43	8.6	461
Truck and rail	34	.2	3	.4	3	.6	844
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	165

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	3 652	100.0	16 181	100.0	2 344	100.0	133
Single modes	3 483	95.4	15 512	95.9	2 278	97.2	40
Truck ¹	3 198	87.6	13 548	83.7	1 086	46.4	35
For-hire truck	810	22.2	3 866	23.9	630	26.9	92
Private truck	2 382	65.2	9 679	59.8	455	19.4	24
Rail	265	7.3	1 773	11.0	1 187	50.7	648
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	912
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	1 148
Parcel, U.S. Postal Service or courier	S	S	1	—	1	—	1 148
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	370
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	154	4.2	562	3.5	26	1.1	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	20 395	100.0	8 976	100.0	4 316	100.0	306
Single modes	18 970	93.0	8 494	94.6	3 931	91.1	175
Truck ¹	17 919	87.9	7 926	88.3	3 360	77.9	167
For-hire truck	11 871	58.2	6 279	70.0	2 959	68.6	409
Private truck	5 892	28.9	1 521	16.9	285	6.6	64
Rail	S	S	566	6.3	569	13.2	984
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	9	—	1	—	2	—	1 493
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	995	4.9	266	3.0	334	7.7	566
Parcel, U.S. Postal Service or courier	754	3.7	65	.7	27	.6	564
Truck and rail	240	1.2	201	2.2	306	7.1	1 526
Truck and water	S	S	S	S	S	S	3 741
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	430	2.1	S	S	S	S	S
SCTG 24, PLASTICS AND RUBBER							
Total	18 550	100.0	6 541	100.0	3 442	100.0	565
Single modes	15 648	84.4	6 118	93.5	3 171	92.1	196
Truck ¹	14 762	79.6	5 490	83.9	2 587	75.2	177
For-hire truck	10 856	58.5	4 329	66.2	2 384	69.3	456
Private truck	3 895	21.0	1 157	17.7	200	5.8	70
Rail	799	4.3	622	9.5	578	16.8	973
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	87	.5	5	—	6	.2	1 416
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 991	10.7	171	2.6	153	4.4	870
Parcel, U.S. Postal Service or courier	1 908	10.3	122	1.9	87	2.5	869
Truck and rail	83	.4	S	S	S	S	1 487
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	910	4.9	252	3.9	118	3.4	54

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	161	100.0	S	S	S	S	S
Single modes	157	97.3	S	S	S	S	67
Truck ¹	150	93.0	S	S	S	S	65
For-hire truck	79	49.3	S	S	S	S	117
Private truck	70	43.6	S	S	S	S	53
Rail	S	S	S	S	S	S	924
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 045
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 042
Truck and rail	S	S	S	S	S	S	1 950
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	—	—	11
SCTG 26, WOOD PRODUCTS							
Total	9 874	100.0	12 757	100.0	4 441	100.0	527
Single modes	9 493	96.1	11 929	93.5	3 604	81.2	139
Truck ¹	9 288	94.1	11 212	87.9	2 371	53.4	134
For-hire truck	5 054	51.2	5 204	40.8	1 740	39.2	400
Private truck	4 197	42.5	5 960	46.7	628	14.1	76
Rail	205	2.1	717	5.6	1 233	27.8	1 709
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	S	S	1 597
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	199	2.0	43	.3	S	S	1 040
Parcel, U.S. Postal Service or courier	165	1.7	S	S	S	S	1 040
Truck and rail	34	.3	16	.1	20	.5	1 341
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	182	1.8	S	S	S	S	159
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	5 701	100.0	5 616	100.0	2 719	100.0	188
Single modes	5 246	92.0	5 188	92.4	2 441	89.8	99
Truck ¹	4 402	77.2	4 170	74.2	1 347	49.5	90
For-hire truck	2 356	41.3	2 512	44.7	1 215	44.7	218
Private truck	1 901	33.3	1 573	28.0	97	3.6	45
Rail	809	14.2	995	17.7	1 057	38.9	1 083
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	35	.6	S	S	S	S	1 034
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	341	6.0	159	2.8	S	S	521
Parcel, U.S. Postal Service or courier	185	3.2	32	.6	7	.3	518
Truck and rail	S	S	S	S	S	S	1 554
Truck and water	S	S	S	S	S	S	494
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	114	2.0	270	4.8	83	3.0	68

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	7 781	100.0	4 759	100.0	1 571	100.0	380
Single modes	7 222	92.8	4 631	97.3	1 506	95.9	153
Truck ¹	7 202	92.6	4 578	96.2	1 461	93.0	138
For-hire truck	5 103	65.6	3 107	65.3	1 280	81.5	389
Private truck	2 099	27.0	1 471	30.9	181	11.5	49
Rail	S	S	S	S	S	S	837
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	14	.2	1	—	1	—	1 243
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	389	5.0	37	.8	36	2.3	854
Parcel, U.S. Postal Service or courier	376	4.8	31	.7	25	1.6	854
Truck and rail	S	S	S	S	S	S	1 762
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	171	2.2	90	1.9	28	1.8	51
SCTG 29, PRINTED PRODUCTS							
Total	23 204	100.0	5 698	100.0	2 836	100.0	747
Single modes	14 105	60.8	5 011	87.9	2 302	81.2	157
Truck ¹	13 563	58.4	4 978	87.4	2 257	79.6	98
For-hire truck	9 686	41.7	3 993	70.1	2 183	77.0	S
Private truck	3 806	16.4	953	16.7	69	2.4	S
Rail	S	S	S	S	S	S	1 611
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	514	2.2	30	.5	40	1.4	1 269
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	8 092	34.9	527	9.3	482	17.0	933
Parcel, U.S. Postal Service or courier	8 012	34.5	496	8.7	430	15.1	933
Truck and rail	79	.3	30	.5	47	1.7	1 548
Truck and water	S	S	S	S	S	S	2 045
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 008	4.3	160	2.8	52	1.8	146
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	13 506	100.0	1 335	100.0	832	100.0	979
Single modes	8 142	60.3	1 073	80.4	593	71.2	611
Truck ¹	8 039	59.5	1 071	80.2	589	70.8	332
For-hire truck	5 316	39.4	680	51.0	S	S	571
Private truck	2 719	20.1	390	29.2	S	S	110
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	103	.8	2	.2	3	.4	1 356
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	5 051	37.4	211	15.8	193	23.2	1 020
Parcel, U.S. Postal Service or courier	5 048	37.4	208	15.6	188	22.5	1 020
Truck and rail	S	S	S	S	S	S	2 185
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	313	2.3	51	3.8	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	8 375	100.0	75 016	100.0	9 754	100.0	425
Single modes	7 854	93.8	72 116	96.1	7 112	72.9	114
Truck ¹	7 575	90.4	68 512	91.3	5 837	59.8	101
For-hire truck	3 711	44.3	19 543	26.1	3 894	39.9	286
Private truck	3 578	42.7	48 413	64.5	1 790	18.4	53
Rail	161	1.9	2 019	2.7	782	8.0	434
Water	S	S	S	S	S	S	316
Shallow draft	S	S	S	S	S	S	316
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	1	—	1	—	1 031
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	377	4.5	311	.4	S	S	965
Parcel, U.S. Postal Service or courier	230	2.7	60	—	53	.5	964
Truck and rail	S	S	S	S	S	S	1 655
Truck and water	S	S	S	S	S	S	4 487
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	145	1.7	S	S	S	S	253
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	14 876	100.0	16 139	100.0	6 995	100.0	353
Single modes	14 097	94.8	15 882	98.4	6 880	98.3	158
Truck ¹	13 352	89.8	12 690	78.6	3 295	47.1	152
For-hire truck	7 470	50.2	6 494	40.2	2 558	36.6	340
Private truck	5 768	38.8	6 019	37.3	716	10.2	92
Rail	713	4.8	S	S	S	S	849
Water	S	S	S	S	S	S	456
Shallow draft	S	S	S	S	S	S	456
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	27	.2	S	S	S	S	1 476
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	541	3.6	58	.4	38	.5	919
Parcel, U.S. Postal Service or courier	391	2.6	25	.2	13	.2	919
Truck and rail	S	S	S	S	S	S	757
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 273
Other and unknown modes	238	1.6	199	1.2	78	1.1	S
SCTG 33, ARTICLES OF BASE METAL							
Total	16 662	100.0	12 957	100.0	S	S	439
Single modes	13 120	78.7	12 284	94.8	S	S	221
Truck ¹	12 930	77.6	12 147	93.7	S	S	204
For-hire truck	8 590	51.6	S	S	S	S	544
Private truck	4 329	26.0	2 264	17.5	405	5.5	62
Rail	111	.7	127	1.0	189	2.6	1 528
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	79	.5	S	S	S	S	1 557
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 845	17.1	171	1.3	153	2.1	658
Parcel, U.S. Postal Service or courier	2 795	16.8	132	1.0	79	1.1	657
Truck and rail	48	.3	38	.3	68	.9	1 941
Truck and water	S	S	S	S	S	S	4 506
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	4 477
Other and unknown modes	697	4.2	502	3.9	S	S	64

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	36 494	100.0	4 816	100.0	2 911	100.0	372
Single modes	29 930	82.0	4 454	92.5	2 668	91.6	281
Truck ¹	28 666	78.5	4 339	90.1	2 516	86.4	224
For-hire truck	20 354	55.8	2 962	61.5	2 145	73.7	652
Private truck	7 782	21.3	1 261	26.2	268	9.2	50
Rail	537	1.5	98	2.0	135	4.6	1 271
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	726	2.0	16	.3	17	.6	1 196
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	5 277	14.5	236	4.9	211	7.2	494
Parcel, U.S. Postal Service or courier	4 903	13.4	177	3.7	98	3.4	494
Truck and rail	371	1.0	59	1.2	104	3.6	1 555
Truck and water	S	S	S	S	S	S	6 639
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 287	3.5	126	2.6	33	1.1	S
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	49 296	100.0	3 095	100.0	2 221	100.0	710
Single modes	26 360	53.5	2 564	82.8	1 826	82.2	371
Truck ¹	22 532	45.7	2 500	80.8	1 729	77.8	188
For-hire truck	14 362	29.1	1 734	56.0	1 525	68.7	676
Private truck	6 154	12.5	762	24.6	200	9.0	49
Rail	59	.1	26	.8	45	2.0	854
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	3 770	7.6	38	1.2	52	2.3	1 415
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	20 984	42.6	433	14.0	370	16.7	925
Parcel, U.S. Postal Service or courier	20 910	42.4	418	13.5	351	15.8	925
Truck and rail	71	.1	15	.5	19	.9	1 035
Truck and water	S	S	S	S	S	S	708
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 952	4.0	99	3.2	26	1.1	60
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	59 712	100.0	8 944	100.0	5 948	100.0	306
Single modes	46 728	78.3	7 472	83.5	4 679	78.7	132
Truck ¹	31 885	53.4	5 799	64.8	2 805	47.2	110
For-hire truck	20 695	34.7	3 465	38.7	2 357	39.6	416
Private truck	11 168	18.7	2 330	26.1	447	7.5	41
Rail	14 730	24.7	1 659	18.6	1 863	31.3	1 095
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	114	.2	13	.1	11	.2	1 295
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	8 055	13.5	802	9.0	929	15.6	668
Parcel, U.S. Postal Service or courier	3 334	5.6	180	2.0	118	2.0	665
Truck and rail	4 721	7.9	623	7.0	811	13.6	1 213
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	4 929	8.3	670	7.5	340	5.7	60

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	10 408	100.0	438	100.0	410	100.0	894
Single modes	9 374	90.1	424	96.7	401	97.6	962
Truck ¹	4 645	44.6	299	68.1	213	51.9	648
For-hire truck	3 114	29.9	178	40.6	132	32.1	855
Private truck	1 529	14.7	121	27.5	81	19.7	343
Rail	S	S	S	S	S	S	2 173
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	3 433	33.0	9	2.0	12	3.0	1 463
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	911	8.8	5	1.1	4	1.1	776
Parcel, U.S. Postal Service or courier	907	8.7	4	1.0	3	.8	775
Truck and rail	S	S	S	S	S	S	2 281
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	122	1.2	9	2.2	S	S	424
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	14 110	100.0	371	100.0	291	100.0	728
Single modes	6 310	44.7	273	73.6	223	76.6	728
Truck ¹	4 801	34.0	262	70.7	208	71.5	158
For-hire truck	2 683	19.0	206	55.6	199	68.6	627
Private truck	1 840	13.0	50	13.4	6	2.0	S
Rail	S	S	S	S	S	S	1 086
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 506	10.7	10	2.8	14	5.0	1 427
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	7 289	51.7	90	24.3	65	22.2	746
Parcel, U.S. Postal Service or courier	7 259	51.4	88	23.7	60	20.6	746
Truck and rail	S	S	S	S	S	S	1 914
Truck and water	S	S	S	S	S	S	1 167
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	512	3.6	8	2.1	4	1.2	198
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	6 476	100.0	1 909	100.0	1 128	100.0	1 054
Single modes	5 682	87.7	1 749	91.6	964	85.5	543
Truck ¹	5 646	87.2	1 741	91.2	948	84.1	455
For-hire truck	3 206	49.5	1 096	57.4	848	75.2	761
Private truck	2 427	37.5	644	33.7	100	8.9	143
Rail	S	S	S	S	S	S	1 323
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 565
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	579	8.9	119	6.2	154	13.7	1 204
Parcel, U.S. Postal Service or courier	565	8.7	108	5.7	113	10.0	1 203
Truck and rail	S	S	S	S	S	S	639
Truck and water	S	S	S	S	S	S	9 104
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	215	3.3	41	2.2	10	.9	88

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	34 203	100.0	6 062	100.0	3 229	100.0	876
Single modes	23 368	68.3	5 438	89.7	2 716	84.1	437
Truck ¹	22 267	65.1	5 375	88.7	2 633	81.5	324
For-hire truck	16 864	49.3	3 198	52.7	2 206	68.3	762
Private truck	5 372	15.7	2 161	35.6	421	13.0	87
Rail	S	S	47	.8	59	1.8	1 348
Water	S	S	S	S	S	S	383
Shallow draft	S	S	S	S	S	S	383
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	678	2.0	17	.3	24	.7	1 456
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	9 679	28.3	419	6.9	402	12.5	999
Parcel, U.S. Postal Service or courier	9 550	27.9	395	6.5	351	10.9	999
Truck and rail	122	.4	21	.4	31	1.0	1 480
Truck and water	S	S	S	S	S	S	6 038
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 618
Other and unknown modes	1 157	3.4	205	3.4	111	3.4	339
SCTG 41, WASTE AND SCRAP							
Total	2 179	100.0	18 506	100.0	4 395	100.0	205
Single modes	2 123	97.4	18 373	99.3	4 300	97.8	118
Truck ¹	1 531	70.3	13 433	72.6	2 105	47.9	97
For-hire truck	884	40.6	3 739	20.2	978	22.2	274
Private truck	638	29.3	9 646	52.1	S	S	57
Rail	551	25.3	4 619	25.0	1 923	43.7	462
Water	S	S	S	S	S	S	802
Shallow draft	S	S	S	S	S	S	802
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	44	2.0	S	S	83	1.9	951
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	950
Truck and rail	33	1.5	S	S	82	1.9	992
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	50
SCTG 43, MIXED FREIGHT							
Total	17 240	100.0	12 318	100.0	S	S	291
Single modes	16 847	97.7	12 251	99.5	S	S	143
Truck ¹	16 808	97.5	12 221	99.2	S	S	134
For-hire truck	3 169	18.4	S	S	S	S	507
Private truck	13 639	79.1	7 562	61.4	893	21.0	83
Rail	S	S	S	S	S	S	590
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 656
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	340	2.0	S	S	21	.5	741
Parcel, U.S. Postal Service or courier	340	2.0	S	S	21	.5	741
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	3 655	100.0	6 945	100.0	S	S	468
Single modes	2 865	78.4	6 874	99.0	S	S	219
Truck ¹	2 220	60.7	2 236	32.2	424	21.6	187
For-hire truck	1 212	33.2	806	11.6	310	15.8	426
Private truck	1 007	27.5	1 430	20.6	114	5.8	47
Rail	S	S	S	S	S	S	937
Water	S	S	S	S	S	S	1 478
Shallow draft	S	S	S	S	S	S	1 478
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	3	—	5	.3	1 976
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	15	.2	10	.5	764
Parcel, U.S. Postal Service or courier	S	S	15	.2	10	.5	764
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	4 529
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	584 209	1 072 504	367 183
Less than 50 miles	140 426	517 540	10 717
50 to 99 miles	46 308	105 278	9 930
100 to 249 miles	85 288	134 345	30 214
250 to 499 miles	92 955	112 235	57 434
500 to 749 miles	68 135	69 405	59 527
750 to 999 miles	57 783	54 878	64 181
1,000 to 1,499 miles	76 866	73 588	124 125
1,500 to 1,999 miles	15 748	5 116	10 458
2,000 miles or more	700	S	S
SCTG 01, Live animals and live fish	1 660	1 366	227
Less than 50 miles	174	85	4
50 to 99 miles	S	S	S
100 to 249 miles	399	361	59
250 to 499 miles	138	98	40
500 to 749 miles	S	26	19
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	20	30
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	22 559	200 917	117 679
Less than 50 miles	5 954	59 348	1 579
50 to 99 miles	1 808	17 379	1 629
100 to 249 miles	3 496	31 977	7 784
250 to 499 miles	3 406	29 409	13 354
500 to 749 miles	1 610	11 362	11 158
750 to 999 miles	2 180	17 523	21 591
1,000 to 1,499 miles	4 067	33 805	60 133
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	18 183	52 839	22 065
Less than 50 miles	6 508	19 358	692
50 to 99 miles	4 560	11 589	1 062
100 to 249 miles	2 986	7 296	1 388
250 to 499 miles	572	1 519	830
500 to 749 miles	681	2 366	2 179
750 to 999 miles	1 374	4 917	6 434
1,000 to 1,499 miles	1 481	5 751	9 397
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	17 147	58 359	15 628
Less than 50 miles	6 412	30 354	650
50 to 99 miles	2 037	6 794	635
100 to 249 miles	2 700	7 756	1 666
250 to 499 miles	2 182	5 396	2 535
500 to 749 miles	1 409	2 941	2 296
750 to 999 miles	809	1 586	1 805
1,000 to 1,499 miles	1 496	3 442	5 847
1,500 to 1,999 miles	101	90	189
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	38 108	17 497	11 963
Less than 50 miles	3 987	2 046	46
50 to 99 miles	2 500	1 398	130
100 to 249 miles	5 021	2 569	555
250 to 499 miles	6 669	3 360	1 541
500 to 749 miles	4 919	2 377	1 801
750 to 999 miles	4 132	1 847	1 921
1,000 to 1,499 miles	10 165	3 607	5 391
1,500 to 1,999 miles	712	289	559
2,000 miles or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	16 042	24 270	15 858
Less than 50 miles	2 559	4 025	85
50 to 99 miles	1 029	1 134	112
100 to 249 miles	3 377	4 603	1 114
250 to 499 miles	2 720	3 708	1 814
500 to 749 miles	2 404	4 527	3 963
750 to 999 miles	1 892	2 687	2 903
1,000 to 1,499 miles	1 621	3 115	4 940
1,500 to 1,999 miles	433	470	926
2,000 miles or more	S	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	36 759	47 403	20 754
Less than 50 miles	11 171	12 750	314
50 to 99 miles	4 327	6 364	597
100 to 249 miles	6 819	10 315	2 158
250 to 499 miles	5 278	6 319	2 914
500 to 749 miles	3 112	3 768	3 003
750 to 999 miles	2 466	3 045	3 360
1,000 to 1,499 miles	3 136	4 055	6 758
1,500 to 1,999 miles	447	785	1 644
2,000 miles or more	S	S	S

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	7 312	8 364	2 957
Less than 50 miles	3 300	3 031	63
50 to 99 miles	518	636	57
100 to 249 miles	1 217	1 562	381
250 to 499 miles	1 330	1 792	754
500 to 749 miles	268	477	371
750 to 999 miles	S	314	345
1,000 to 1,499 miles	227	378	622
1,500 to 1,999 miles	97	S	S
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	2 208	200	20
Less than 50 miles	1 141	82	3
50 to 99 miles	512	68	6
100 to 249 miles	458	42	8
250 to 499 miles	87	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	—	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 10, Monumental or building stone	476	1 289	246
Less than 50 miles	72	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	27	54	22
500 to 749 miles	35	34	27
750 to 999 miles	S	S	S
1,000 to 1,499 miles	72	46	72
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 11, Natural sands	252	43 611	2 290
Less than 50 miles	157	38 022	761
50 to 99 miles	18	1 858	178
100 to 249 miles	37	2 992	632
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 12, Gravel and crushed stone	958	172 184	15 017
Less than 50 miles	751	140 914	2 433
50 to 99 miles	53	11 167	1 069
100 to 249 miles	69	10 161	2 598
250 to 499 miles	38	2 887	1 799
500 to 749 miles	25	4 950	4 714
750 to 999 miles	21	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	1 337	13 556	4 082
Less than 50 miles	415	7 270	195
50 to 99 miles	S	1 042	105
100 to 249 miles	117	1 179	267
250 to 499 miles	94	1 365	666
500 to 749 miles	67	1 461	1 111
750 to 999 miles	33	590	692
1,000 to 1,499 miles	38	633	1 016
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 14, Metallic ores and concentrates	1 898	49 744	37 441
Less than 50 miles	165	3 362	S
50 to 99 miles	429	8 890	913
100 to 249 miles	S	27	7
250 to 499 miles	367	13 452	11 932
500 to 749 miles	583	16 258	13 988
750 to 999 miles	S	S	S
1,000 to 1,499 miles	192	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 15, Coal	337	34 826	564
Less than 50 miles	307	34 504	498
50 to 99 miles	6	200	22
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	7	15	11
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	10 298	40 805	5 029
Less than 50 miles	7 271	27 722	593
50 to 99 miles	1 073	4 462	397
100 to 249 miles	930	4 075	804
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	4 951	22 552	S
Less than 50 miles	3 889	16 372	303
50 to 99 miles	430	1 974	193
100 to 249 miles	295	1 590	286
250 to 499 miles	185	1 089	417
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	5 383	34 738	6 293
Less than 50 miles	2 179	13 072	241
50 to 99 miles	837	5 051	362
100 to 249 miles	1 343	11 425	2 844
250 to 499 miles	738	4 421	1 905
500 to 749 miles	182	S	S
750 to 999 miles	72	64	74
1,000 to 1,499 miles	31	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 20, Basic chemicals	4 501	15 151	12 329
Less than 50 miles	1 019	1 929	35
50 to 99 miles	284	668	64
100 to 249 miles	457	1 836	402
250 to 499 miles	939	S	S
500 to 749 miles	543	S	S
750 to 999 miles	583	2 355	3 007
1,000 to 1,499 miles	536	3 453	5 706
1,500 to 1,999 miles	128	85	170
2,000 miles or more	S	S	S
SCTG 21, Pharmaceutical products	17 329	861	497
Less than 50 miles	2 594	117	2
50 to 99 miles	1 406	82	8
100 to 249 miles	4 795	146	31
250 to 499 miles	2 961	109	48
500 to 749 miles	2 397	141	106
750 to 999 miles	1 076	S	S
1,000 to 1,499 miles	1 780	60	86
1,500 to 1,999 miles	274	16	31
2,000 miles or more	S	—	1
SCTG 22, Fertilizers	3 652	16 181	2 344
Less than 50 miles	2 435	10 064	191
50 to 99 miles	358	1 867	169
100 to 249 miles	469	2 273	506
250 to 499 miles	231	1 175	555
500 to 749 miles	78	432	356
750 to 999 miles	28	137	154
1,000 to 1,499 miles	48	214	370
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	20 395	8 976	4 316
Less than 50 miles	5 891	3 478	60
50 to 99 miles	1 240	346	31
100 to 249 miles	3 764	982	233
250 to 499 miles	2 972	1 134	548
500 to 749 miles	2 242	1 291	992
750 to 999 miles	1 749	806	851
1,000 to 1,499 miles	1 472	557	831
1,500 to 1,999 miles	1 055	382	766
2,000 miles or more	S	S	S
SCTG 24, Plastics and rubber	18 550	6 541	3 442
Less than 50 miles	4 140	1 331	25
50 to 99 miles	1 193	400	35
100 to 249 miles	2 662	1 020	228
250 to 499 miles	3 931	1 588	742
500 to 749 miles	2 491	934	724
750 to 999 miles	1 797	672	721
1,000 to 1,499 miles	1 716	433	635
1,500 to 1,999 miles	617	162	332
2,000 miles or more	S	S	S

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	161	S	S
Less than 50 miles	71	S	S
50 to 99 miles	S	S	S
100 to 249 miles	25	154	29
250 to 499 miles	21	73	30
500 to 749 miles	8	13	11
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 26, Wood products	9 874	12 757	4 441
Less than 50 miles	2 809	4 927	121
50 to 99 miles	1 275	2 223	211
100 to 249 miles	1 649	2 188	431
250 to 499 miles	1 462	1 265	589
500 to 749 miles	770	543	445
750 to 999 miles	902	394	438
1,000 to 1,499 miles	856	1 023	1 738
1,500 to 1,999 miles	151	194	469
2,000 miles or more	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	5 701	5 616	2 719
Less than 50 miles	2 016	1 643	28
50 to 99 miles	402	629	65
100 to 249 miles	590	720	166
250 to 499 miles	1 084	973	441
500 to 749 miles	546	630	484
750 to 999 miles	366	365	411
1,000 to 1,499 miles	495	514	809
1,500 to 1,999 miles	201	142	314
2,000 miles or more	S	S	S
SCTG 28, Paper or paperboard articles	7 781	4 759	1 571
Less than 50 miles	2 790	1 608	34
50 to 99 miles	772	750	67
100 to 249 miles	1 111	844	179
250 to 499 miles	1 250	626	276
500 to 749 miles	854	343	251
750 to 999 miles	473	305	320
1,000 to 1,499 miles	419	235	352
1,500 to 1,999 miles	112	46	90
2,000 miles or more	S	S	S
SCTG 29, Printed products	23 204	5 698	2 836
Less than 50 miles	6 222	1 877	40
50 to 99 miles	983	350	32
100 to 249 miles	2 475	681	137
250 to 499 miles	3 870	904	396
500 to 749 miles	2 563	659	482
750 to 999 miles	2 658	440	451
1,000 to 1,499 miles	3 625	579	856
1,500 to 1,999 miles	709	195	388
2,000 miles or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	13 506	1 335	832
Less than 50 miles	1 886	259	7
50 to 99 miles	820	115	11
100 to 249 miles	1 861	154	29
250 to 499 miles	2 813	225	101
500 to 749 miles	2 006	194	146
750 to 999 miles	1 316	117	126
1,000 to 1,499 miles	2 431	S	S
1,500 to 1,999 miles	339	25	49
2,000 miles or more	33	S	S
SCTG 31, Nonmetallic mineral products	8 375	75 016	9 754
Less than 50 miles	3 435	50 507	905
50 to 99 miles	912	7 809	808
100 to 249 miles	1 231	7 484	1 466
250 to 499 miles	1 341	6 076	2 655
500 to 749 miles	635	1 045	744
750 to 999 miles	309	587	670
1,000 to 1,499 miles	363	S	S
1,500 to 1,999 miles	149	328	686
2,000 miles or more	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	14 876	16 139	6 995
Less than 50 miles	4 235	4 943	103
50 to 99 miles	1 526	1 865	176
100 to 249 miles	2 736	2 589	524
250 to 499 miles	2 841	2 380	1 071
500 to 749 miles	1 510	1 369	1 051
750 to 999 miles	1 084	S	S
1,000 to 1,499 miles	586	S	S
1,500 to 1,999 miles	343	115	241
2,000 miles or more	S	S	S

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	16 662	12 957	S
Less than 50 miles	4 014	2 715	84
50 to 99 miles	1 357	768	70
100 to 249 miles	2 587	2 183	469
250 to 499 miles	3 037	1 817	826
500 to 749 miles	2 291	S	S
750 to 999 miles	1 345	S	S
1,000 to 1,499 miles	1 719	S	S
1,500 to 1,999 miles	300	149	294
2,000 miles or more	12	S	S
SCTG 34, Machinery	36 494	4 816	2 911
Less than 50 miles	6 409	902	22
50 to 99 miles	2 257	279	26
100 to 249 miles	5 217	733	162
250 to 499 miles	6 157	886	411
500 to 749 miles	5 769	766	586
750 to 999 miles	4 239	497	516
1,000 to 1,499 miles	5 342	631	940
1,500 to 1,999 miles	1 093	120	239
2,000 miles or more	9	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	49 296	3 095	2 221
Less than 50 miles	8 479	583	13
50 to 99 miles	1 624	102	9
100 to 249 miles	3 784	284	65
250 to 499 miles	8 264	666	316
500 to 749 miles	5 949	411	310
750 to 999 miles	7 789	320	339
1,000 to 1,499 miles	10 524	553	816
1,500 to 1,999 miles	2 571	169	333
2,000 miles or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	59 712	8 944	5 948
Less than 50 miles	8 037	1 597	39
50 to 99 miles	2 789	437	45
100 to 249 miles	6 686	1 154	240
250 to 499 miles	11 953	1 815	848
500 to 749 miles	10 097	1 394	1 068
750 to 999 miles	8 990	1 146	1 273
1,000 to 1,499 miles	8 563	1 012	1 624
1,500 to 1,999 miles	2 579	386	807
2,000 miles or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	10 408	438	410
Less than 50 miles	549	10	—
50 to 99 miles	94	9	1
100 to 249 miles	561	50	11
250 to 499 miles	1 321	132	65
500 to 749 miles	2 055	69	54
750 to 999 miles	1 528	43	45
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	8	16
2,000 miles or more	S	S	S
SCTG 38, Precision instruments and apparatus	14 110	371	291
Less than 50 miles	3 636	72	1
50 to 99 miles	422	22	2
100 to 249 miles	792	32	6
250 to 499 miles	1 970	34	17
500 to 749 miles	1 685	56	45
750 to 999 miles	1 815	36	40
1,000 to 1,499 miles	2 785	105	153
1,500 to 1,999 miles	979	13	26
2,000 miles or more	28	—	1
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	6 476	1 909	1 128
Less than 50 miles	2 085	541	9
50 to 99 miles	200	36	3
100 to 249 miles	709	304	79
250 to 499 miles	954	283	133
500 to 749 miles	799	241	181
750 to 999 miles	652	180	186
1,000 to 1,499 miles	843	251	357
1,500 to 1,999 miles	221	66	129
2,000 miles or more	S	S	S
SCTG 40, Miscellaneous manufactured products	34 203	6 062	3 229
Less than 50 miles	4 699	1 623	32
50 to 99 miles	1 433	367	35
100 to 249 miles	4 093	827	174
250 to 499 miles	6 224	1 012	462
500 to 749 miles	6 311	791	587
750 to 999 miles	4 535	691	730
1,000 to 1,499 miles	5 583	596	886
1,500 to 1,999 miles	1 272	150	294
2,000 miles or more	54	5	S

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	2 179	18 506	4 395
Less than 50 miles	579	7 924	157
50 to 99 miles	207	2 295	216
100 to 249 miles	428	3 021	685
250 to 499 miles	602	3 539	1 606
500 to 749 miles	239	1 245	1 002
750 to 999 miles	53	188	209
1,000 to 1,499 miles	59	212	348
1,500 to 1,999 miles	S	82	173
2,000 miles or more	—	—	—
SCTG 43, Mixed freight	17 240	12 318	S
Less than 50 miles	5 159	3 484	87
50 to 99 miles	2 879	1 383	131
100 to 249 miles	6 520	3 414	648
250 to 499 miles	1 305	S	S
500 to 749 miles	395	S	S
750 to 999 miles	527	S	S
1,000 to 1,499 miles	392	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
Commodity unknown	3 655	6 945	S
Less than 50 miles	825	1 314	S
50 to 99 miles	263	S	S
100 to 249 miles	619	S	S
250 to 499 miles	877	S	S
500 to 749 miles	421	217	182
750 to 999 miles	265	66	69
1,000 to 1,499 miles	217	S	S
1,500 to 1,999 miles	S	S	11
2,000 miles or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	584 209	1 072 504	367 183
Less than 50 lb	68 424	2 254	1 408
50 to 99 lb	18 238	1 273	444
100 to 499 lb	53 932	7 109	1 573
500 to 749 lb	17 715	3 529	696
750 to 999 lb	10 434	3 011	589
1,000 to 9,999 lb	109 447	62 573	11 488
10,000 to 49,999 lb	225 521	381 586	82 088
50,000 to 99,999 lb	38 494	232 381	25 175
100,000 lb or more	42 003	378 787	243 722
SCTG 01, Live animals and live fish	1 660	1 366	227
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	164
50,000 to 99,999 lb	S	S	29
100,000 lb or more	171	S	S
SCTG 02, Cereal grains	22 559	200 917	117 679
Less than 50 lb	—	—	—
50 to 99 lb	S	4	—
100 to 499 lb	10	32	1
500 to 749 lb	7	24	3
750 to 999 lb	4	18	3
1,000 to 9,999 lb	346	818	156
10,000 to 49,999 lb	2 254	12 743	2 300
50,000 to 99,999 lb	6 941	67 799	7 638
100,000 lb or more	12 997	119 480	107 577
SCTG 03, Other agricultural products	18 183	52 839	22 065
Less than 50 lb	184	19	5
50 to 99 lb	70	18	1
100 to 499 lb	442	175	10
500 to 749 lb	147	99	6
750 to 999 lb	S	88	7
1,000 to 9,999 lb	1 183	1 518	159
10,000 to 49,999 lb	S	8 503	S
50,000 to 99,999 lb	5 444	22 133	1 703
100,000 lb or more	5 060	20 286	18 126
SCTG 04, Animal feed and products of animal origin, n.e.c.	17 147	58 359	15 628
Less than 50 lb	23	13	1
50 to 99 lb	43	43	2
100 to 499 lb	267	445	13
500 to 749 lb	163	313	9
750 to 999 lb	77	146	5
1,000 to 9,999 lb	2 427	7 487	352
10,000 to 49,999 lb	10 022	28 488	6 639
50,000 to 99,999 lb	2 417	13 412	2 110
100,000 lb or more	1 707	8 011	6 498
SCTG 05, Meat, fish, seafood, and their preparations	38 108	17 497	11 963
Less than 50 lb	S	17	S
50 to 99 lb	S	18	1
100 to 499 lb	371	113	11
500 to 749 lb	141	53	7
750 to 999 lb	141	47	8
1,000 to 9,999 lb	3 967	1 384	832
10,000 to 49,999 lb	31 845	14 939	10 301
50,000 to 99,999 lb	537	357	350
100,000 lb or more	853	570	452
SCTG 06, Milled grain products and preparations, and bakery products	16 042	24 270	15 858
Less than 50 lb	S	S	S
50 to 99 lb	32	9	1
100 to 499 lb	345	157	18
500 to 749 lb	198	133	13
750 to 999 lb	149	111	13
1,000 to 9,999 lb	1 517	963	241
10,000 to 49,999 lb	10 893	11 529	6 182
50,000 to 99,999 lb	529	2 423	556
100,000 lb or more	2 038	8 929	8 828
SCTG 07, Other prepared foodstuffs and fats and oils	36 759	47 403	20 754
Less than 50 lb	327	52	8
50 to 99 lb	217	90	6
100 to 499 lb	1 459	907	61
500 to 749 lb	577	408	33
750 to 999 lb	539	407	36
1,000 to 9,999 lb	6 364	5 621	686
10,000 to 49,999 lb	21 512	23 485	7 352
50,000 to 99,999 lb	1 517	4 842	722
100,000 lb or more	4 248	11 592	11 849

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	7 312	8 364	2 957
Less than 50 lb	35	11	—
50 to 99 lb	78	28	1
100 to 499 lb	632	390	16
500 to 749 lb	302	220	8
750 to 999 lb	245	207	7
1,000 to 9,999 lb	1 842	1 563	69
10,000 to 49,999 lb	2 382	3 101	1 113
50,000 to 99,999 lb	726	1 421	344
100,000 lb or more	1 070	1 421	1 399
SCTG 09, Tobacco products	2 208	200	20
Less than 50 lb	362	9	1
50 to 99 lb	211	7	1
100 to 499 lb	806	41	4
500 to 749 lb	173	16	2
750 to 999 lb	146	17	3
1,000 to 9,999 lb	486	62	7
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	476	1 289	246
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	2	1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	69	66	12
10,000 to 49,999 lb	389	1 109	190
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	252	43 611	2 290
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	2	—
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	389	15
10,000 to 49,999 lb	107	24 875	709
50,000 to 99,999 lb	65	15 476	752
100,000 lb or more	S	2 864	S
SCTG 12, Gravel and crushed stone	958	172 184	15 017
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	3	—
500 to 749 lb	S	3	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	22	1 008	15
10,000 to 49,999 lb	484	88 617	3 095
50,000 to 99,999 lb	230	43 616	1 726
100,000 lb or more	220	38 933	10 180
SCTG 13, Nonmetallic minerals n.e.c.	1 337	13 556	4 082
Less than 50 lb	S	1	S
50 to 99 lb	S	1	—
100 to 499 lb	7	29	1
500 to 749 lb	S	S	S
750 to 999 lb	3	S	S
1,000 to 9,999 lb	93	626	37
10,000 to 49,999 lb	S	5 814	1 033
50,000 to 99,999 lb	S	1 284	296
100,000 lb or more	124	5 744	2 713
SCTG 14, Metallic ores and concentrates	1 898	49 744	37 441
Less than 50 lb	S	S	—
50 to 99 lb	S	—	S
100 to 499 lb	103	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	118	476	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	1 620	49 046	37 157
SCTG 15, Coal	337	34 826	564
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	—	—	—
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	38	387	42
50,000 to 99,999 lb	12	360	29
100,000 lb or more	285	34 075	492

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	10 298	40 805	5 029
Less than 50 lb	5	9	S
50 to 99 lb	13	31	S
100 to 499 lb	S	88	2
500 to 749 lb	28	61	1
750 to 999 lb	S	63	1
1,000 to 9,999 lb	874	2 531	53
10,000 to 49,999 lb	2 889	11 219	638
50,000 to 99,999 lb	3 677	14 037	1 013
100,000 lb or more	2 656	12 766	3 321
SCTG 18, Fuel oils	4 951	22 552	S
Less than 50 lb	S	S	S
50 to 99 lb	3	S	S
100 to 499 lb	50	133	2
500 to 749 lb	44	136	2
750 to 999 lb	54	212	2
1,000 to 9,999 lb	1 237	4 915	78
10,000 to 49,999 lb	882	3 882	179
50,000 to 99,999 lb	1 989	8 485	558
100,000 lb or more	692	4 776	S
SCTG 19, Coal and petroleum products, n.e.c.	5 383	34 738	6 293
Less than 50 lb	49	15	1
50 to 99 lb	23	12	1
100 to 499 lb	214	159	10
500 to 749 lb	130	155	S
750 to 999 lb	100	195	6
1,000 to 9,999 lb	1 411	2 407	128
10,000 to 49,999 lb	1 554	11 330	872
50,000 to 99,999 lb	447	3 693	450
100,000 lb or more	1 455	16 772	4 812
SCTG 20, Basic chemicals	4 501	15 151	12 329
Less than 50 lb	343	12	4
50 to 99 lb	53	20	1
100 to 499 lb	231	185	19
500 to 749 lb	83	S	6
750 to 999 lb	77	S	3
1,000 to 9,999 lb	933	580	64
10,000 to 49,999 lb	1 879	3 548	1 274
50,000 to 99,999 lb	178	1 714	1 681
100,000 lb or more	723	8 947	9 277
SCTG 21, Pharmaceutical products	17 329	861	497
Less than 50 lb	5 334	64	25
50 to 99 lb	2 035	39	13
100 to 499 lb	3 924	120	43
500 to 749 lb	1 008	31	15
750 to 999 lb	595	23	11
1,000 to 9,999 lb	2 180	176	72
10,000 to 49,999 lb	2 049	384	318
50,000 to 99,999 lb	S	S	—
100,000 lb or more	—	—	—
SCTG 22, Fertilizers	3 652	16 181	2 344
Less than 50 lb	2	2	—
50 to 99 lb	2	2	—
100 to 499 lb	14	23	1
500 to 749 lb	10	13	1
750 to 999 lb	S	27	1
1,000 to 9,999 lb	960	3 030	44
10,000 to 49,999 lb	1 497	6 612	529
50,000 to 99,999 lb	593	3 355	464
100,000 lb or more	559	3 120	1 304
SCTG 23, Chemical products and preparations, n.e.c.	20 395	8 976	4 316
Less than 50 lb	843	53	14
50 to 99 lb	521	45	9
100 to 499 lb	1 439	207	47
500 to 749 lb	416	83	24
750 to 999 lb	331	73	18
1,000 to 9,999 lb	4 151	1 069	373
10,000 to 49,999 lb	12 407	6 915	3 433
50,000 to 99,999 lb	167	S	S
100,000 lb or more	S	353	253
SCTG 24, Plastics and rubber	18 550	6 541	3 442
Less than 50 lb	1 763	93	47
50 to 99 lb	609	62	14
100 to 499 lb	2 364	375	97
500 to 749 lb	863	154	49
750 to 999 lb	686	124	53
1,000 to 9,999 lb	6 144	2 250	872
10,000 to 49,999 lb	5 630	2 966	1 867
50,000 to 99,999 lb	S	S	S
100,000 lb or more	479	507	437

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	161	S	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	81	S	79
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 26, Wood products	9 874	12 757	4 441
Less than 50 lb	183	17	9
50 to 99 lb	117	32	S
100 to 499 lb	443	105	13
500 to 749 lb	145	54	9
750 to 999 lb	147	71	8
1,000 to 9,999 lb	2 392	2 082	236
10,000 to 49,999 lb	5 930	8 251	2 727
50,000 to 99,999 lb	229	914	132
100,000 lb or more	287	1 232	1 282
SCTG 27, Pulp, newsprint, paper, and paperboard	5 701	5 616	2 719
Less than 50 lb	128	12	2
50 to 99 lb	101	17	2
100 to 499 lb	445	138	14
500 to 749 lb	208	82	7
750 to 999 lb	154	58	6
1,000 to 9,999 lb	1 230	969	115
10,000 to 49,999 lb	2 550	3 176	1 346
50,000 to 99,999 lb	S	94	S
100,000 lb or more	855	1 070	1 107
SCTG 28, Paper or paperboard articles	7 781	4 759	1 571
Less than 50 lb	311	24	12
50 to 99 lb	127	28	S
100 to 499 lb	439	133	19
500 to 749 lb	162	66	12
750 to 999 lb	135	63	15
1,000 to 9,999 lb	2 452	1 232	344
10,000 to 49,999 lb	4 141	3 106	1 099
50,000 to 99,999 lb	6	49	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	23 204	5 698	2 836
Less than 50 lb	6 448	389	S
50 to 99 lb	1 319	123	51
100 to 499 lb	3 456	415	151
500 to 749 lb	1 154	154	55
750 to 999 lb	484	102	39
1,000 to 9,999 lb	5 408	1 575	705
10,000 to 49,999 lb	4 803	2 748	1 337
50,000 to 99,999 lb	57	47	S
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	13 506	1 335	832
Less than 50 lb	4 141	165	152
50 to 99 lb	560	26	16
100 to 499 lb	1 472	95	49
500 to 749 lb	355	27	15
750 to 999 lb	245	20	8
1,000 to 9,999 lb	2 674	263	82
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	30	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	8 375	75 016	9 754
Less than 50 lb	247	61	S
50 to 99 lb	133	21	6
100 to 499 lb	392	105	19
500 to 749 lb	87	49	5
750 to 999 lb	59	51	5
1,000 to 9,999 lb	999	3 240	215
10,000 to 49,999 lb	4 662	45 842	5 195
50,000 to 99,999 lb	1 295	16 542	1 575
100,000 lb or more	502	9 106	2 686
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	14 876	16 139	6 995
Less than 50 lb	406	23	6
50 to 99 lb	203	29	5
100 to 499 lb	1 048	237	40
500 to 749 lb	406	137	27
750 to 999 lb	272	123	20
1,000 to 9,999 lb	4 551	3 369	597
10,000 to 49,999 lb	6 790	8 123	2 579
50,000 to 99,999 lb	460	656	163
100,000 lb or more	739	3 442	S

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	16 662	12 957	S
Less than 50 lb	2 502	103	54
50 to 99 lb	771	57	18
100 to 499 lb	2 119	293	83
500 to 749 lb	1 007	125	40
750 to 999 lb	441	111	34
1,000 to 9,999 lb	4 750	1 984	663
10,000 to 49,999 lb	4 817	S	S
50,000 to 99,999 lb	158	261	124
100,000 lb or more	97	S	S
SCTG 34, Machinery	36 494	4 816	2 911
Less than 50 lb	4 813	136	53
50 to 99 lb	1 587	70	28
100 to 499 lb	4 003	315	151
500 to 749 lb	1 249	124	57
750 to 999 lb	998	93	61
1,000 to 9,999 lb	9 996	1 408	770
10,000 to 49,999 lb	13 293	2 536	1 704
50,000 to 99,999 lb	388	87	41
100,000 lb or more	S	48	48
SCTG 35, Electronic and other electrical equipment and components and office equipment	49 296	3 095	2 221
Less than 50 lb	15 971	258	178
50 to 99 lb	3 605	111	57
100 to 499 lb	13 268	484	276
500 to 749 lb	3 111	139	84
750 to 999 lb	1 160	72	47
1,000 to 9,999 lb	8 532	769	567
10,000 to 49,999 lb	3 615	1 240	998
50,000 to 99,999 lb	S	10	S
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	59 712	8 944	5 948
Less than 50 lb	4 381	198	80
50 to 99 lb	1 490	102	38
100 to 499 lb	3 501	273	89
500 to 749 lb	1 205	120	51
750 to 999 lb	937	100	30
1,000 to 9,999 lb	11 403	1 992	1 218
10,000 to 49,999 lb	27 884	4 489	3 060
50,000 to 99,999 lb	S	1 536	1 295
100,000 lb or more	115	135	S
SCTG 37, Transportation equipment, n.e.c.	10 408	438	410
Less than 50 lb	1 506	7	6
50 to 99 lb	387	3	2
100 to 499 lb	1 696	18	16
500 to 749 lb	503	11	7
750 to 999 lb	S	3	3
1,000 to 9,999 lb	2 941	163	169
10,000 to 49,999 lb	3 201	174	165
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	58	S
SCTG 38, Precision instruments and apparatus	14 110	371	291
Less than 50 lb	7 290	63	40
50 to 99 lb	1 360	28	15
100 to 499 lb	2 277	54	25
500 to 749 lb	351	12	6
750 to 999 lb	336	8	6
1,000 to 9,999 lb	1 289	37	29
10,000 to 49,999 lb	1 205	164	163
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	6 476	1 909	1 128
Less than 50 lb	527	78	84
50 to 99 lb	252	47	39
100 to 499 lb	849	97	37
500 to 749 lb	291	44	20
750 to 999 lb	283	46	24
1,000 to 9,999 lb	2 610	587	338
10,000 to 49,999 lb	1 354	740	541
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	34 203	6 062	3 229
Less than 50 lb	8 924	290	254
50 to 99 lb	1 653	98	72
100 to 499 lb	3 972	334	178
500 to 749 lb	S	135	74
750 to 999 lb	655	86	61
1,000 to 9,999 lb	7 024	1 195	709
10,000 to 49,999 lb	8 804	3 153	1 656
50,000 to 99,999 lb	284	337	99
100,000 lb or more	430	S	128

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	2 179	18 506	4 395
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	92	S	S
10,000 to 49,999 lb	1 298	8 581	1 444
50,000 to 99,999 lb	145	S	S
100,000 lb or more	617	5 412	2 359
SCTG 43, Mixed freight	17 240	12 318	S
Less than 50 lb	303	26	11
50 to 99 lb	185	30	7
100 to 499 lb	1 235	354	45
500 to 749 lb	614	164	27
750 to 999 lb	467	145	34
1,000 to 9,999 lb	4 109	1 915	339
10,000 to 49,999 lb	9 945	5 788	870
50,000 to 99,999 lb	114	88	S
100,000 lb or more	S	S	S
Commodity unknown	3 655	6 945	S
Less than 50 lb	528	13	7
50 to 99 lb	S	11	4
100 to 499 lb	446	51	12
500 to 749 lb	91	25	4
750 to 999 lb	125	28	7
1,000 to 9,999 lb	632	455	89
10,000 to 49,999 lb	885	771	315
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	584 209	1 072 504	367 183	562	140 426	517 540	10 717	46 308	105 278	9 930
Less than 50 lb	68 424	2 254	1 408	697	14 294	659	12	3 465	137	13
50 to 99 lb	18 238	1 273	444	349	5 171	618	12	1 285	112	10
100 to 499 lb	53 932	7 109	1 573	231	16 181	4 175	84	4 237	758	69
500 to 749 lb	17 715	3 529	696	195	4 690	2 174	42	1 180	338	31
750 to 999 lb	10 434	3 011	589	195	3 166	1 849	35	1 005	303	27
1,000 to 9,999 lb	109 447	62 573	11 488	178	32 492	40 226	699	8 500	5 199	488
10,000 to 49,999 lb	225 521	381 586	82 088	206	42 986	230 977	4 297	18 360	31 149	2 923
50,000 to 99,999 lb	38 494	232 381	25 175	109	15 102	138 690	3 655	6 403	42 951	3 866
100,000 lb or more	42 003	378 787	243 722	618	6 343	98 172	1 880	1 875	24 329	2 503
SCTG 01, Live animals and live fish	1 660	1 366	227	224	174	85	4	S	S	S
Less than 50 lb	S	S	S	292	S	S	S	S	S	S
50 to 99 lb	S	S	S	289	S	S	S	S	S	S
100 to 499 lb	S	S	S	106	S	S	S	S	S	S
500 to 749 lb	S	S	S	190	S	S	S	S	S	S
750 to 999 lb	S	S	S	138	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	113	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	164	164	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	29	148	S	S	S	S	S	S
100,000 lb or more	171	S	S	182	S	S	S	S	S	S
SCTG 02, Cereal grains	22 559	200 917	117 679	178	5 954	59 348	1 579	1 808	17 379	1 629
Less than 50 lb	—	—	—	121	S	—	—	S	S	S
50 to 99 lb	S	4	—	S	S	3	S	S	S	S
100 to 499 lb	10	32	1	S	7	29	1	S	2	—
500 to 749 lb	7	24	3	S	5	20	—	S	—	S
750 to 999 lb	4	18	3	S	1	S	S	—	—	—
1,000 to 9,999 lb	346	818	156	193	78	508	10	S	S	S
10,000 to 49,999 lb	2 254	12 743	2 300	170	812	8 314	151	102	810	S
50,000 to 99,999 lb	6 941	67 799	7 638	114	3 689	37 264	1 142	1 299	12 334	1 087
100,000 lb or more	12 997	119 480	107 577	709	1 361	13 197	274	380	S	S
SCTG 03, Other agricultural products	18 183	52 839	22 065	350	6 508	19 358	692	4 560	11 589	1 062
Less than 50 lb	184	19	5	599	71	10	—	S	S	—
50 to 99 lb	70	18	1	48	52	14	—	S	S	S
100 to 499 lb	442	175	10	53	230	130	2	S	27	2
500 to 749 lb	147	99	6	61	90	68	1	37	17	2
750 to 999 lb	S	88	7	S	53	60	2	S	S	S
1,000 to 9,999 lb	1 183	1 518	159	98	516	783	15	261	281	27
10,000 to 49,999 lb	S	8 503	S	221	S	3 488	103	S	S	S
50,000 to 99,999 lb	5 444	22 133	1 703	76	2 832	11 470	433	1 830	7 562	677
100,000 lb or more	5 060	20 286	18 126	425	S	S	S	442	1 746	159
SCTG 04, Animal feed and products of animal origin, n.e.c.	17 147	58 359	15 628	63	6 412	30 354	650	2 037	6 794	635
Less than 50 lb	23	13	1	S	19	13	—	S	—	—
50 to 99 lb	43	43	2	S	37	41	1	S	S	S
100 to 499 lb	267	445	13	S	224	431	7	5	2	—
500 to 749 lb	163	313	9	29	130	298	5	8	5	—
750 to 999 lb	77	146	5	S	61	139	2	1	1	—
1,000 to 9,999 lb	2 427	7 487	352	47	1 603	6 666	105	206	305	28
10,000 to 49,999 lb	10 022	28 488	6 639	161	3 164	14 916	341	1 305	4 021	378
50,000 to 99,999 lb	2 417	13 412	2 110	156	6 157	160	160	500	2 419	222
100,000 lb or more	1 707	8 011	6 498	868	256	1 693	29	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	38 108	17 497	11 963	273	3 987	2 046	46	2 500	1 398	130
Less than 50 lb	S	17	S	100	S	13	—	S	2	—
50 to 99 lb	S	18	1	45	S	14	—	7	2	—
100 to 499 lb	371	113	11	87	228	66	1	74	26	3
500 to 749 lb	141	53	7	S	64	21	—	21	12	1
750 to 999 lb	141	47	8	175	57	18	—	13	6	1
1,000 to 9,999 lb	3 967	1 384	832	506	461	221	5	350	145	14
10,000 to 49,999 lb	31 845	14 939	10 301	671	2 775	1 570	33	1 894	1 136	105
50,000 to 99,999 lb	537	357	350	1 028	22	S	S	129	69	6
100,000 lb or more	853	570	452	913	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	16 042	24 270	15 858	330	2 559	4 025	85	1 029	1 134	112
Less than 50 lb	S	S	S	503	S	6	—	5	1	—
50 to 99 lb	32	9	1	S	17	5	—	8	2	—
100 to 499 lb	345	157	18	110	175	84	2	50	25	2
500 to 749 lb	198	133	13	98	102	71	2	32	24	2
750 to 999 lb	149	111	13	121	68	48	1	23	20	2
1,000 to 9,999 lb	1 517	963	241	216	292	256	6	250	209	20
10,000 to 49,999 lb	10 893	11 529	6 182	515	1 590	2 219	45	595	558	59
50,000 to 99,999 lb	529	2 423	556	219	194	1 014	22	47	214	S
100,000 lb or more	2 038	8 929	8 828	951	78	324	6	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	36 759	47 403	20 754	137	11 171	12 750	314	4 327	6 364	597
Less than 50 lb	327	52	8	247	170	32	1	44	7	1
50 to 99 lb	217	90	6	65	123	64	1	46	13	1
100 to 499 lb	1 459	907	61	64	1 006	659	16	182	125	11
500 to 749 lb	577	408	33	82	349	294	7	63	52	5
750 to 999 lb	539	407	36	91	312	280	7	76	69	6
1,000 to 9,999 lb	6 364	5 621	686	118	2 899	3 514	80	771	797	72
10,000 to 49,999 lb	21 512	23 485	7 352	289	5 585	6 099	149	2 669	3 679	344
50,000 to 99,999 lb	1 517	4 842	722	150	545	1 595	47	375	1 325	124
100,000 lb or more	4 248	11 592	11 849	1 018	183	213	6	S	S	S
SCTG 08, Alcoholic beverages	7 312	8 364	2 957	50	3 300	3 031	63	518	636	57
Less than 50 lb	35	11	—	42	28	9	—	3	1	—
50 to 99 lb	78	28	1	47	58	22	—	11	4	—
100 to 499 lb	632	390	16	40	488	323	7	80	47	4
500 to 749 lb	302	220	8	36	251	193	4	22	16	1
750 to 999 lb	245	207	7	34	206	186	4	18	13	1
1,000 to 9,999 lb	1 842	1 563	69	38	1 522	1 374	30	149	117	9
10,000 to 49,999 lb	2 382	3 101	1 113	314	586	712	11	S	S	S
50,000 to 99,999 lb	726	1 421	344	245	84	184	S	S	S	S
100,000 lb or more	1 070	1 421	1 399	933	S	S	S	—	—	—
SCTG 09, Tobacco products	2 208	200	20	76	1 141	82	3	512	68	6
Less than 50 lb	362	9	1	65	202	5	—	120	3	—
50 to 99 lb	211	7	—	80	89	4	—	34	2	—
100 to 499 lb	806	41	4	85	457	21	1	192	12	1
500 to 749 lb	173	16	2	112	66	6	—	29	4	—
750 to 999 lb	146	17	3	157	90	8	—	S	S	S
1,000 to 9,999 lb	486	62	7	113	S	17	S	117	27	2
10,000 to 49,999 lb	S	S	S	86	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	476	1 289	246	S	72	S	S	S	S	S
Less than 50 lb	S	S	S	5	S	S	S	S	—	—
50 to 99 lb	S	S	S	527	S	S	S	S	—	—
100 to 499 lb	2	1	S	218	10	10	10	10	10	10
500 to 749 lb	S	S	S	728	S	S	S	S	S	S
750 to 999 lb	S	S	S	203	S	S	S	S	S	S
1,000 to 9,999 lb	69	66	12	215	12	S	S	S	S	S
10,000 to 49,999 lb	389	1 109	190	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	98	S	S	S	S	S	S
100,000 lb or more	S	S	S	569	S	S	S	S	S	S
SCTG 11, Natural sands	252	43 611	2 290	37	157	38 022	761	18	1 858	178
Less than 50 lb	S	S	S	14	S	S	S	—	—	—
50 to 99 lb	S	S	S	21	S	S	S	—	—	—
100 to 499 lb	S	2	—	64	S	2	S	S	S	S
500 to 749 lb	S	S	S	13	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	389	15	S	5	343	3	S	S	S
10,000 to 49,999 lb	107	24 875	709	26	92	23 463	443	3	537	43
50,000 to 99,999 lb	65	15 476	752	50	50	12 728	295	6	1 108	107
100,000 lb or more	S	2 864	S	308	6	1 481	20	S	S	S
SCTG 12, Gravel and crushed stone	958	172 184	15 017	38	751	140 914	2 433	53	11 167	1 069
Less than 50 lb	S	S	S	14	S	S	S	—	—	—
50 to 99 lb	S	S	S	23	S	S	S	—	—	—
100 to 499 lb	S	S	S	30	S	2	—	S	S	S
500 to 749 lb	S	S	S	208	S	2	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	22	1 008	15	16	17	985	11	S	10	1
10,000 to 49,999 lb	484	88 617	3 095	35	451	83 633	1 311	17	2 663	241
50,000 to 99,999 lb	230	43 616	1 726	40	186	36 314	689	23	4 599	412
100,000 lb or more	220	38 933	10 180	124	96	19 974	422	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	1 337	13 556	4 082	235	415	7 270	195	S	1 042	105
Less than 50 lb	S	1	S	889	S	—	S	S	S	S
50 to 99 lb	S	1	—	S	S	1	S	S	S	S
100 to 499 lb	7	29	1	34	5	25	—	S	S	S
500 to 749 lb	S	S	S	43	S	S	S	S	S	S
750 to 999 lb	3	S	S	S	S	S	—	S	S	S
1,000 to 9,999 lb	93	626	37	S	65	577	S	7	16	1
10,000 to 49,999 lb	S	5 814	1 033	137	S	3 624	56	S	S	S
50,000 to 99,999 lb	S	1 284	296	238	S	209	S	S	376	36
100,000 lb or more	124	5 744	2 713	736	45	2 776	S	6	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	1 898	49 744	37 441	448	165	3 362	S	429	8 890	913
Less than 50 lb	S	S	—	394	S	S	S	—	—	—
50 to 99 lb	S	—	S	296	S	S	S	—	S	S
100 to 499 lb	103	S	S	894	S	S	S	—	—	—
500 to 749 lb	S	S	S	889	—	—	—	—	—	—
750 to 999 lb	S	S	S	614	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	235	S	S	S	S	S	S
10,000 to 49,999 lb	118	476	S	446	6	S	S	87	311	33
50,000 to 99,999 lb	S	S	S	631	3	36	S	S	S	S
100,000 lb or more	1 620	49 046	37 157	407	129	3 243	S	337	8 556	878
SCTG 15, Coal	337	34 826	564	S	307	34 504	498	6	200	22
Less than 50 lb	S	S	S	339	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	935	S	S	S	S	S	S
500 to 749 lb	S	S	S	6	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	38	387	42	113	S	321	S	S	S	S
50,000 to 99,999 lb	12	360	29	81	6	179	9	6	176	20
100,000 lb or more	285	34 075	492	S	285	34 001	475	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	10 298	40 805	5 029	33	7 271	27 722	593	1 073	4 462	397
Less than 50 lb	5	9	S	S	4	9	S	—	—	—
50 to 99 lb	13	31	S	23	13	30	S	S	S	S
100 to 499 lb	S	88	2	17	S	88	1	S	S	S
500 to 749 lb	28	61	1	17	28	60	1	S	S	S
750 to 999 lb	S	63	1	18	S	63	S	S	S	S
1,000 to 9,999 lb	874	2 531	53	20	829	2 415	39	33	96	8
10,000 to 49,999 lb	2 889	11 219	638	55	2 265	8 954	201	320	1 227	112
50,000 to 99,999 lb	3 677	14 037	1 013	72	2 520	9 236	250	720	3 138	277
100,000 lb or more	2 656	12 766	3 321	1 213	1 458	6 867	S	—	—	—
SCTG 18, Fuel oils	4 951	22 552	S	24	3 889	16 372	303	430	1 974	193
Less than 50 lb	S	S	S	54	S	S	S	S	S	S
50 to 99 lb	3	S	S	62	2	4	S	S	S	S
100 to 499 lb	50	133	2	19	48	129	2	S	S	S
500 to 749 lb	44	136	2	13	44	136	2	—	—	—
750 to 999 lb	54	212	2	11	53	211	2	S	S	S
1,000 to 9,999 lb	1 237	4 915	78	14	1 176	4 839	70	S	54	5
10,000 to 49,999 lb	882	3 882	179	40	714	3 172	61	91	407	36
50,000 to 99,999 lb	1 989	8 485	558	65	1 506	5 851	135	272	1 407	116
100,000 lb or more	692	4 776	S	694	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	5 383	34 738	6 293	67	2 179	13 072	241	837	5 051	362
Less than 50 lb	49	15	1	79	32	13	—	4	S	—
50 to 99 lb	23	12	1	63	15	10	—	1	1	—
100 to 499 lb	214	159	10	62	154	131	2	20	13	1
500 to 749 lb	130	155	S	S	81	133	1	S	8	1
750 to 999 lb	100	195	6	31	81	182	2	7	6	—
1,000 to 9,999 lb	1 411	2 407	128	43	940	1 984	30	151	142	13
10,000 to 49,999 lb	1 554	11 330	872	68	608	8 075	154	206	831	78
50,000 to 99,999 lb	447	3 693	450	125	S	S	35	S	S	S
100,000 lb or more	1 455	16 772	4 812	278	19	S	S	S	3 461	219
SCTG 20, Basic chemicals ..	4 501	15 151	12 329	292	1 019	1 929	35	284	668	64
Less than 50 lb	343	12	4	556	79	7	S	S	—	—
50 to 99 lb	53	20	1	62	29	17	—	3	1	—
100 to 499 lb	231	185	19	95	108	132	3	24	S	S
500 to 749 lb	83	S	6	S	S	S	1	6	S	S
750 to 999 lb	77	S	3	S	21	S	S	S	2	—
1,000 to 9,999 lb	933	580	64	92	343	401	7	68	54	5
10,000 to 49,999 lb	1 879	3 548	1 274	347	350	1 128	21	119	333	34
50,000 to 99,999 lb	178	1 714	1 681	976	11	59	S	S	S	S
100,000 lb or more	723	8 947	9 277	1 012	36	65	—	S	S	S
SCTG 21, Pharmaceutical products	17 329	861	497	447	2 594	117	2	1 406	82	8
Less than 50 lb	5 334	64	25	464	1 113	16	—	293	6	1
50 to 99 lb	2 035	39	13	321	283	9	—	328	5	—
100 to 499 lb	3 924	120	43	347	654	28	1	521	17	2
500 to 749 lb	1 008	31	15	475	S	4	S	48	3	—
750 to 999 lb	595	23	11	450	S	4	S	S	S	S
1,000 to 9,999 lb	2 180	176	72	387	173	20	—	S	S	S
10,000 to 49,999 lb	2 049	384	318	809	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	—	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	3 652	16 181	2 344	133	2 435	10 064	191	358	1 867	169
Less than 50 lb	2	2	—	831	S	S	S	S	S	S
50 to 99 lb	2	2	—	S	1	1	—	S	S	S
100 to 499 lb	14	23	1	29	12	22	—	1	1	—
500 to 749 lb	10	13	1	77	6	10	—	S	S	S
750 to 999 lb	S	27	1	S	S	26	S	S	—	S
1,000 to 9,999 lb	960	3 030	44	16	885	2 962	32	23	32	3
10,000 to 49,999 lb	1 497	6 612	529	54	1 019	4 630	95	179	861	77
50,000 to 99,999 lb	593	3 355	464	138	229	1 219	39	138	873	76
100,000 lb or more	559	3 120	1 304	405	S	S	25	16	99	12
SCTG 23, Chemical products and preparations, n.e.c.	20 395	8 976	4 316	306	5 891	3 478	60	1 240	346	31
Less than 50 lb	843	53	14	336	410	25	—	92	7	1
50 to 99 lb	521	45	9	187	293	27	—	31	3	—
100 to 499 lb	1 439	207	47	229	844	115	2	100	19	2
500 to 749 lb	416	83	24	276	204	37	1	47	8	1
750 to 999 lb	331	73	18	246	160	39	—	32	6	1
1,000 to 9,999 lb	4 151	1 069	373	331	1 426	417	8	524	97	10
10,000 to 49,999 lb	12 407	6 915	3 433	493	2 481	2 759	48	413	204	17
50,000 to 99,999 lb	167	S	S	796	S	45	—	S	S	S
100,000 lb or more	S	353	253	668	S	S	S	—	—	—
SCTG 24, Plastics and rubber	18 550	6 541	3 442	565	4 140	1 331	25	1 193	400	35
Less than 50 lb	1 763	93	47	665	547	30	1	87	7	1
50 to 99 lb	609	62	14	225	239	33	1	46	7	1
100 to 499 lb	2 364	375	97	244	856	169	4	240	47	4
500 to 749 lb	863	154	49	312	255	65	2	67	16	1
750 to 999 lb	686	124	53	421	144	43	1	44	12	1
1,000 to 9,999 lb	6 144	2 250	872	384	1 701	808	14	479	171	15
10,000 to 49,999 lb	5 630	2 966	1 867	613	396	180	3	230	139	12
50,000 to 99,999 lb	S	S	S	764	—	—	—	—	—	—
100,000 lb or more	479	507	437	874	S	S	S	—	—	—
SCTG 25, Logs and other wood in the rough	161	S	S	S	71	S	S	S	S	S
Less than 50 lb	S	S	S	498	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	52	S	S	S	—	—	—
500 to 749 lb	S	S	S	82	S	S	S	S	S	S
750 to 999 lb	S	S	S	31	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	81	S	79	100	38	S	S	10	S	S
50,000 to 99,999 lb	S	S	S	102	S	S	S	S	S	S
100,000 lb or more	S	S	S	422	S	S	S	S	S	S
SCTG 26, Wood products	9 874	12 757	4 441	527	2 809	4 927	121	1 275	2 223	211
Less than 50 lb	183	17	9	726	37	5	—	12	1	—
50 to 99 lb	117	32	S	905	61	11	—	11	2	—
100 to 499 lb	443	105	13	127	247	68	1	73	15	1
500 to 749 lb	145	54	9	168	72	29	1	18	8	1
750 to 999 lb	147	71	8	107	84	48	1	22	10	1
1,000 to 9,999 lb	2 392	2 082	236	117	1 125	1 281	26	292	310	29
10,000 to 49,999 lb	5 930	8 251	2 727	291	1 021	2 673	78	796	1 609	153
50,000 to 99,999 lb	229	914	132	146	81	431	10	45	182	16
100,000 lb or more	287	1 232	1 282	1 181	80	382	3	6	86	9
SCTG 27, Pulp, newsprint, paper, and paperboard	5 701	5 616	2 719	188	2 016	1 643	28	402	629	65
Less than 50 lb	128	12	2	292	72	8	—	11	1	—
50 to 99 lb	101	17	2	108	77	12	—	3	1	—
100 to 499 lb	445	138	14	99	288	92	1	47	18	2
500 to 749 lb	208	82	7	85	125	58	1	11	6	1
750 to 999 lb	154	58	6	106	103	36	1	15	S	S
1,000 to 9,999 lb	1 230	969	115	107	745	560	9	117	S	S
10,000 to 49,999 lb	2 550	3 176	1 346	327	596	854	15	S	S	S
50,000 to 99,999 lb	S	94	S	1 237	S	S	S	—	—	—
100,000 lb or more	855	1 070	1 107	1 035	S	S	S	S	S	S
SCTG 28, Paper or paperboard articles	7 781	4 759	1 571	380	2 790	1 608	34	772	750	67
Less than 50 lb	311	24	12	534	69	9	—	17	3	—
50 to 99 lb	127	28	S	301	68	17	—	10	3	—
100 to 499 lb	439	133	19	157	230	83	2	53	20	2
500 to 749 lb	162	66	12	192	83	36	1	27	11	1
750 to 999 lb	135	63	15	240	78	38	1	11	6	1
1,000 to 9,999 lb	2 452	1 232	344	233	1 347	605	12	259	168	14
10,000 to 49,999 lb	4 141	3 106	1 099	323	912	792	18	395	522	47
50,000 to 99,999 lb	6	49	S	291	3	S	S	S	S	S
100,000 lb or more	S	S	S	776	—	—	—	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	23 204	5 698	2 836	747	6 222	1 877	40	983	350	32
Less than 50 lb	6 448	389	S	788	993	100	1	204	16	2
50 to 99 lb	1 319	123	51	406	303	50	1	35	8	1
100 to 499 lb	3 456	415	151	340	1 095	198	4	123	30	3
500 to 749 lb	1 154	154	55	355	503	78	2	36	7	1
750 to 999 lb	484	102	39	379	129	41	1	27	11	1
1,000 to 9,999 lb	5 408	1 575	705	398	1 810	535	9	378	139	12
10,000 to 49,999 lb	4 803	2 748	1 337	488	1 365	844	22	179	136	12
50,000 to 99,999 lb	57	47	S	258	S	S	—	S	S	S
100,000 lb or more	S	S	S	1 036	S	S	S	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	13 506	1 335	832	979	1 886	259	7	820	115	11
Less than 50 lb	4 141	165	152	997	258	10	—	151	4	—
50 to 99 lb	560	26	16	615	67	5	—	33	2	—
100 to 499 lb	1 472	95	49	543	225	30	1	S	9	1
500 to 749 lb	355	27	15	540	47	7	—	20	2	—
750 to 999 lb	245	20	8	411	35	7	—	14	2	—
1,000 to 9,999 lb	2 674	263	82	334	572	83	2	330	30	3
10,000 to 49,999 lb	S	S	S	675	S	6	4	149	67	6
50,000 to 99,999 lb	30	S	S	921	S	S	S	S	S	S
100,000 lb or more	S	S	S	191	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	8 375	75 016	9 754	425	3 435	50 507	905	912	7 809	808
Less than 50 lb	247	61	S	822	60	7	—	15	2	—
50 to 99 lb	133	21	6	276	57	12	—	S	2	—
100 to 499 lb	392	105	19	197	163	72	1	15	5	—
500 to 749 lb	87	49	5	111	34	33	—	9	3	—
750 to 999 lb	59	51	5	94	21	39	—	8	3	—
1,000 to 9,999 lb	999	3 240	215	74	481	2 773	39	73	191	17
10,000 to 49,999 lb	4 662	45 842	5 195	107	1 863	34 583	589	438	2 994	269
50,000 to 99,999 lb	1 295	16 542	1 575	95	614	9 086	237	281	3 794	359
100,000 lb or more	502	9 106	2 686	372	142	S	38	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	14 876	16 139	6 995	353	4 235	4 943	103	1 526	1 865	176
Less than 50 lb	406	23	6	620	175	14	—	18	2	—
50 to 99 lb	203	29	5	165	86	17	—	12	3	—
100 to 499 lb	1 048	237	40	160	507	137	2	112	33	3
500 to 749 lb	406	137	27	193	137	67	1	S	S	S
750 to 999 lb	272	123	20	166	112	62	1	31	30	2
1,000 to 9,999 lb	4 551	3 369	597	163	1 566	1 477	40	570	629	60
10,000 to 49,999 lb	6 790	8 123	2 579	270	1 376	2 492	44	648	941	86
50,000 to 99,999 lb	460	656	163	222	179	319	S	51	87	8
100,000 lb or more	739	3 442	S	732	96	358	6	S	S	S
SCTG 33, Articles of base metal	16 662	12 957	S	439	4 014	2 715	84	1 357	768	70
Less than 50 lb	2 502	103	54	476	711	31	1	258	8	1
50 to 99 lb	771	57	18	313	224	25	—	68	8	1
100 to 499 lb	2 119	293	83	296	763	140	3	194	32	3
500 to 749 lb	1 007	125	40	313	210	49	1	54	13	1
750 to 999 lb	441	111	34	307	131	42	1	43	15	1
1,000 to 9,999 lb	4 750	1 984	663	335	1 243	744	15	415	181	16
10,000 to 49,999 lb	4 817	S	S	613	713	1 622	S	316	328	29
50,000 to 99,999 lb	158	261	124	512	11	S	S	S	S	S
100,000 lb or more	97	S	S	983	8	S	S	S	S	S
SCTG 34, Machinery	36 494	4 816	2 911	372	6 409	902	22	2 257	279	26
Less than 50 lb	4 813	136	53	350	1 277	51	1	415	14	1
50 to 99 lb	1 587	70	28	384	446	25	1	179	10	1
100 to 499 lb	4 003	315	151	447	1 038	107	2	359	26	2
500 to 749 lb	1 249	124	57	449	299	46	1	82	9	1
750 to 999 lb	998	93	61	645	117	14	—	42	6	1
1,000 to 9,999 lb	9 996	1 408	770	539	1 899	359	8	427	84	8
10,000 to 49,999 lb	13 293	2 536	1 704	679	1 310	287	8	672	122	12
50,000 to 99,999 lb	388	87	41	472	S	13	S	S	S	S
100,000 lb or more	S	48	48	1 131	—	—	—	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	49 296	3 095	2 221	710	8 479	583	13	1 624	102	9
Less than 50 lb	15 971	258	178	732	3 155	78	2	533	11	1
50 to 99 lb	3 605	111	57	508	912	49	1	140	8	1
100 to 499 lb	13 268	484	276	605	2 415	188	4	517	27	3
500 to 749 lb	3 111	139	84	597	501	44	1	S	6	1
750 to 999 lb	1 160	72	47	660	254	15	—	S	3	—
1,000 to 9,999 lb	8 532	769	567	735	922	115	3	212	31	3
10,000 to 49,999 lb	3 615	1 240	998	786	320	94	1	41	13	1
50,000 to 99,999 lb	S	10	S	455	S	S	S	S	S	S
100,000 lb or more	S	S	S	737	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	59 712	8 944	5 948	306	8 037	1 597	39	2 789	437	45
Less than 50 lb	4 381	198	80	288	1 394	76	1	524	16	2
50 to 99 lb	1 490	102	38	376	358	33	1	93	7	1
100 to 499 lb	3 501	273	89	320	530	70	2	321	34	3
500 to 749 lb	1 205	120	51	424	155	25	1	S	12	1
750 to 999 lb	937	100	30	298	S	35	S	149	14	2
1,000 to 9,999 lb	11 403	1 992	1 218	572	2 013	412	10	654	109	14
10,000 to 49,999 lb	27 884	4 489	3 060	655	2 810	618	15	924	220	21
50,000 to 99,999 lb	S	1 536	1 295	872	413	S	S	S	S	S
100,000 lb or more	115	135	S	484	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	10 408	438	410	894	549	10	—	94	9	1
Less than 50 lb	1 506	7	6	924	178	1	—	S	S	S
50 to 99 lb	387	3	2	668	S	1	—	S	S	S
100 to 499 lb	1 696	18	16	809	S	S	S	S	S	S
500 to 749 lb	503	11	7	700	S	S	S	—	—	—
750 to 999 lb	S	3	3	757	7	S	S	—	—	—
1,000 to 9,999 lb	2 941	163	169	917	34	2	—	63	6	1
10,000 to 49,999 lb	3 201	174	165	1 186	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	182	—	—	—	—	—	—
100,000 lb or more	S	58	S	706	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	14 110	371	291	728	3 636	72	1	422	22	2
Less than 50 lb	7 290	63	40	749	1 390	20	—	201	2	—
50 to 99 lb	1 360	28	15	493	593	12	S	19	1	—
100 to 499 lb	2 277	54	25	407	S	S	—	89	4	—
500 to 749 lb	351	12	6	473	95	3	—	S	2	—
750 to 999 lb	336	8	6	790	S	1	—	S	S	S
1,000 to 9,999 lb	1 289	37	29	674	489	9	—	3	1	—
10,000 to 49,999 lb	1 205	164	163	1 011	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	1 348	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	6 476	1 909	1 128	1 054	2 085	541	9	200	36	3
Less than 50 lb	527	78	84	1 179	85	3	—	11	1	—
50 to 99 lb	252	47	39	821	73	6	—	3	—	—
100 to 499 lb	849	97	37	364	416	42	1	S	5	—
500 to 749 lb	291	44	20	445	124	16	—	8	1	—
750 to 999 lb	283	46	24	536	69	11	—	15	2	—
1,000 to 9,999 lb	2 610	587	338	579	793	143	2	69	18	2
10,000 to 49,999 lb	1 354	740	541	742	277	95	1	18	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	468	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	34 203	6 062	3 229	876	4 699	1 623	32	1 433	367	35
Less than 50 lb	8 924	290	254	906	1 360	40	1	300	13	1
50 to 99 lb	1 653	98	72	739	295	24	—	59	5	—
100 to 499 lb	3 972	334	178	521	860	98	2	234	29	3
500 to 749 lb	S	135	74	545	186	36	1	53	8	1
750 to 999 lb	655	86	61	709	86	11	—	53	7	1
1,000 to 9,999 lb	7 024	1 195	709	574	857	274	6	272	56	5
10,000 to 49,999 lb	8 804	3 153	1 656	541	1 003	782	14	420	188	18
50,000 to 99,999 lb	284	337	99	291	S	S	S	39	S	S
100,000 lb or more	430	S	128	386	S	S	S	S	S	S
SCTG 41, Waste and scrap .	2 179	18 506	4 395	205	579	7 924	157	207	2 295	216
Less than 50 lb	S	S	S	962	S	S	S	S	S	S
50 to 99 lb	S	S	S	310	S	S	S	—	—	—
100 to 499 lb	S	S	S	205	S	S	S	S	S	S
500 to 749 lb	S	S	S	168	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	92	S	S	34	75	S	S	S	4	S
10,000 to 49,999 lb	1 298	8 581	1 444	122	310	4 621	92	133	1 154	110
50,000 to 99,999 lb	145	S	S	139	S	S	S	30	S	S
100,000 lb or more	617	5 412	2 359	439	131	1 072	20	42	325	41
SCTG 43, Mixed freight.....	17 240	12 318	S	291	5 159	3 484	87	2 879	1 383	131
Less than 50 lb	303	26	11	496	104	10	—	27	3	—
50 to 99 lb	185	30	7	223	44	12	—	55	7	1
100 to 499 lb	1 235	354	45	140	453	S	4	277	68	6
500 to 749 lb	614	164	27	161	175	73	1	155	39	4
750 to 999 lb	467	145	34	227	134	54	1	99	30	3
1,000 to 9,999 lb	4 109	1 915	339	175	1 097	623	15	671	295	28
10,000 to 49,999 lb	9 945	5 788	870	150	3 083	2 027	57	1 586	923	88
50,000 to 99,999 lb	114	88	S	167	S	S	—	S	S	S
100,000 lb or more	S	S	S	757	S	S	S	S	S	S

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	3 655	6 945	S	468	825	1 314	S	263	S	S
Less than 50 lb	528	13	7	590	128	4	—	S	S	S
50 to 99 lb	S	11	4	328	S	S	—	S	S	S
100 to 499 lb	446	51	12	255	97	29	—	15	4	—
500 to 749 lb	91	25	4	S	S	16	S	S	S	S
750 to 999 lb	125	28	7	S	S	S	S	S	S	S
1,000 to 9,999 lb	632	455	89	226	177	S	2	S	12	1
10,000 to 49,999 lb	885	771	315	262	247	303	3	S	S	S
50,000 to 99,999 lb	S	S	S	66	S	S	S	S	S	S
100,000 lb or more	S	S	S	738	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	85 288	134 345	30 214	92 955	112 235	57 434	68 135	69 405	59 527	57 783	54 878	64 181
Less than 50 lb	7 520	215	45	10 402	272	127	8 779	262	203	8 507	287	308
50 to 99 lb	2 626	151	31	2 863	126	58	1 793	68	53	1 662	76	80
100 to 499 lb	6 844	820	162	8 897	487	217	4 837	274	209	4 027	218	233
500 to 749 lb	3 225	408	79	2 670	226	101	2 569	134	103	1 181	107	116
750 to 999 lb	1 384	333	66	1 559	196	86	1 181	121	93	885	76	80
1,000 to 9,999 lb	15 901	6 957	1 389	16 705	3 966	1 740	10 925	2 278	1 724	10 127	1 499	1 588
10,000 to 49,999 lb	36 414	40 777	8 278	38 907	32 152	14 186	30 076	17 266	12 965	22 311	13 563	14 373
50,000 to 99,999 lb	5 052	33 116	6 505	3 481	12 399	4 809	2 908	2 263	1 697	S	1 151	1 282
100,000 lb or more	6 323	51 569	13 660	7 471	62 410	36 111	5 066	46 737	42 481	6 003	37 903	46 122
SCTG 01, Live animals and live fish	399	361	59	138	98	40	S	26	19	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	240	37	50	55	21	22	24	17	S	S	S
50,000 to 99,999 lb	28	26	5	30	23	9	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 02, Cereal grains	3 496	31 977	7 784	3 406	29 409	13 354	1 610	11 362	11 158	2 180	17 523	21 591
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	1	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	75	14	43	41	18	S	S	S	S	S	S
10,000 to 49,999 lb	107	875	175	331	1 829	S	345	277	216	188	215	223
50,000 to 99,999 lb	1 191	11 477	2 300	686	6 013	2 236	S	S	S	S	S	S
100,000 lb or more	2 164	19 550	5 294	2 344	21 522	10 307	1 125	10 440	10 446	1 964	17 281	21 337
SCTG 03, Other agricultural products	2 986	7 296	1 388	572	1 519	830	681	2 366	2 179	1 374	4 917	6 434
Less than 50 lb	16	1	—	S	S	S	S	1	1	S	1	1
50 to 99 lb	S	1	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	32	14	3	S	2	1	S	S	S	S	S	S
500 to 749 lb	13	10	2	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	299	365	69	62	63	22	12	S	S	S	S	S
10,000 to 49,999 lb	S	1 588	274	145	245	101	145	S	S	181	308	327
50,000 to 99,999 lb	721	2 881	461	38	155	57	8	18	14	S	S	S
100,000 lb or more	599	2 416	575	264	1 048	S	487	1 862	1 802	1 154	4 579	6 076
SCTG 04, Animal feed and products of animal origin, n.e.c.	2 700	7 756	1 666	2 182	5 396	2 535	1 409	2 941	2 296	809	1 586	1 805
Less than 50 lb	1	—	—	S	—	—	—	—	—	S	S	—
50 to 99 lb	S	S	S	2	1	—	—	S	S	S	—	—
100 to 499 lb	17	7	1	S	2	1	3	S	S	3	S	S
500 to 749 lb	12	6	1	S	S	S	2	1	—	S	S	S
750 to 999 lb	5	2	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	295	281	57	176	123	51	57	S	S	37	29	29
10,000 to 49,999 lb	1 569	3 637	739	1 384	2 306	1 023	1 037	1 598	1 220	589	685	741
50,000 to 99,999 lb	557	2 821	579	252	1 403	589	122	459	341	14	S	S
100,000 lb or more	244	1 001	290	351	1 557	870	182	825	689	158	807	961
SCTG 05, Meat, fish, seafood, and their preparations	5 021	2 569	555	6 669	3 360	1 541	4 919	2 377	1 801	4 132	1 847	1 921
Less than 50 lb	7	2	—	—	—	—	S	S	S	S	S	S
50 to 99 lb	11	2	—	S	S	S	S	S	S	—	S	S
100 to 499 lb	53	17	3	9	S	1	1	—	—	—	S	S
500 to 749 lb	33	15	3	S	S	S	S	S	S	2	S	1
750 to 999 lb	45	18	3	7	2	1	S	1	1	S	S	S
1,000 to 9,999 lb	573	275	57	631	211	93	338	116	87	391	118	125
10,000 to 49,999 lb	4 225	2 168	471	5 713	2 943	1 352	4 442	2 153	1 617	3 623	1 660	1 721
50,000 to 99,999 lb	20	42	10	S	S	7	17	S	S	S	S	S
100,000 lb or more	S	S	S	S	183	87	112	94	86	105	67	72
SCTG 06, Milled grain products and preparations, and bakery products	3 377	4 603	1 114	2 720	3 708	1 814	2 404	4 527	3 963	1 892	2 687	2 903
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	6	2	—	1	—	—	—	—	—	—	—	—
100 to 499 lb	S	37	7	19	8	3	1	1	—	1	S	S
500 to 749 lb	S	34	7	9	3	1	S	S	S	S	S	S
750 to 999 lb	41	35	7	14	7	2	S	S	S	S	S	S
1,000 to 9,999 lb	465	272	55	286	138	61	87	29	21	83	25	27
10,000 to 49,999 lb	2 267	2 390	507	1 920	2 120	997	1 694	1 740	1 351	1 419	1 208	1 202
50,000 to 99,999 lb	166	745	191	54	269	110	S	S	S	S	S	108
100,000 lb or more	270	1 086	340	280	1 159	638	548	2 718	2 559	329	1 350	1 564

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	6 819	10 315	2 158	5 278	6 319	2 914	3 112	3 768	3 003	2 466	3 045	3 360
Less than 50 lb	48	7	1	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	11	2	S	1	—	S	—	—	S	S	S
100 to 499 lb	190	99	18	47	15	6	10	3	2	S	3	3
500 to 749 lb	95	43	8	40	11	5	10	3	2	6	2	2
750 to 999 lb	66	38	7	37	10	4	17	4	3	6	2	2
1,000 to 9,999 lb	1 122	803	153	861	278	118	262	89	66	170	55	60
10,000 to 49,999 lb	4 421	6 549	1 321	3 342	3 360	1 384	2 070	1 441	1 064	1 508	1 131	1 161
50,000 to 99,999 lb	421	1 498	298	84	313	128	S	48	36	S	23	24
100,000 lb or more	422	1 268	349	837	2 328	1 268	680	2 178	1 828	739	1 829	2 108
SCTG 08, Alcoholic beverages	1 217	1 562	381	1 330	1 792	754	268	477	371	S	314	345
Less than 50 lb	2	1	—	1	—	—	S	S	S	S	S	S
50 to 99 lb	7	2	—	2	—	—	S	S	S	—	—	—
100 to 499 lb	54	17	3	10	3	1	S	S	S	—	—	—
500 to 749 lb	26	9	2	3	2	1	S	S	S	—	—	—
750 to 999 lb	20	7	1	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	100	50	10	S	9	4	8	S	S	3	1	2
10,000 to 49,999 lb	424	617	142	883	1 191	483	148	190	141	68	S	S
50,000 to 99,999 lb	224	564	127	S	363	147	S	S	S	—	—	—
100,000 lb or more	S	295	95	S	223	118	85	238	188	S	S	S
SCTG 09, Tobacco products	458	42	8	87	S	S	S	S	S	S	S	S
Less than 50 lb	39	1	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	1	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	147	6	1	8	2	S	S	S	S	—	—	—
500 to 749 lb	72	5	1	S	S	S	—	—	—	—	—	—
750 to 999 lb	19	3	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	105	17	3	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	27	54	22	35	34	27	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	4	S	S
10,000 to 49,999 lb	S	S	S	22	50	20	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	37	2 992	632	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	6	S	149	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	6	S	307	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	169	S	S	S	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	69	10 161	2 598	38	2 887	1 799	25	4 950	4 714	21	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	12	2	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	7	856	137	2	266	127	1	66	45	S	S	S
50,000 to 99,999 lb	18	2 424	451	3	200	88	—	—	—	S	S	S
100,000 lb or more	40	6 869	2 008	33	2 420	1 584	25	4 884	4 669	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	117	1 179	267	94	1 365	666	67	1 461	1 111	33	590	692
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	14	3	S	S	S	S	S	S	—	S	S
10,000 to 49,999 lb	82	551	117	70	663	302	23	181	131	15	103	112
50,000 to 99,999 lb	S	438	107	S	200	85	—	53	37	S	S	S
100,000 lb or more	2	176	41	8	499	278	S	1 211	928	17	479	569

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	S	27	7	367	13 452	11 932	583	16 258	13 988	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	—	—	S	—	—	S	S	S
500 to 749 lb	S	S	S	S	S	—	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	13
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	361	13 431	11 922	573	16 200	13 944	S	S	S
SCTG 15, Coal	S	S	S	S	S	S	7	15	11	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	7	14	11	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	930	4 075	804	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	18	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	216	778	145	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	1 306	260	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 18, Fuel oils	295	1 590	286	185	1 089	417	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	22	4	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	53	225	42	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	128	733	134	75	S	S	S	S	S	—	—	—
100,000 lb or more	S	608	105	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	1 343	11 425	2 844	738	4 421	1 905	182	S	S	72	64	74
Less than 50 lb	S	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	3	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	17	8	1	13	3	1	6	2	2	3	1	1
500 to 749 lb	5	5	1	3	1	1	S	S	S	S	S	S
750 to 999 lb	5	4	1	3	2	1	S	S	S	S	—	—
1,000 to 9,999 lb	191	209	41	68	42	18	28	15	11	20	8	8
10,000 to 49,999 lb	412	1 590	296	254	S	S	53	S	S	16	19	20
50,000 to 99,999 lb	79	1 044	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	625	8 564	2 299	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	457	1 836	402	939	S	S	543	S	S	583	2 355	3 007
Less than 50 lb	S	1	—	71	2	1	S	—	—	37	S	S
50 to 99 lb	7	1	—	9	1	—	S	S	S	S	S	—
100 to 499 lb	15	10	2	29	3	1	19	S	S	S	S	S
500 to 749 lb	10	4	1	4	1	1	3	S	S	S	S	S
750 to 999 lb	8	3	1	S	1	—	1	—	S	S	S	S
1,000 to 9,999 lb	85	59	12	S	45	17	S	6	5	86	9	10
10,000 to 49,999 lb	233	955	190	288	437	199	310	207	159	266	203	209
50,000 to 99,999 lb	22	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	41	493	132	S	S	S	114	S	S	139	S	S
SCTG 21, Pharmaceutical products	4 795	146	31	2 961	109	48	2 397	141	106	1 076	S	S
Less than 50 lb	1 574	18	4	923	10	5	602	5	4	374	4	4
50 to 99 lb	732	12	3	341	7	3	127	3	2	S	1	1
100 to 499 lb	1 353	35	7	720	17	8	158	8	6	155	6	7
500 to 749 lb	285	9	2	131	7	S	S	S	S	21	2	2
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	1	1
1,000 to 9,999 lb	549	41	9	635	45	S	374	30	21	150	9	9
10,000 to 49,999 lb	89	23	S	126	S	S	851	86	66	200	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	469	2 273	506	231	1 175	555	78	432	356	28	137	154
Less than 50 lb	S	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	—	—	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	40	29	6	7	5	2	S	S	S	S	S	S
10,000 to 49,999 lb	194	777	153	66	221	89	23	80	56	6	16	17
50,000 to 99,999 lb	152	908	183	65	314	131	6	30	21	S	S	S
100,000 lb or more	79	556	163	91	634	332	45	321	278	20	114	131
SCTG 23, Chemical products and preparations, n.e.c.	3 764	982	233	2 972	1 134	548	2 242	1 291	992	1 749	806	851
Less than 50 lb	105	7	1	93	5	2	75	4	3	39	3	3
50 to 99 lb	60	7	1	67	4	2	45	2	2	9	1	1
100 to 499 lb	195	29	6	122	16	7	65	12	8	48	7	7
500 to 749 lb	62	15	3	45	10	4	24	5	4	S	3	4
750 to 999 lb	40	10	2	32	6	3	S	4	3	14	3	3
1,000 to 9,999 lb	783	164	36	505	152	65	377	91	67	230	65	66
10,000 to 49,999 lb	2 513	738	181	2 100	825	385	1 533	1 044	823	1 298	515	542
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	2 662	1 020	228	3 931	1 588	742	2 491	934	724	1 797	672	721
Less than 50 lb	173	10	2	248	11	5	204	6	5	204	S	S
50 to 99 lb	94	10	2	106	6	3	30	3	2	37	2	2
100 to 499 lb	420	72	14	317	35	15	170	19	14	135	13	13
500 to 749 lb	134	26	5	147	17	8	95	12	9	S	10	S
750 to 999 lb	79	18	4	84	16	7	96	9	7	93	9	9
1,000 to 9,999 lb	957	317	65	1 096	367	163	781	273	201	503	166	177
10,000 to 49,999 lb	724	460	111	1 823	1 051	496	939	435	330	668	358	378
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	80	106	25	S	82	44	168	171	152	S	S	S
SCTG 25, Logs and other wood in the rough	25	154	29	21	73	30	8	13	11	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	16	86	17	12	40	17	3	6	4	S	S	S
50,000 to 99,999 lb	7	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products ..	1 649	2 188	431	1 462	1 265	589	770	543	445	902	394	438
Less than 50 lb	36	3	1	26	S	S	18	S	S	18	1	1
50 to 99 lb	11	2	—	13	2	1	5	—	—	3	—	1
100 to 499 lb	61	12	2	30	4	2	9	2	1	9	2	2
500 to 749 lb	25	10	2	11	2	1	5	1	1	7	2	2
750 to 999 lb	16	7	1	14	3	1	4	1	1	1	—	—
1,000 to 9,999 lb	411	327	61	234	87	35	104	26	20	104	25	27
10,000 to 49,999 lb	1 008	1 589	314	1 101	1 049	482	590	368	279	730	268	294
50,000 to 99,999 lb	62	206	41	19	56	24	8	18	13	4	12	13
100,000 lb or more	S	33	9	16	58	42	27	125	130	27	84	99
SCTG 27, Pulp, newsprint, paper, and paperboard ...	590	720	166	1 084	973	441	546	630	484	366	365	411
Less than 50 lb	17	2	—	17	1	—	3	—	—	2	—	—
50 to 99 lb	12	3	1	4	1	—	1	—	—	S	—	—
100 to 499 lb	47	16	3	41	8	3	4	1	1	S	S	S
500 to 749 lb	23	11	2	S	S	S	1	1	—	S	S	S
750 to 999 lb	S	8	2	S	6	2	S	S	S	S	S	S
1,000 to 9,999 lb	141	113	20	118	41	17	28	10	8	S	S	S
10,000 to 49,999 lb	316	545	134	645	678	302	319	335	257	169	169	189
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	195	216	107	188	279	215	S	S	S
SCTG 28, Paper or paperboard articles	1 111	844	179	1 250	626	276	854	343	251	473	305	320
Less than 50 lb	37	2	—	38	3	1	31	2	2	S	2	2
50 to 99 lb	10	2	—	12	1	1	6	1	1	S	1	1
100 to 499 lb	55	16	3	32	5	2	10	2	2	16	4	4
500 to 749 lb	21	8	2	8	2	1	S	2	1	4	S	S
750 to 999 lb	9	4	1	7	2	1	S	S	S	S	1	S
1,000 to 9,999 lb	345	193	39	197	74	33	91	41	30	73	S	S
10,000 to 49,999 lb	634	613	133	957	533	233	687	289	211	317	199	210
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	2 475	681	137	3 870	904	396	2 563	659	482	2 658	440	451
Less than 50 lb	451	24	5	987	48	22	958	48	36	1 245	S	S
50 to 99 lb	S	19	4	266	16	7	127	9	7	152	9	9
100 to 499 lb	366	42	8	556	49	22	335	29	22	193	19	20
500 to 749 lb	78	17	3	S	19	9	73	11	8	35	6	7
750 to 999 lb	62	14	2	89	12	5	56	10	8	67	6	7
1,000 to 9,999 lb	590	250	46	778	170	77	494	162	122	449	119	124
10,000 to 49,999 lb	723	308	68	863	545	238	519	389	278	517	203	205
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	1 861	154	29	2 813	225	101	2 006	194	146	1 316	117	126
Less than 50 lb	311	10	2	744	29	14	963	36	29	590	27	29
50 to 99 lb	40	2	—	138	6	3	67	3	2	83	3	3
100 to 499 lb	154	11	2	358	13	6	207	10	7	161	7	8
500 to 749 lb	61	5	1	S	3	1	77	5	3	39	4	4
750 to 999 lb	22	1	—	72	6	2	S	1	1	S	1	1
1,000 to 9,999 lb	S	55	10	567	53	23	107	17	12	115	11	12
10,000 to 49,999 lb	S	52	10	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	1 231	7 484	1 466	1 341	6 076	2 655	635	1 045	744	309	587	670
Less than 50 lb	28	2	1	47	S	S	28	2	1	32	S	S
50 to 99 lb	10	2	—	S	2	1	S	1	S	5	1	1
100 to 499 lb	60	9	2	49	7	3	S	4	3	14	2	2
500 to 749 lb	22	7	1	18	3	1	1	—	—	1	S	S
750 to 999 lb	8	4	1	7	1	—	S	2	S	S	—	—
1,000 to 9,999 lb	111	101	19	119	79	35	114	46	36	50	20	20
10,000 to 49,999 lb	614	3 160	647	893	3 171	1 354	338	737	524	203	518	595
50,000 to 99,999 lb	224	2 598	482	66	797	282	S	S	S	S	S	S
100,000 lb or more	153	1 600	312	123	1 995	968	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	2 736	2 589	524	2 841	2 380	1 071	1 510	1 369	1 051	1 084	S	S
Less than 50 lb	34	2	—	39	2	1	25	1	1	S	1	1
50 to 99 lb	45	4	1	13	2	1	17	1	1	11	1	1
100 to 499 lb	126	28	6	101	19	7	74	9	7	48	5	5
500 to 749 lb	58	18	4	65	14	6	58	7	5	22	3	3
750 to 999 lb	31	14	3	36	7	3	23	5	4	9	2	2
1,000 to 9,999 lb	935	708	128	728	311	129	356	140	104	216	61	64
10,000 to 49,999 lb	1 384	1 537	311	1 693	1 685	755	829	843	636	531	416	422
50,000 to 99,999 lb	70	114	22	S	64	33	S	S	S	S	S	S
100,000 lb or more	S	S	S	107	277	136	119	321	262	196	S	S
SCTG 33, Articles of base metal	2 587	2 183	469	3 037	1 817	826	2 291	S	S	1 345	S	S
Less than 50 lb	310	11	2	410	8	3	323	23	18	197	S	S
50 to 99 lb	87	8	2	100	6	3	S	5	4	46	2	3
100 to 499 lb	348	46	9	206	23	10	220	20	15	114	12	13
500 to 749 lb	114	24	5	S	14	7	56	8	6	68	8	8
750 to 999 lb	72	22	5	78	12	5	54	7	5	14	2	3
1,000 to 9,999 lb	954	476	109	750	200	91	524	149	117	356	99	107
10,000 to 49,999 lb	682	1 500	320	1 039	S	S	940	S	S	516	S	S
50,000 to 99,999 lb	S	S	—	S	S	S	11	S	10	S	S	S
100,000 lb or more	—	—	—	16	S	S	S	S	S	S	S	S
SCTG 34, Machinery	5 217	733	162	6 157	886	411	5 769	766	586	4 239	497	516
Less than 50 lb	861	25	5	667	14	7	541	10	8	376	8	9
50 to 99 lb	196	10	2	242	8	4	189	6	5	137	4	4
100 to 499 lb	451	36	7	683	43	20	454	30	23	401	35	37
500 to 749 lb	158	15	3	190	17	7	176	12	9	155	9	10
750 to 999 lb	86	11	2	225	20	9	258	19	15	79	9	9
1,000 to 9,999 lb	1 021	170	37	1 701	245	111	1 663	208	158	1 481	136	141
10,000 to 49,999 lb	2 366	440	98	2 400	531	249	2 346	438	337	1 548	280	287
50,000 to 99,999 lb	S	27	6	S	S	S	90	22	16	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	3 784	284	65	8 264	666	316	5 949	411	310	7 789	320	339
Less than 50 lb	1 117	20	4	2 360	27	13	1 673	27	22	1 923	32	35
50 to 99 lb	266	9	2	511	11	5	286	6	4	562	11	12
100 to 499 lb	800	31	7	2 453	68	34	1 772	39	31	1 675	37	41
500 to 749 lb	S	18	4	314	13	6	S	17	13	262	10	11
750 to 999 lb	128	9	2	290	14	7	129	8	6	62	8	8
1,000 to 9,999 lb	665	81	18	1 430	181	83	853	101	76	S	78	83
10,000 to 49,999 lb	245	112	27	895	346	165	657	212	156	429	140	145
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	6 686	1 154	240	11 953	1 815	848	10 097	1 394	1 068	8 990	1 146	1 273
Less than 50 lb	759	29	6	623	23	10	375	18	15	366	16	17
50 to 99 lb	404	20	5	289	19	9	162	12	9	127	8	8
100 to 499 lb	808	81	16	S	43	18	207	18	14	104	9	10
500 to 749 lb	177	25	5	388	28	11	185	15	5	S	S	S
750 to 999 lb	158	17	3	148	18	8	38	6	2	S	S	S
1,000 to 9,999 lb	1 368	321	69	2 227	392	180	1 695	256	197	778	131	144
10,000 to 49,999 lb	2 710	558	112	5 554	1 059	494	5 187	735	557	4 660	607	664
50,000 to 99,999 lb	S	60	S	S	S	S	S	334	260	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	S	S	S
SCTG 37, Transportation equipment, n.e.c.	561	50	11	1 321	132	65	2 055	69	54	1 528	43	45
Less than 50 lb	100	1	—	335	2	1	S	S	S	S	S	S
50 to 99 lb	74	S	S	72	1	—	38	—	S	S	—	S
100 to 499 lb	S	S	S	315	3	2	S	3	2	147	3	3
500 to 749 lb	S	1	—	S	1	1	S	S	S	S	2	2
750 to 999 lb	3	—	—	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	219	16	3	337	29	14	359	28	21	503	25	25
10,000 to 49,999 lb	34	28	7	178	S	S	S	22	17	S	8	9
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	792	32	6	1 970	34	17	1 685	56	45	1 815	36	40
Less than 50 lb	473	6	1	1 174	8	4	933	8	6	1 220	6	7
50 to 99 lb	43	S	—	200	4	2	103	2	1	136	S	S
100 to 499 lb	116	5	1	333	5	3	167	5	4	206	4	4
500 to 749 lb	21	S	S	72	2	1	S	S	S	16	S	1
750 to 999 lb	S	S	S	36	1	—	S	1	S	S	1	1
1,000 to 9,999 lb	56	5	1	81	3	2	204	4	3	86	4	4
10,000 to 49,999 lb	S	9	1	S	S	S	193	35	29	115	12	12
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	709	304	79	954	283	133	799	241	181	652	180	186
Less than 50 lb	33	3	1	61	10	5	72	S	8	83	13	14
50 to 99 lb	13	2	—	S	S	S	10	1	1	S	S	S
100 to 499 lb	63	12	3	100	15	6	76	9	7	49	7	7
500 to 749 lb	30	5	1	51	9	4	25	4	3	19	3	3
750 to 999 lb	57	7	2	49	9	4	31	5	4	21	4	4
1,000 to 9,999 lb	290	81	18	444	116	54	366	89	69	291	64	66
10,000 to 49,999 lb	206	171	47	197	115	56	209	116	84	140	70	73
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products	4 093	827	174	6 224	1 012	462	6 311	791	587	4 535	691	730
Less than 50 lb	824	21	5	1 247	34	16	1 534	48	36	1 343	47	53
50 to 99 lb	129	8	2	315	14	6	252	10	8	173	10	11
100 to 499 lb	357	41	8	666	48	22	559	37	29	441	28	31
500 to 749 lb	S	23	4	225	18	8	S	16	12	194	16	17
750 to 999 lb	33	7	2	114	19	9	112	10	8	98	9	10
1,000 to 9,999 lb	629	165	34	1 646	204	90	1 336	181	137	928	125	134
10,000 to 49,999 lb	1 144	442	94	1 832	577	265	1 694	424	309	1 169	418	433
50,000 to 99,999 lb	64	93	18	64	51	23	46	27	20	14	10	11
100,000 lb or more	37	27	7	114	48	23	S	36	29	S	S	S
SCTG 41, Waste and scrap	428	3 021	685	602	3 539	1 606	239	1 245	1 002	53	188	209
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	13	3	2	2	1	S	S	S	—	—	—
10,000 to 49,999 lb	245	1 064	226	413	1 294	524	105	205	141	35	S	S
50,000 to 99,999 lb	27	S	S	S	S	S	S	S	22	S	32	33
100,000 lb or more	143	1 134	291	164	1 689	871	119	1 010	837	S	68	79
SCTG 43, Mixed freight	6 520	3 414	648	1 305	S	S	395	S	S	527	S	S
Less than 50 lb	46	4	1	33	2	1	S	S	S	22	1	1
50 to 99 lb	37	4	1	S	S	S	S	—	—	S	1	1
100 to 499 lb	322	68	13	S	14	6	27	S	S	12	3	3
500 to 749 lb	136	29	5	S	11	5	27	4	3	S	S	S
750 to 999 lb	85	31	6	49	10	4	S	S	S	S	S	S
1,000 to 9,999 lb	1 568	729	145	516	213	93	110	21	15	S	8	9
10,000 to 49,999 lb	4 242	2 432	456	501	239	102	162	62	43	303	86	93
50,000 to 99,999 lb	34	32	6	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	619	S	S	877	S	S	421	217	182	265	66	69
Less than 50 lb	S	S	S	S	1	—	S	1	1	26	1	1
50 to 99 lb	S	S	S	S	1	—	S	S	S	S	S	S
100 to 499 lb	28	S	S	S	S	S	25	1	1	S	S	2
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	—	—
750 to 999 lb	S	S	S	S	S	S	8	S	S	S	S	S
1,000 to 9,999 lb	S	77	18	102	33	15	57	13	10	57	S	S
10,000 to 49,999 lb	41	35	7	S	S	S	78	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	76 866	73 588	124 125	15 748	5 116	10 458	700	S	S
Less than 50 lb	11 538	338	492	3 608	66	130	311	S	S
50 to 99 lb	2 223	95	146	504	24	46	S	3	8
100 to 499 lb	7 303	317	473	1 409	54	106	S	6	21
500 to 749 lb	1 941	115	170	252	26	52	S	S	S
750 to 999 lb	1 017	112	162	229	20	41	S	S	S
1,000 to 9,999 lb	12 499	2 026	3 017	2 270	414	820	29	7	22
10,000 to 49,999 lb	30 731	13 400	20 451	5 709	2 290	4 536	28	12	S
50,000 to 99,999 lb	1 164	1 395	2 257	S	342	719	S	S	S
100,000 lb or more	8 449	55 788	96 957	472	1 879	4 009	—	—	—
SCTG 01, Live animals and live fish	S	20	30	S	S	S	—	—	—
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	17	17	26	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	4 067	33 805	60 133	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	32	47	S	S	S	—	—	—
10,000 to 49,999 lb	354	386	587	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	3 659	33 368	59 473	—	—	—	—	—	—
SCTG 03, Other agricultural products	1 481	5 751	9 397	S	S	S	—	—	—
Less than 50 lb	12	1	1	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	5	S	7	S	S	S	—	—	—
10,000 to 49,999 lb	190	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	1 248	5 291	8 714	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	1 496	3 442	5 847	101	90	189	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	53	26	39	S	S	S	—	—	—
10,000 to 49,999 lb	902	1 262	2 063	70	63	128	S	S	S
50,000 to 99,999 lb	45	75	111	S	S	S	—	—	—
100,000 lb or more	486	2 077	3 633	S	S	S	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	10 165	3 607	5 391	712	289	559	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	2	—	1	S	S	S	—	—	—
500 to 749 lb	S	1	1	S	S	S	—	—	—
750 to 999 lb	S	S	S	3	—	1	—	—	—
1,000 to 9,999 lb	1 163	282	421	59	15	28	—	—	—
10,000 to 49,999 lb	8 636	3 111	4 626	539	200	374	—	—	—
50,000 to 99,999 lb	S	156	245	S	S	S	S	S	S
100,000 lb or more	83	55	93	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	1 621	3 115	4 940	433	470	926	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	2	S	2	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	1	S	S	S	—	—	—
1,000 to 9,999 lb	45	29	40	9	6	11	S	S	S
10,000 to 49,999 lb	1 032	1 034	1 535	S	259	485	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	484	2 040	3 347	33	172	365	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	3 136	4 055	6 758	447	785	1 644	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S
100 to 499 lb	5	2	4	S	S	S	—	—	—
500 to 749 lb	7	2	3	S	S	S	—	—	—
750 to 999 lb	S	4	6	S	S	S	—	—	—
1,000 to 9,999 lb	194	70	108	82	13	26	S	S	S
10,000 to 49,999 lb	1 689	1 039	1 549	228	188	380	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	1 181	2 914	5 054	106	566	1 202	—	—	—
SCTG 08, Alcoholic beverages	227	378	622	97	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	12	2	4	S	S	S	—	—	—
10,000 to 49,999 lb	100	97	133	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 09, Tobacco products	S	—	S	S	S	S	—	—	—
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	72	46	72	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	23	33	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 11, Natural sands	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	38	633	1 016	S	S	S	—	—	—
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	22	161	232	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	15	472	782	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	192	S	S	S	S	S	—	—	—
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	85	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 15, Coal	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	31	S	S	S	S	S	—	—	—
Less than 50 lb	—	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	8	S	S	S	—	—	—
10,000 to 49,999 lb	S	4	5	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 20, Basic chemicals	536	3 453	5 706	128	85	170	S	S	S
Less than 50 lb	S	S	S	S	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	7	1	1	4	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	19	3	4	S	2	5	—	—	—
10,000 to 49,999 lb	254	246	388	59	38	75	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 21, Pharmaceutical products	1 780	60	86	274	16	31	S	—	1
Less than 50 lb	261	3	4	151	1	3	S	—	—
50 to 99 lb	183	1	2	S	S	S	S	S	S
100 to 499 lb	S	8	11	24	1	2	S	S	S
500 to 749 lb	S	3	4	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	109	5	7	S	S	S	—	—	—
10,000 to 49,999 lb	699	39	55	S	12	23	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	48	214	370	S	S	S	—	—	—
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	8	24	36	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	36	185	326	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	1 472	557	831	1 055	382	766	S	S	S
Less than 50 lb	23	1	2	6	1	1	S	—	S
50 to 99 lb	S	1	2	S	S	S	—	—	—
100 to 499 lb	56	7	S	8	2	4	S	S	S
500 to 749 lb	S	2	3	S	S	S	S	S	S
750 to 999 lb	13	3	4	S	1	2	—	—	—
1,000 to 9,999 lb	267	67	92	39	15	30	S	S	S
10,000 to 49,999 lb	1 082	470	712	987	361	726	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 24, Plastics and rubber	1 716	433	635	617	162	332	S	S	S
Less than 50 lb	226	6	9	68	2	3	S	S	S
50 to 99 lb	45	2	3	11	1	1	—	—	—
100 to 499 lb	183	16	25	43	3	7	S	S	S
500 to 749 lb	73	6	9	9	1	3	—	—	—
750 to 999 lb	113	15	20	S	2	4	—	—	—
1,000 to 9,999 lb	449	110	162	178	37	75	—	—	—
10,000 to 49,999 lb	627	277	405	223	66	132	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	51	50	108	—	—	—
SCTG 25, Logs and other wood in the rough	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 26, Wood products	856	1 023	1 738	151	194	469	S	S	S
Less than 50 lb	30	3	4	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	15	2	3	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	5	1	2	S	S	S	—	—	—
1,000 to 9,999 lb	106	22	30	16	5	9	—	—	—
10,000 to 49,999 lb	587	S	S	97	39	79	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	82	317	613	31	149	377	—	—	—
SCTG 27, Pulp, newsprint, paper, and paperboard	495	514	809	201	142	314	S	S	S
Less than 50 lb	6	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	163	171	248	152	78	166	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	252	310	514	S	S	S	—	—	—
SCTG 28, Paper or paperboard articles	419	235	352	112	46	90	S	S	S
Less than 50 lb	S	3	4	S	1	3	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	4	S	S	S	—	—	—
500 to 749 lb	S	1	2	S	S	S	—	—	—
750 to 999 lb	6	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	129	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	178	119	171	61	39	76	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	3 625	579	856	709	195	388	S	S	S
Less than 50 lb	1 195	48	72	323	S	S	S	S	S
50 to 99 lb	177	10	15	S	S	S	S	S	S
100 to 499 lb	725	45	64	63	4	7	S	S	S
500 to 749 lb	117	12	18	S	S	S	S	S	S
750 to 999 lb	42	8	12	S	S	S	—	—	—
1,000 to 9,999 lb	830	181	276	78	18	34	S	S	S
10,000 to 49,999 lb	530	238	352	108	83	163	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	2 431	S	S	339	25	49	33	S	S
Less than 50 lb	896	41	58	201	4	9	26	S	S
50 to 99 lb	S	S	S	9	—	1	S	S	S
100 to 499 lb	199	11	16	49	4	7	S	S	S
500 to 749 lb	40	2	3	11	1	2	—	—	—
750 to 999 lb	S	2	2	S	S	S	—	—	—
1,000 to 9,999 lb	172	11	16	S	3	5	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	363	S	S	149	328	686	S	S	S
Less than 50 lb	33	S	S	S	—	—	S	S	S
50 to 99 lb	8	1	1	S	S	S	—	—	—
100 to 499 lb	46	4	6	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	40	23	35	12	6	13	S	S	S
10,000 to 49,999 lb	215	S	S	97	S	407	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	10	S	S	S	S	S	—	—	—
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	586	S	S	343	115	241	S	S	S
Less than 50 lb	S	S	S	S	—	—	S	S	S
50 to 99 lb	14	1	1	S	—	—	S	S	S
100 to 499 lb	68	6	8	11	1	1	S	S	S
500 to 749 lb	22	3	5	S	S	S	S	S	S
750 to 999 lb	30	3	5	S	S	S	—	—	—
1,000 to 9,999 lb	102	32	46	64	12	24	S	S	S
10,000 to 49,999 lb	185	174	253	144	36	71	—	—	—
50,000 to 99,999 lb	S	8	14	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 33, Articles of base metal	1 719	S	S	300	149	294	12	S	S
Less than 50 lb	218	11	16	70	1	3	S	—	—
50 to 99 lb	67	3	5	S	—	1	S	S	S
100 to 499 lb	250	18	25	22	2	3	S	S	S
500 to 749 lb	108	8	11	S	—	—	S	S	S
750 to 999 lb	45	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	444	110	157	63	S	S	S	S	S
10,000 to 49,999 lb	514	S	S	94	S	87	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	19	38	66	S	S	S	—	—	—
SCTG 34, Machinery	5 342	631	940	1 093	120	239	9	S	S
Less than 50 lb	541	11	17	132	S	S	S	—	—
50 to 99 lb	158	5	8	S	S	S	S	S	S
100 to 499 lb	519	33	49	99	4	9	S	S	S
500 to 749 lb	156	13	21	33	2	4	S	S	S
750 to 999 lb	166	13	19	25	3	5	S	S	S
1,000 to 9,999 lb	1 695	191	279	109	15	28	S	S	S
10,000 to 49,999 lb	1 999	347	525	646	89	178	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	10 524	553	816	2 571	169	333	S	S	S
Less than 50 lb	3 899	55	81	1 260	9	18	S	—	2
50 to 99 lb	757	14	23	81	2	4	S	S	S
100 to 499 lb	2 977	74	114	485	15	29	S	S	S
500 to 749 lb	717	23	34	66	S	S	S	S	S
750 to 999 lb	195	10	14	S	S	S	—	—	—
1,000 to 9,999 lb	1 271	104	149	312	S	S	—	—	—
10,000 to 49,999 lb	701	272	400	S	51	102	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	8 563	1 012	1 624	2 579	386	807	S	S	S
Less than 50 lb	287	15	22	54	S	S	1	—	—
50 to 99 lb	43	4	6	4	—	—	S	S	S
100 to 499 lb	205	16	24	9	1	2	S	S	S
500 to 749 lb	141	10	15	2	—	1	—	—	—
750 to 999 lb	21	3	4	S	S	S	—	—	—
1,000 to 9,999 lb	2 304	314	S	360	56	S	S	S	S
10,000 to 49,999 lb	4 988	522	856	1 047	169	341	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	S	S	S	S	8	16	S	S	S
Less than 50 lb	374	1	2	69	S	—	S	S	S
50 to 99 lb	36	—	1	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	1	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	4	7	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	2 785	105	153	979	13	26	28	—	1
Less than 50 lb	1 227	10	15	648	S	S	23	—	—
50 to 99 lb	212	3	4	53	1	2	S	S	S
100 to 499 lb	309	6	9	46	S	S	S	S	S
500 to 749 lb	36	1	2	12	S	1	—	—	—
750 to 999 lb	116	2	3	S	S	S	—	—	—
1,000 to 9,999 lb	182	7	10	188	4	9	—	—	—
10,000 to 49,999 lb	703	77	110	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	843	251	357	221	66	129	S	S	S
Less than 50 lb	159	32	42	S	S	S	S	S	S
50 to 99 lb	52	11	S	2	—	1	S	S	S
100 to 499 lb	57	6	9	10	2	3	S	S	S
500 to 749 lb	23	3	5	10	2	4	S	S	S
750 to 999 lb	32	6	8	S	S	S	—	—	—
1,000 to 9,999 lb	243	51	75	112	25	49	S	S	S
10,000 to 49,999 lb	260	132	189	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	5 583	596	886	1 272	150	294	54	5	S
Less than 50 lb	1 866	72	109	418	13	25	S	S	S
50 to 99 lb	279	17	25	147	9	18	S	—	—
100 to 499 lb	680	44	66	171	9	17	S	S	S
500 to 749 lb	192	14	21	31	5	9	S	S	S
750 to 999 lb	122	18	26	28	3	6	S	S	S
1,000 to 9,999 lb	1 075	135	196	277	54	104	S	S	S
10,000 to 49,999 lb	1 340	271	404	196	50	101	S	S	S
50,000 to 99,999 lb	S	8	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 41, Waste and scrap .	59	212	348	S	82	173	—	—	—
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	50	140	224	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	3	52	89	S	S	S	—	—	—
SCTG 43, Mixed freight	392	S	S	S	S	S	S	S	S
Less than 50 lb	25	2	3	S	S	S	S	S	S
50 to 99 lb	S	—	1	S	S	S	—	—	—
100 to 499 lb	S	5	7	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	217	S	S	S	5	11	S	S	S
Less than 50 lb	35	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	13	S	S	S	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	34	13	18	S	S	S	S	S	S
10,000 to 49,999 lb	95	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in

1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

Item	1993	1997
1. Industry coverage	Manufacturers (minor exceptions) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses Auxiliaries (e.g., warehouses)
2. Commodity classification system	Standard Transportation Commodity Classification (STCC), developed by the American Association of Railroads (AAR).	Standard Classification of Transported Goods (SCTG).
3. Sample size	Approximately 200,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1992 Standard Statistical Establishment List (SSEL).	Approximately 100,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1995 Standard Statistical Establishment List (SSEL).
4. Survey methodology	Respondents took a sample of their individual outbound shipments for a 2-week period during each of the four calendar quarters of 1993. Respondents reported key characteristics for each sampled shipment.	Respondents took a sample of their individual outbound shipments for a 1-week period during each of the four calendar quarters of 1997. Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	For each shipment: Total value Total weight Major commodity (STCC) All modes of transportation Multiple origins (respondents specifically requested to report all shipment origins for the sampled establishment and report the appropriate origin for each shipment; assumed to always be the mailing address if no other origins listed). Destination Containerized (Y/N) Hazardous material (Y/N) Export (Y/N) If export, mode of export, foreign country, and city of destination.	For each shipment: Total value Total weight Major commodity (SCTG) All modes of transportation Single origin (assumed to be the mailing address unless the respondent provided a different physical location address). Destination Containerized (Y/N) Hazardous material (UN/NA codes) Export (Y/N) If export, mode of export, foreign country, and city of destination.

Appendix B. Reliability of the Estimates

An estimate based on a sample survey potentially contains two types of errors—sampling and nonsampling. Sampling error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The bias of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. Variance is the squared difference, averaged over all possible samples of the same size and design, between an estimator and its average value. Descriptions of sampling and nonsampling errors for the 1997 Commodity Flow Survey (CFS) are provided in the following sections.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of all the shipments made in 1997 from all establishments included on the CFS sampling frame is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling. (See Appendix C for a description of the sample design.)

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the

sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

An estimate of an unknown population value and its approximate standard error can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability, or confidence, of containing the unknown population value. If, for each possible sample, an estimate of an unknown population value and the estimate's approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the unknown population value.
2. For approximately 95 percent of the possible samples, the interval from two standard errors below to two standard errors above the estimate would include the unknown population value.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources: (1) nonresponse, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) other errors of collection, response, coverage, and processing. Although no direct measurement of the potential biases because of nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize its influence.

A potentially large source of bias in the estimates is due to nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all the selected establishments. Four levels of nonresponse can occur in the CFS: item, shipment, quarter (reporting week), and establishment. Item nonresponse

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been

returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

Some possible sources of bias that are attributed to respondent-conducted sampling include misunderstanding the definition of a shipment, constructing an incomplete frame of shipments from which to sample, ordering the shipment sampling frame by selected shipment characteristics, and selecting shipment records by a method other than the one specified in the questionnaire's instructions. We often contacted respondents who reported shipments having atypically large value or weight when compared to the rest of their reported shipments. Upon contact, if we are able to collect information on all of a given respondent's large shipments made either for a particular reporting week or for the entire quarter, then we identify these large shipments as certainty shipments. (See Appendix C for a description of how certainty shipments are used in the estimation process.)

Table B-1a. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	1.9	—	3.0	—	6.2	—	6.4
Single modes	2.3	.9	3.0	1.2	6.4	1.9	3.6
Truck	1.7	1.0	3.7	1.5	5.5	2.1	3.0
For-hire truck	2.4	1.0	5.3	1.4	5.8	1.7	5.5
Private truck	3.0	.8	4.6	1.2	6.5	.5	3.7
Rail	17.0	1.2	9.0	1.6	11.6	2.9	5.2
Water	16.8	.1	15.5	.7	16.6	1.8	7.7
Shallow draft	17.0	.1	15.2	.6	17.2	1.8	7.7
Great Lakes	50.0	—	S	S	S	S	21.4
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	7.6	.2	18.5	—	22.6	—	1.8
Pipeline	34.9	.2	37.6	.5	S	S	S
Multiple modes	6.2	.8	23.9	.7	23.6	1.8	4.4
Parcel, U.S. Postal Service or courier	6.4	.8	8.1	—	11.4	—	4.4
Truck and rail	23.8	.3	19.8	—	18.3	.3	3.9
Truck and water	S	S	S	S	S	S	17.5
Rail and water	30.3	—	30.7	.6	31.2	1.7	13.9
Other multiple modes	S	S	S	S	38.6	—	S
Other and unknown modes	8.1	.3	17.0	.8	28.3	.6	25.8

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	1.9	1.8	3.3	3.0	2.8	5.1	6.2	7.7	12.6	6.4	6.1	11.2
Single modes	2.3	2.0	3.8	3.0	3.0	5.1	6.4	8.4	13.3	3.6	11.9	11.3
Truck	1.7	2.2	3.4	3.7	3.3	6.1	5.5	2.7	7.9	3.0	7.7	7.7
For-hire truck	2.4	3.0	4.5	5.3	4.5	8.6	5.8	2.0	8.4	5.5	4.7	5.9
Private truck	3.0	2.5	4.9	4.6	4.0	7.3	6.5	7.7	10.7	3.7	3.4	5.0
Rail	17.0	6.3	30.3	9.0	10.2	17.5	11.6	12.1	23.4	5.2	3.2	6.2
Water	16.8	28.0	33.2	15.5	23.2	25.3	16.6	28.9	27.5	7.7	32.6	38.6
Shallow draft	17.0	29.0	34.0	15.2	23.5	25.4	17.2	30.0	29.2	7.7	13.4	18.9
Great Lakes	50.0	S	S	S	S	S	S	S	S	21.4	20.5	20.5
Deep draft	S	44.6	S	S	38.6	S	S	39.3	S	21.8	20.3	—
Air (includes truck and air)	7.6	30.9	29.6	18.5	S	S	22.6	44.6	51.5	1.8	6.5	7.2
Pipeline	34.9	26.1	71.6	37.6	24.4	57.6	S	S	S	S	S	S
Multiple modes	6.2	5.0	12.4	23.9	33.0	70.0	23.6	34.9	74.1	4.4	4.3	7.4
Parcel, U.S. Postal Service or courier	6.4	4.2	12.7	8.1	9.1	16.0	11.4	13.3	26.8	4.4	4.3	7.4
Truck and rail	23.8	34.1	40.4	19.8	13.3	45.3	18.3	15.0	48.0	3.9	7.2	8.6
Truck and water	S	43.6	S	S	S	S	S	S	S	17.5	35.9	67.6
Rail and water	30.3	45.2	145.1	30.7	S	S	31.2	S	S	13.9	17.7	36.1
Other multiple modes	S	S	S	S	S	S	38.6	S	S	S	22.7	S
Other and unknown modes ...	8.1	12.0	16.5	17.0	21.7	35.2	28.3	S	S	25.8	21.9	17.4

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1c. Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Division: Percent of Total 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes	.9	.7	1.2	1.1	1.9	2.2
Truck	1.0	1.0	1.5	1.7	2.1	2.8
For-hire truck	1.0	.9	1.4	1.4	1.7	2.1
Private truck	.8	.7	1.2	1.1	.5	.9
Rail	1.2	.4	1.6	1.6	2.9	2.8
Water	.1	.2	.7	1.2	1.8	3.5
Shallow draft	.1	.2	.6	1.1	1.8	3.3
Great Lakes	—	S	S	S	S	S
Deep draft	S	—	S	—	S	—
Air (includes truck and air)	.2	.8	—	S	—	—
Pipeline	.2	.1	.5	.4	S	S
Multiple modes	.8	.6	.7	.7	1.8	1.7
Parcel, U.S. Postal Service or courier	.8	.5	—	—	—	—
Truck and rail	.3	.5	—	—	.3	.2
Truck and water	S	—	S	S	S	S
Rail and water	—	—	.6	S	1.7	S
Other multiple modes	S	S	S	S	—	S
Other and unknown modes	.3	.4	.8	1.0	.6	S

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-2. Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	6.2	—	6.5
Truck	5.4	2.1	2.9
Rail	11.2	2.9	4.7
Shallow draft	17.7	1.9	6.9
Great Lakes	26.1	1.3	14.7
Deep draft	S	S	15.7
Air	22.5	—	1.9
Parcel, U.S. Postal Service or courier	11.4	—	4.4
Pipeline	S	S	S
Other and unknown modes	28.2	.6	26.0

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	1.9	—	3.0	—	6.2	—
Less than 50 miles	1.7	.7	4.9	1.5	5.3	.2
50 to 99 miles	4.8	.3	6.1	.7	6.6	.2
100 to 249 miles	3.1	.4	6.0	.8	7.2	.8
250 to 499 miles	3.1	.3	9.1	.8	11.1	1.2
500 to 749 miles	3.8	.3	9.5	.6	10.6	1.4
750 to 999 miles	5.8	.4	13.0	.6	12.4	1.7
1,000 to 1,499 miles	5.3	.5	10.2	.6	10.9	2.0
1,500 to 1,999 miles	7.1	.2	7.3	—	7.2	.2
2,000 miles or more	25.0	—	S	S	S	S
Single modes	2.3	—	3.0	—	6.4	—
Less than 50 miles	1.8	.7	4.7	1.4	5.5	.2
50 to 99 miles	5.3	.4	6.1	.7	6.6	.2
100 to 249 miles	3.4	.5	6.1	.8	7.3	.9
250 to 499 miles	3.1	.3	7.5	.6	7.3	.8
500 to 749 miles	4.4	.3	11.7	.7	12.8	1.6
750 to 999 miles	8.0	.5	14.2	.6	13.6	1.7
1,000 to 1,499 miles	6.9	.6	10.7	.7	11.5	2.2
1,500 to 1,999 miles	8.4	.2	8.3	—	8.3	.2
2,000 miles or more	31.8	—	28.0	—	33.7	—
Truck	1.7	—	3.7	—	5.5	—
Less than 50 miles	1.8	.7	5.1	1.3	5.9	.5
50 to 99 miles	5.5	.4	6.3	.8	6.2	.4
100 to 249 miles	3.8	.4	4.7	.5	5.1	.8
250 to 499 miles	2.3	.3	5.8	.4	5.5	.8
500 to 749 miles	2.8	.2	6.4	.2	6.5	.8
750 to 999 miles	5.8	.4	18.5	.3	19.4	1.4
1,000 to 1,499 miles	5.2	.4	7.8	.1	8.3	1.0
1,500 to 1,999 miles	9.2	.2	12.4	—	12.5	.4
2,000 miles or more	48.7	—	29.5	—	30.6	—
For-hire truck	2.4	—	5.3	—	5.8	—
Less than 50 miles	6.0	.7	10.0	2.1	8.6	.3
50 to 99 miles	6.4	.4	8.2	.9	7.7	.4
100 to 249 miles	4.1	.5	5.4	1.0	6.2	.8
250 to 499 miles	2.8	.5	6.1	.8	5.5	.8
500 to 749 miles	3.0	.3	7.6	.6	7.7	1.0
750 to 999 miles	2.8	.3	13.7	.4	14.5	1.1
1,000 to 1,499 miles	5.5	.7	8.3	.3	8.8	1.2
1,500 to 1,999 miles	9.1	.3	13.1	—	13.1	.6
2,000 miles or more	49.4	—	29.9	—	31.1	—
Private truck	3.0	—	4.6	—	6.5	—
Less than 50 miles	3.1	1.3	5.7	1.3	6.9	1.5
50 to 99 miles	9.3	.8	8.7	.9	8.8	1.3
100 to 249 miles	6.1	.8	5.7	.5	5.2	1.1
250 to 499 miles	6.7	.5	14.4	.4	14.6	1.7
500 to 749 miles	8.4	.3	9.8	—	9.4	.7
750 to 999 miles	14.8	.2	S	S	S	S
1,000 to 1,499 miles	9.6	.1	8.9	—	8.8	.5
1,500 to 1,999 miles	21.1	—	18.2	—	18.3	.2
2,000 miles or more	S	S	S	S	S	S
Rail	17.0	—	9.0	—	11.6	—
Less than 50 miles	21.9	.7	31.5	1.7	S	S
50 to 99 miles	22.6	.6	28.6	2.2	29.3	.3
100 to 249 miles	19.0	3.1	18.5	3.2	18.8	1.7
250 to 499 miles	21.9	1.9	15.7	2.3	13.3	1.5
500 to 749 miles	27.8	1.7	25.9	1.7	26.2	1.9
750 to 999 miles	29.3	2.2	23.6	1.9	22.2	2.0
1,000 to 1,499 miles	21.6	2.1	13.8	2.0	14.2	2.6
1,500 to 1,999 miles	41.3	1.4	12.0	.2	11.7	.5
2,000 miles or more	—	—	—	—	—	—
Water	16.8	—	15.5	—	16.6	—
Less than 50 miles	48.8	1.9	46.0	1.8	S	S
50 to 99 miles	49.4	1.2	44.2	1.1	40.8	.3
100 to 249 miles	38.5	4.2	32.8	4.7	35.7	2.1
250 to 499 miles	46.0	4.2	43.6	3.5	46.5	4.1
500 to 749 miles	42.7	5.8	32.3	4.7	32.7	6.5
750 to 999 miles	29.4	7.8	32.0	6.7	32.8	7.5
1,000 to 1,499 miles	46.8	6.5	43.0	6.5	43.1	7.5
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Shallow draft	17.0	—	15.2	—	17.2	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	49.4	1.2	44.2	1.3	40.8	.6
100 to 249 miles	38.5	4.3	32.8	4.8	35.7	2.2
250 to 499 miles	46.8	4.2	46.4	3.5	48.1	4.1
500 to 749 miles	44.4	6.1	32.4	5.2	33.0	6.7
750 to 999 miles	29.4	8.2	32.0	6.8	32.8	7.9
1,000 to 1,499 miles	46.8	6.5	43.0	6.5	43.1	7.5
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	50.0	—	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Air (includes truck and air)	7.6	—	18.5	—	22.6	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	34.6	.7	S	S	S	S
100 to 249 miles	26.1	1.1	38.9	1.4	33.0	.4
250 to 499 miles	9.0	2.7	16.2	3.7	19.3	2.6
500 to 749 miles	26.9	3.0	31.1	2.6	29.2	2.2
750 to 999 miles	17.8	1.9	39.8	2.4	44.6	2.4
1,000 to 1,499 miles	18.8	3.5	27.0	3.0	29.6	3.2
1,500 to 1,999 miles	27.0	1.9	S	S	S	S
2,000 miles or more	36.5	.3	45.9	1.0	46.3	2.4
Pipeline	34.9	—	37.6	—	S	S
Less than 50 miles	31.6	9.0	35.7	9.0	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	—	—	—	—	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	—	—	—	—	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	6.2	—	23.9	—	23.6	—
Less than 50 miles	9.5	1.0	37.0	2.7	30.3	—
50 to 99 miles	8.4	.2	27.6	.8	34.6	—
100 to 249 miles	9.6	.9	18.0	2.0	23.0	.8
250 to 499 miles	7.6	.7	29.6	7.0	30.5	7.0
500 to 749 miles	8.2	.6	34.9	4.1	34.9	4.0
750 to 999 miles	7.1	.6	39.5	4.3	38.6	4.7
1,000 to 1,499 miles	9.9	1.1	14.7	2.9	15.4	5.3
1,500 to 1,999 miles	13.8	.8	21.9	.6	22.2	1.5
2,000 miles or more	33.9	.2	S	S	S	S
Parcel, U.S. Postal Service or courier	6.4	—	8.1	—	11.4	—
Less than 50 miles	9.6	1.0	9.9	1.1	9.6	—
50 to 99 miles	8.6	.3	7.3	.4	7.0	—
100 to 249 miles	9.8	1.1	7.9	1.1	8.1	.4
250 to 499 miles	7.8	.7	7.5	.9	7.7	.7
500 to 749 miles	9.3	.8	9.8	.6	10.0	.7
750 to 999 miles	7.5	.6	16.0	1.1	15.5	.9
1,000 to 1,499 miles	10.8	1.2	13.9	1.2	13.8	1.5
1,500 to 1,999 miles	16.4	.8	11.8	.4	11.9	1.1
2,000 miles or more	37.0	.2	47.3	.3	S	S
Truck and rail	23.8	—	19.8	—	18.3	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	47.7	1.7	33.1	1.0	34.3	.3
250 to 499 miles	29.7	1.4	31.5	5.7	31.1	4.2
500 to 749 miles	27.0	2.5	26.4	2.5	25.6	1.7
750 to 999 miles	24.3	3.2	20.7	2.8	21.4	2.4
1,000 to 1,499 miles	30.0	3.5	20.9	4.1	20.8	4.3
1,500 to 1,999 miles	40.2	2.4	28.5	2.3	28.1	3.1
2,000 miles or more	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	41.5	11.0	S	S	S	S

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	30.3	—	30.7	—	31.2	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	33.9	7.4	32.1	7.8	32.2	7.6
500 to 749 miles	38.3	6.5	39.7	6.1	39.3	6.0
750 to 999 miles	48.6	8.8	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other multiple modes	S	S	S	S	38.6	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	49.2	10.1	49.3	8.1
Other and unknown modes	8.1	—	17.0	—	28.3	—
Less than 50 miles	8.8	2.8	21.4	6.2	22.1	4.5
50 to 99 miles	14.4	1.0	24.5	.8	25.9	1.1
100 to 249 miles	16.4	1.2	36.2	1.3	36.9	3.2
250 to 499 miles	10.0	1.0	S	S	S	S
500 to 749 miles	11.5	1.0	32.2	.4	30.4	3.2
750 to 999 miles	20.7	1.0	45.6	.5	S	S
1,000 to 1,499 miles	29.7	2.7	34.4	4.5	35.0	8.2
1,500 to 1,999 miles	31.3	.5	40.7	.3	41.3	1.8
2,000 miles or more	47.7	—	46.6	—	49.8	—

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	1.9	—	3.0	—	6.2	—	6.4
Less than 50 lb	4.3	.5	8.0	—	15.5	—	6.1
50 to 99 lb	4.0	.1	4.0	—	8.3	—	7.1
100 to 499 lb	6.5	.6	5.1	—	5.3	—	7.2
500 to 749 lb	8.6	.3	5.7	—	4.1	—	6.5
750 to 999 lb	3.6	—	6.2	—	3.2	—	5.2
1,000 to 9,999 lb	3.8	.5	4.1	.3	3.7	.3	5.3
10,000 to 49,999 lb	3.4	.8	5.1	1.5	6.3	1.8	4.7
50,000 to 99,999 lb	10.0	.6	3.7	.8	4.9	.5	4.4
100,000 lb or more	4.4	.3	6.2	1.6	9.2	2.4	5.3
Single modes	2.3	—	3.0	—	6.4	—	3.6
Less than 50 lb	5.6	.2	6.3	—	5.1	—	9.8
50 to 99 lb	5.9	.1	5.7	—	7.0	—	7.3
100 to 499 lb	4.7	.3	5.8	—	3.4	—	7.1
500 to 749 lb	10.1	.3	5.7	—	3.8	—	6.7
750 to 999 lb	4.0	—	6.5	—	3.5	—	5.5
1,000 to 9,999 lb	3.7	.5	4.2	.3	3.7	.3	5.7
10,000 to 49,999 lb	3.4	.9	5.2	1.6	6.7	1.9	4.8
50,000 to 99,999 lb	10.3	.7	3.8	.8	4.6	.5	4.4
100,000 lb or more	4.5	.4	7.2	1.7	9.9	2.5	5.5
Truck	1.7	—	3.7	—	5.5	—	3.0
Less than 50 lb	6.9	.2	6.7	—	7.0	—	9.7
50 to 99 lb	6.1	.1	5.8	—	7.7	—	7.5
100 to 499 lb	4.1	.3	5.8	—	3.5	—	6.9
500 to 749 lb	9.9	.3	5.7	—	3.9	—	6.7
750 to 999 lb	4.0	—	6.6	—	3.8	—	5.6
1,000 to 9,999 lb	3.3	.6	4.1	.4	3.7	.5	5.8
10,000 to 49,999 lb	2.9	1.0	5.2	1.3	6.9	1.8	5.1
50,000 to 99,999 lb	4.1	.3	3.8	1.3	5.5	.9	5.2
100,000 lb or more	16.8	.2	18.6	1.1	39.9	1.7	32.3
For-hire truck	2.4	—	5.3	—	5.8	—	5.5
Less than 50 lb	11.9	.2	15.4	—	11.2	—	19.6
50 to 99 lb	12.1	.1	10.9	—	11.8	—	10.9
100 to 499 lb	6.9	.4	5.0	—	4.9	—	5.9
500 to 749 lb	15.5	.5	5.2	—	5.2	—	4.8
750 to 999 lb	5.1	—	4.4	—	5.8	—	5.5
1,000 to 9,999 lb	3.2	.7	3.5	.3	4.8	.5	5.1
10,000 to 49,999 lb	3.2	1.3	7.9	2.0	6.9	2.2	5.1
50,000 to 99,999 lb	6.7	.4	7.2	2.0	6.8	1.1	7.2
100,000 lb or more	15.0	.2	23.1	1.3	49.9	2.0	22.8
Private truck	3.0	—	4.6	—	6.5	—	3.7
Less than 50 lb	7.6	.4	5.7	—	6.1	—	7.0
50 to 99 lb	6.1	.2	6.6	—	5.4	—	6.4
100 to 499 lb	4.4	.5	7.3	.1	5.3	.1	5.3
500 to 749 lb	9.2	.3	6.8	—	3.8	—	6.1
750 to 999 lb	7.0	.2	8.5	—	8.8	—	5.5
1,000 to 9,999 lb	4.2	.9	5.5	.7	5.7	.8	5.2
10,000 to 49,999 lb	6.0	1.4	6.1	1.5	8.4	2.2	8.2
50,000 to 99,999 lb	7.3	.5	5.7	1.5	11.1	1.8	7.1
100,000 lb or more	24.6	.4	23.1	1.5	28.1	1.1	30.7
Rail	17.0	—	9.0	—	11.6	—	5.2
Less than 50 lb	S	S	S	S	S	S	24.5
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	20.7
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	S	S	S	S	S	S	22.7
1,000 to 9,999 lb	S	S	43.0	—	S	S	12.9
10,000 to 49,999 lb	S	S	21.8	.3	20.9	.5	6.1
50,000 to 99,999 lb	S	S	28.1	.5	32.3	.9	11.3
100,000 lb or more	6.1	7.5	9.3	.7	12.1	1.2	5.1
Water	16.8	—	15.5	—	16.6	—	7.7
Less than 50 lb	S	S	S	S	S	S	21.8
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	22.4
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	22.4
10,000 to 49,999 lb	S	S	S	S	S	S	25.9
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	16.9	.4	15.5	.2	16.6	.2	7.6
Shallow draft	17.0	—	15.2	—	17.2	—	7.7
Less than 50 lb	S	S	S	S	S	S	21.8
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	22.4
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	22.4
10,000 to 49,999 lb	S	S	S	S	S	S	25.9
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	17.1	.4	15.2	.2	17.3	.2	7.6

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	50.0	—	S	S	S	S	21.4
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	50.0	—	S	S	S	S	21.4
Deep draft	S	S	S	S	S	S	21.8
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	21.8
Air (includes truck and air)	7.6	—	18.5	—	22.6	—	1.8
Less than 50 lb	9.1	4.5	8.6	3.6	9.9	4.0	1.7
50 to 99 lb	11.6	1.1	14.3	1.3	12.0	1.4	4.4
100 to 499 lb	17.4	3.6	16.6	3.4	18.0	3.5	2.9
500 to 749 lb	21.5	1.3	19.2	1.6	19.3	1.5	5.2
750 to 999 lb	24.6	.5	37.8	2.0	29.6	1.2	14.5
1,000 to 9,999 lb	20.3	1.6	25.4	4.0	22.8	4.0	8.2
10,000 to 49,999 lb	S	S	S	S	S	S	18.5
50,000 to 99,999 lb	S	S	S	S	S	S	20.7
100,000 lb or more	—	—	—	—	—	—	—
Pipeline	34.9	—	37.6	—	S	S	S
Less than 50 lb	—	—	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	—	—	—	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	37.9	5.7	S	S	S	S	S
100,000 lb or more	35.9	8.2	37.3	8.8	S	S	S
Multiple modes	6.2	—	23.9	—	23.6	—	4.4
Less than 50 lb	5.6	2.5	12.4	3.1	17.3	2.8	4.5
50 to 99 lb	6.6	.7	7.5	.8	11.8	.5	4.6
100 to 499 lb	20.9	2.1	10.7	1.5	16.0	1.3	5.4
500 to 749 lb	25.2	.4	24.1	.3	19.0	.1	14.1
750 to 999 lb	25.9	.2	18.3	.2	22.7	—	17.8
1,000 to 9,999 lb	36.2	1.0	39.1	2.3	40.1	1.9	S
10,000 to 49,999 lb	29.7	1.4	13.9	3.7	15.0	4.8	4.4
50,000 to 99,999 lb	S	S	47.5	2.6	S	S	25.6
100,000 lb or more	23.5	.3	28.5	10.8	28.3	10.1	9.8
Parcel, U.S. Postal Service or courier	6.4	—	8.1	—	11.4	—	4.4
Less than 50 lb	5.6	2.6	12.4	2.5	17.3	3.5	4.5
50 to 99 lb	6.6	.7	7.5	.9	11.8	1.4	4.6
100 to 499 lb	20.9	2.1	10.3	2.0	16.0	2.7	5.5
500 to 749 lb	25.2	.5	17.3	.5	19.4	.5	12.5
750 to 999 lb	26.5	.2	18.2	.4	23.3	.6	13.6
1,000 to 9,999 lb	43.6	.1	48.7	.2	49.7	—	42.2
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	23.8	—	19.8	—	18.3	—	3.9
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	22.7
100 to 499 lb	41.9	.1	38.3	—	36.4	—	18.9
500 to 749 lb	S	S	S	S	S	S	21.2
750 to 999 lb	S	S	S	S	S	S	21.3
1,000 to 9,999 lb	40.6	5.9	40.8	3.3	41.6	2.9	10.0
10,000 to 49,999 lb	29.8	5.8	14.5	8.2	14.3	7.1	3.2
50,000 to 99,999 lb	37.3	.5	49.2	1.0	46.0	.6	20.7
100,000 lb or more	33.2	2.5	32.3	8.0	32.8	6.8	15.8
Truck and water	S	S	S	S	S	S	17.5
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	20.7
500 to 749 lb	S	S	S	S	S	S	21.5
750 to 999 lb	S	S	S	S	S	S	21.3
1,000 to 9,999 lb	S	S	S	S	S	S	20.1
10,000 to 49,999 lb	S	S	S	S	S	S	21.7
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	S	S	S	S	S	S	22.1

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	30.3	—	30.7	—	31.2	—	13.9
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	30.3	—	30.7	—	31.2	—	13.9
Other multiple modes	S	S	S	S	38.6	—	S
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	22.4
500 to 749 lb	S	S	S	S	S	S	21.9
750 to 999 lb	S	S	S	S	S	S	21.2
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	43.7	7.9	S
50,000 to 99,999 lb	S	S	S	S	S	S	22.3
100,000 lb or more	—	—	—	—	—	—	—
Other and unknown modes	8.1	—	17.0	—	28.3	—	25.8
Less than 50 lb	10.3	1.4	11.5	—	42.5	.1	30.7
50 to 99 lb	16.2	.5	18.4	.1	S	S	48.1
100 to 499 lb	14.6	1.4	16.3	.5	17.0	.3	20.0
500 to 749 lb	19.4	.4	20.9	.2	27.1	.1	20.9
750 to 999 lb	32.3	.3	27.0	.1	22.7	—	24.4
1,000 to 9,999 lb	15.8	2.6	20.1	4.0	17.2	2.5	21.2
10,000 to 49,999 lb	12.6	2.3	21.3	5.0	42.7	5.3	12.5
50,000 to 99,999 lb	43.3	1.2	31.7	2.9	36.3	2.1	36.2
100,000 lb or more	20.4	1.5	23.0	9.4	34.2	6.4	27.2

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	1.9	—	3.0	—	6.2	—	6.4
01	Live animals and live fish	38.0	.1	41.0	—	31.6	—	22.2
02	Cereal grains	9.0	.4	8.3	1.5	13.4	2.8	13.2
03	Other agricultural products	21.3	.6	13.3	.7	18.6	1.1	15.8
04	Animal feed and products of animal origin, n.e.c.	8.8	.3	7.0	.3	6.7	.3	21.5
05	Meat, fish, seafood, and their preparations	7.9	.5	7.4	.1	9.9	.5	17.7
06	Milled grain products and preparations, and bakery products	11.5	.3	7.1	.2	10.7	.6	8.7
07	Other prepared foodstuffs and fats and oils	6.7	.5	8.3	.4	9.3	.7	16.3
08	Alcoholic beverages	12.3	.1	15.1	.1	20.3	.2	7.2
09	Tobacco products	14.0	—	26.3	—	27.6	—	5.5
10	Monumental or building stone	40.9	—	40.1	—	35.9	—	S
11	Natural sands	18.7	—	20.1	.7	26.6	.2	27.3
12	Gravel and crushed stone	9.5	—	11.0	1.6	24.4	1.0	23.5
13	Nonmetallic minerals n.e.c.	49.3	.1	17.7	.3	17.6	.2	17.7
14	Metallic ores and concentrates	17.2	—	19.8	.8	26.3	2.2	16.5
15	Coal	24.6	—	26.5	.8	25.8	—	S
17	Gasoline and aviation turbine fuel	13.6	.2	16.0	.6	31.3	.5	17.7
18	Fuel oils	12.5	.1	14.1	.3	S	S	19.2
19	Coal and petroleum products, n.e.c.	17.7	.2	18.2	.6	27.7	.5	16.9
20	Basic chemicals	11.3	.1	23.5	.3	29.2	.9	22.8
21	Pharmaceutical products	10.6	.3	18.9	—	30.6	—	7.6
22	Fertilizers	17.1	.1	14.0	.2	9.2	—	24.7
23	Chemical products and preparations, n.e.c.	11.0	.4	11.4	—	14.0	.2	13.6
24	Plastics and rubber	5.6	.2	11.1	—	12.9	.2	10.5
25	Logs and other wood in the rough	29.4	—	S	S	S	S	S
26	Wood products	10.8	.2	11.1	.2	18.6	.2	14.0
27	Pulp, newsprint, paper, and paperboard	10.9	.1	15.0	.1	15.5	.1	17.5
28	Paper or paperboard articles	11.7	.2	9.8	—	17.4	.1	12.1
29	Printed products	5.7	.3	10.2	—	14.6	.1	7.6
30	Textiles, leather, and articles of textiles or leather	21.3	.5	26.9	—	38.9	.1	6.1
31	Nonmetallic mineral products	6.1	—	9.3	.6	24.2	.5	14.5
32	Base metal in primary or semifinished forms and in finished basic shapes	8.4	.2	12.8	.2	33.6	.5	15.7
33	Articles of base metal	7.4	.2	43.7	.5	S	S	11.4
34	Machinery	4.2	.3	4.5	—	6.1	—	7.9
35	Electronic and other electrical equipment and components and office equipment	10.0	.8	6.6	—	9.7	—	6.0
36	Motorized and other vehicles (including parts)	15.4	1.4	12.1	.1	17.3	.4	13.6
37	Transportation equipment, n.e.c.	28.5	.4	19.9	—	37.4	—	6.2
38	Precision instruments and apparatus	9.6	.2	13.3	—	15.4	—	7.8
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.5	.1	12.8	—	17.3	—	9.4
40	Miscellaneous manufactured products	6.7	.4	10.5	—	13.2	.1	6.2
41	Waste and scrap	12.9	—	25.0	.4	21.4	.2	22.4
43	Mixed freight	15.1	.4	31.3	.3	S	S	15.2
—	Commodity unknown	19.0	.1	46.8	.3	S	S	14.8

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	1.9	—	3.0	—	6.2	—	6.4
010	Live animals and live fish	38.0	.1	41.0	—	31.6	—	22.2
021	Wheat	14.1	.2	14.8	.7	22.7	1.2	16.0
022	Corn, except sweet	7.7	.2	7.6	.9	15.4	2.3	20.6
029	Other cereal grains	24.9	.1	18.5	.4	29.1	1.0	13.7
031	Fresh or chilled potatoes (Irish potatoes), except sweet	36.3	—	S	S	S	S	27.9
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	S	S	S	S	44.3	—	17.9
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	17.6
034	Soya beans	11.0	.2	11.1	.4	18.7	.9	8.4
035	Oil seeds and nuts, except olives and soya beans	19.5	—	17.8	—	25.2	—	13.5
036	Bulbs, live plants, and seeds for sowing, n.e.c.	41.8	—	47.6	—	47.1	—	17.1
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	27.9	—	42.1	—	39.7	—	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	14.3	.1	11.1	.2	12.9	.3	12.2
042	Animal feed preparations	10.6	.2	9.9	.3	12.2	.3	24.7
051	Meat including poultry, except preparations	8.8	.5	8.2	.1	10.8	.5	12.3
052	Fish, except live, and seafood, except preparations	47.3	—	44.6	—	44.5	—	S
053	Preparations, extracts, and juices of meat, fish, or seafood	36.2	—	31.3	—	29.0	—	19.1
061	Wheat flour, groats, and meal	15.3	—	15.9	.1	20.1	.4	12.2
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	12.0	—	14.1	.1	15.8	.3	13.1
063	Food preparations of cereals, flour, starch, or milk	17.3	.2	14.7	—	14.8	.1	9.2
064	Bakery products	23.8	.3	22.7	—	30.5	—	13.3
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	13.1	.2	19.6	.2	15.7	.1	30.1
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	14.3	.2	13.3	—	20.7	.1	30.8
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	25.9	—	28.2	—	35.4	—	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	11.7	—	11.8	.1	13.9	.3	6.5
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	14.4	—	16.4	.1	18.3	.4	9.6
076	Confectionery, cocoa, and cocoa preparations	24.2	—	22.3	—	29.7	—	17.0
077	Edible preparations, n.e.c. and vinegar	20.4	.2	15.8	—	18.9	.1	13.8
078	Nonalcoholic beverages, n.e.c. and ice	16.2	.1	19.0	.2	22.3	.1	29.5
081	Malt Beer	16.8	.1	20.6	.1	36.2	.1	13.4
082	Wine and other fermented beverages	26.6	—	25.2	—	28.6	—	20.1
083	Spirituos beverages and ethyl alcohol	21.8	—	25.2	—	31.5	.2	15.9
090	Tobacco products	14.0	—	26.3	—	27.6	—	5.5
100	Monumental or building stone, except dolomite	40.9	—	40.1	—	35.9	—	S
110	Natural sands, except metal-bearing	18.7	—	20.1	.7	26.6	.2	27.3
120	Gravel and crushed stone, except dolomite and slate	9.5	—	11.0	1.6	24.4	1.0	23.5
131	Salt	S	S	30.3	.1	29.5	.1	29.5
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	26.0
133	Dolomite	34.3	—	S	S	47.9	—	S
139	Other nonmetallic minerals	22.2	—	20.3	—	22.6	.1	16.2
141	Iron ores and concentrates	22.4	—	21.3	.9	26.5	2.2	14.4
149	Other metallic ores and concentrates	24.9	—	24.3	—	17.9	—	20.6
151	Nonagglomerated bituminous coal	32.6	—	28.0	—	27.0	—	18.8
159	Other coal	27.9	—	27.2	.8	28.6	—	S
171	Gasoline	13.1	.2	15.0	.5	30.6	.3	17.2
172	Aviation turbine fuel (types A and B)	S	S	S	S	S	S	36.2
180	Fuel oils	12.5	.1	14.1	.3	S	S	19.2
191	Lubricating oils and greases	18.4	—	20.1	—	15.0	—	30.0
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	34.5	—	S	S	S	S	35.2
193	Gaseous hydrocarbons	25.2	—	25.7	.1	28.8	—	28.0
199	Other products of petroleum refining, and coal products	31.4	.1	22.2	.6	33.3	.4	17.8
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	29.2	—	32.4	—	44.0	—	19.1
202	Inorganic chemicals, n.e.c.	16.5	—	26.0	.3	30.9	.9	30.5
203	Cyclic hydrocarbons	S	S	48.5	—	S	S	23.9
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	30.1	—	27.3	—	36.5	—	16.8
205	Organic chemicals, n.e.c.	20.1	—	23.0	—	26.3	—	15.9
210	Pharmaceutical products	10.6	.3	18.9	—	30.6	—	7.6
220	Fertilizers and fertilizer materials	17.1	.1	14.0	.2	9.2	—	24.7
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	10.6	—	17.5	—	25.4	—	17.5
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	41.3	.2	31.4	—	36.8	—	23.7
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	12.3	—	14.5	—	18.5	.1	11.6
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	20.3	—	44.5	—	S	S	19.4
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	17.8	.3	21.3	—	27.6	—	28.9
239	Other chemical products and preparations	18.0	—	15.6	—	21.6	—	10.3
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	15.3	—	26.3	—	32.8	—	13.6
242	Manmade fibers and plastics basic shapes and articles	6.2	.1	12.3	—	12.5	—	9.3

See footnotes at end of table.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	13.6	.1	35.8	—	38.9	.1	20.9
250	Logs and other wood in the rough	29.4	—	S	S	S	S	S
261	Wood chips or particles	40.4	—	30.7	—	S	S	37.6
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	19.2	.1	20.6	.1	17.3	—	17.1
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	20.0	—	22.5	—	17.2	—	18.8
264	Builders' joinery and carpentry of wood, except shingles and shakes	20.1	.1	14.6	—	21.0	—	16.2
269	Other wood products	17.5	—	20.7	—	19.3	—	17.7
271	Pulp of fibrous cellulosic materials	S	S	S	S	S	S	35.4
272	Newsprint in large rolls or sheets	S	S	S	S	S	S	27.7
273	Uncoated paper and paperboard in large rolls or sheets	17.2	—	23.2	—	25.4	.1	12.8
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	13.6	—	13.1	—	19.9	—	14.6
280	Paper or paperboard articles	11.7	.2	9.8	—	17.4	.1	12.1
291	Printed books, brochures, leaflets, and similar printed products	13.9	.2	20.7	—	20.2	—	6.5
292	Newspapers, journals, and periodicals	16.3	—	16.9	—	39.7	—	17.1
293	Advertising material, commercial or trade catalogues, and similar printed products	10.8	—	19.9	—	20.8	—	8.2
299	Other printed products	12.2	.2	16.3	—	28.8	—	10.6
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	21.8	—	S	S	S	S	11.7
302	Textile clothing and accessories, and headgear, except safety	28.3	.3	30.5	—	35.2	—	6.3
303	Textiles and textile articles, n.e.c.	15.4	—	18.1	—	20.3	—	9.2
304	Footwear	S	S	S	S	S	S	6.1
305	Leather and articles, luggage of related materials, and dressed furskins and articles	19.5	—	39.6	—	46.2	—	7.8
311	Hydraulic cements	15.2	—	16.2	.3	19.9	—	12.7
312	Ceramic products	25.9	—	25.8	—	22.3	—	12.8
313	Glass and glass products	15.6	—	20.0	—	22.7	—	13.2
319	Other nonmetallic mineral products	11.1	—	12.0	.5	34.3	.4	30.9
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	16.7	—	S	S	S	S	13.7
322	Flat-rolled products of iron or steel	14.8	—	20.3	—	15.2	—	17.8
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	20.4	.1	21.4	.1	20.6	.1	18.4
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	15.5	.2	29.8	.1	41.3	.2	13.3
331	Pipes, tubes, and fittings	19.0	.1	S	S	S	S	12.4
332	Structures and parts, except prefabricated buildings	11.9	—	14.5	—	13.3	—	12.6
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	12.3	.1	21.7	—	29.4	—	13.0
339	Other articles of metal	11.3	—	25.0	—	29.7	—	11.1
341	Internal-combustion piston engines	14.0	—	19.3	—	21.8	—	15.5
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	31.3	—	34.8	—	41.0	—	19.1
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	13.3	—	16.5	—	15.6	—	9.3
344	Air-conditioning, refrigerating, or freezing equipment	13.4	—	18.0	—	20.0	—	18.8
345	Materials-handling, excavating, boring, and related machinery and equipment	18.7	.2	17.4	—	16.7	—	12.0
349	Other machinery	8.1	.3	9.9	—	14.2	—	10.9
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	19.2	.1	23.5	—	40.1	—	13.8
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	25.0	—	24.8	—	34.6	—	9.7
353	Line telephone or telegraph apparatus	20.9	—	22.2	—	29.1	—	10.4
354	Electronic entertainment products, except parts	21.5	—	24.1	—	31.8	—	8.4
355	Computer and office equipment	24.9	.6	28.3	—	33.7	—	6.8
356	Prepared unrecorded or prerecorded media	34.6	.2	31.5	—	41.9	—	6.2
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	38.7	—	29.7	—	30.6	—	10.6
358	Electronic components and parts	16.9	.2	23.4	—	21.7	—	7.8
359	Other electronic and electrical equipment	5.2	.1	9.0	—	12.9	—	13.2
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	36.7	1.3	33.1	.1	33.1	.4	14.3
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	16.9	.1	19.3	—	19.5	—	15.4
363	Other vehicles	13.5	.4	10.5	—	14.2	—	11.2
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	11.2	.3	10.1	—	12.5	—	16.9
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	32.1	—	26.8	—	26.4	—	8.4
372	Aircraft and spacecraft	37.7	.5	S	S	S	S	10.9
373	Ships, boats, and floating structures	27.2	—	28.6	—	29.8	—	10.3
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	25.9	—	S	S	36.6	—	9.1
382	Photographic and photocopying machines	22.6	—	40.5	—	S	S	20.8
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	28.6	—	S	S	S	S	12.2
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	16.1	.2	17.0	—	21.9	—	8.0

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	20.2	.1	35.1	—	28.6	—	17.9
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.5	.1	12.8	—	17.3	—	9.4
401	Arms and ammunition	S	S	22.8	—	23.5	—	6.6
402	Toys, games, and sporting equipment	14.3	—	16.1	—	16.0	—	5.0
409	Miscellaneous manufactured products	7.0	.4	11.4	—	14.7	.1	8.0
411	Metallic waste and scrap	15.4	—	32.7	.4	29.0	.2	29.2
412	Nonmetallic waste and scrap, except from food processing	26.9	—	44.9	.2	28.5	.1	15.9
439	Mixed freight	15.1	.4	31.3	.3	S	S	15.2
—	Commodity unknown	19.0	.1	46.8	.3	S	S	14.8

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	1.9	—	3.0	—	6.2	—	6.4
Single modes	2.3	.9	3.0	1.2	6.4	1.9	3.6
Truck	1.7	1.0	3.7	1.5	5.5	2.1	3.0
For-hire truck	2.4	1.0	5.3	1.4	5.8	1.7	5.5
Private truck	3.0	.8	4.6	1.2	6.5	.5	3.7
Rail	17.0	1.2	9.0	1.6	11.6	2.9	5.2
Water	16.8	.1	15.5	.7	16.6	1.8	7.7
Shallow draft	17.0	.1	15.2	.6	17.2	1.8	7.7
Great Lakes	50.0	—	S	S	S	S	21.4
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	7.6	.2	18.5	—	22.6	—	1.8
Pipeline	34.9	.2	37.6	.5	S	S	S
Multiple modes	6.2	.8	23.9	.7	23.6	1.8	4.4
Parcel, U.S. Postal Service or courier	6.4	.8	8.1	—	11.4	—	4.4
Truck and rail	23.8	.3	19.8	—	18.3	.3	3.9
Truck and water	S	S	S	S	S	S	17.5
Rail and water	30.3	—	30.7	.6	31.2	1.7	13.9
Other multiple modes	S	S	S	S	38.6	—	S
Other and unknown modes	8.1	.3	17.0	.8	28.3	.6	25.8
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	38.0	—	41.0	—	31.6	—	22.2
Single modes	38.7	1.2	41.7	1.1	31.8	1.7	22.3
Truck	38.8	1.4	41.7	1.1	31.8	1.7	23.7
For-hire truck	39.4	9.4	37.7	8.8	28.4	7.6	20.5
Private truck	46.6	8.9	S	S	S	S	26.4
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.3
SCTG 02, CEREAL GRAINS							
Total	9.0	—	8.3	—	13.4	—	13.2
Single modes	9.3	.7	8.5	.6	13.7	1.3	13.5
Truck	10.4	3.0	9.3	2.9	15.9	1.2	19.1
For-hire truck	13.3	3.1	14.2	3.3	17.5	1.1	17.5
Private truck	18.9	2.6	19.6	2.9	27.4	.5	16.1
Rail	13.0	2.9	12.3	2.8	18.1	4.8	11.4
Water	21.4	1.7	21.3	1.9	21.4	4.7	9.3
Shallow draft	21.1	1.7	21.1	1.9	21.4	4.7	9.3
Great Lakes	S	S	S	S	S	S	22.4
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	19.4
Parcel, U.S. Postal Service or courier	S	S	S	S	48.6	—	19.8
Truck and rail	S	S	S	S	S	S	22.3
Truck and water	S	S	S	S	S	S	22.1
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	32.5	.7	35.3	.6	S	S	S

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	21.3	—	13.3	—	18.6	—	15.8
Single modes	21.4	1.0	12.9	1.1	19.0	2.2	13.9
Truck	25.4	2.9	14.8	3.7	26.7	5.2	14.7
For-hire truck	13.2	3.7	14.2	3.2	28.4	4.0	28.4
Private truck	36.7	4.6	20.6	3.9	25.3	2.0	10.2
Rail	18.4	2.4	18.8	3.3	23.8	6.5	20.1
Water	20.6	1.5	21.7	1.8	26.6	5.2	9.7
Shallow draft	20.6	1.5	21.7	1.8	26.6	5.2	9.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	32.5	.5	S	S	S	S	10.9
Parcel, U.S. Postal Service or courier	42.7	.4	29.5	—	37.2	—	10.9
Truck and rail	S	S	S	S	S	S	20.5
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	39.7	.9	S	S	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	8.8	—	7.0	—	6.7	—	21.5
Single modes	8.8	.9	6.9	.5	7.0	2.2	24.6
Truck	9.9	1.9	8.1	1.6	10.2	3.1	25.4
For-hire truck	12.4	2.8	9.4	2.3	13.0	2.9	11.4
Private truck	12.2	3.2	11.2	3.2	13.9	1.8	13.0
Rail	13.3	1.5	10.9	1.5	11.7	4.0	6.6
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	19.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	22.1	.7	22.6	.4	22.1	2.2	12.6
Parcel, U.S. Postal Service or courier	42.6	—	29.0	—	31.4	—	14.7
Truck and rail	22.9	.7	23.0	.4	23.8	1.8	7.8
Truck and water	—	—	—	—	—	—	—
Rail and water	44.3	—	45.8	.2	48.1	1.0	19.9
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	25.2	.4	29.0	.4	44.1	.8	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	7.9	—	7.4	—	9.9	—	17.7
Single modes	8.0	.2	7.5	.2	10.1	.5	18.7
Truck	8.1	.8	7.6	.8	10.3	1.6	18.9
For-hire truck	9.8	2.4	9.3	2.5	11.1	2.2	3.7
Private truck	11.8	2.3	10.7	2.3	17.3	1.5	20.1
Rail	31.5	.6	30.9	.7	33.0	1.6	12.5
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.7
Pipeline	—	—	—	—	S	S	S
Multiple modes	42.1	.1	38.8	—	S	S	16.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	17.0
Truck and rail	S	S	S	S	S	S	20.5
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	32.9	.2	30.1	.2	42.8	.4	S

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	11.5	—	7.1	—	10.7	—	8.7
Single modes	10.7	1.3	6.9	.8	10.7	1.1	10.6
Truck	12.5	2.0	7.2	3.0	11.7	4.1	11.1
For-hire truck	19.2	3.4	10.2	3.0	13.7	4.0	7.5
Private truck	11.4	3.2	11.3	2.7	9.7	1.1	8.2
Rail	11.2	1.9	11.4	2.9	13.7	4.3	5.1
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	46.6	—	47.6	—	20.4
Pipeline	48.4	—	47.8	.1	S	S	S
Multiple modes	S	S	43.6	.5	38.6	.6	17.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.1
Truck and rail	31.6	.3	45.3	.5	39.6	.6	19.5
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	44.4	.6	42.1	.6	45.4	.8	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	6.7	—	8.3	—	9.3	—	16.3
Single modes	6.5	.8	8.3	.9	9.2	1.5	11.9
Truck	7.3	1.6	8.9	2.6	6.0	4.6	12.2
For-hire truck	8.1	2.6	13.1	2.8	7.3	4.0	9.0
Private truck	10.1	2.4	10.9	2.9	10.5	1.5	9.8
Rail	10.9	1.3	12.7	2.3	15.5	4.4	5.4
Water	S	S	S	S	S	S	21.8
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	19.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	30.2	.3	S	S	S	S	14.9
Parcel, U.S. Postal Service or courier	S	S	37.5	—	45.6	—	14.8
Truck and rail	41.9	.2	S	S	S	S	17.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	12.3	—	15.1	—	20.3	—	7.2
Single modes	12.2	.8	14.5	1.5	19.7	1.2	7.3
Truck	13.8	3.9	16.6	4.4	28.4	9.3	6.8
For-hire truck	21.2	3.1	24.2	3.8	27.6	6.2	22.8
Private truck	13.5	5.1	16.4	6.8	38.6	8.2	6.0
Rail	34.2	3.8	23.7	4.1	28.9	9.1	16.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	46.4	.1	S	S	S	S	25.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	23.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	14.0	—	26.3	—	27.6	—	5.5
Single modes	14.1	—	26.3	—	27.7	.4	5.5
Truck	14.1	—	26.3	—	27.7	.4	5.5
For-hire truck	S	S	S	S	S	S	S
Private truck	10.8	5.6	29.7	5.2	30.8	6.2	5.9
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	39.5	—	36.6	—	S	S	23.9
Parcel, U.S. Postal Service or courier	43.6	—	40.9	—	S	S	21.6
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	S	S	S	S	S	S	38.7
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	40.9	—	40.1	—	35.9	—	S
Single modes	40.2	5.0	40.4	5.1	36.0	5.1	S
Truck	40.8	7.1	41.3	6.9	41.4	7.1	S
For-hire truck	42.2	7.5	39.6	7.2	39.8	8.5	19.0
Private truck	S	S	46.8	10.4	S	S	25.2
Rail	S	S	S	S	S	S	21.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.4
SCTG 11, NATURAL SANDS							
Total	18.7	—	20.1	—	26.6	—	27.3
Single modes	18.8	1.9	20.3	.9	27.5	2.4	28.2
Truck	15.2	4.7	21.0	3.0	27.4	8.0	23.7
For-hire truck	29.3	4.9	42.4	4.9	45.4	6.6	25.8
Private truck	14.8	6.0	16.9	5.5	24.0	9.7	29.9
Rail	S	S	S	S	S	S	21.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	26.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	23.5

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	9.5	—	11.0	—	24.4	—	23.5
Single modes	10.3	2.4	11.1	.8	26.1	5.0	24.1
Truck	11.4	3.4	12.4	3.7	29.0	8.6	25.2
For-hire truck	22.3	3.9	22.6	3.9	27.8	5.4	26.5
Private truck	13.8	4.4	14.2	4.6	42.1	5.9	24.9
Rail	37.5	2.3	38.3	2.3	49.9	4.4	19.1
Water	38.3	1.7	38.1	2.3	37.0	8.7	18.6
Shallow draft	38.3	1.7	38.1	2.3	37.0	8.7	18.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	49.2	.5	S	S	20.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	49.2	.5	S	S	20.5
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	40.7	.6	S	S	S	S	S
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	49.3	—	17.7	—	17.6	—	17.7
Single modes	S	S	18.8	2.9	17.3	1.7	35.7
Truck	S	S	22.2	5.4	17.4	7.3	29.0
For-hire truck	23.7	7.3	27.0	4.8	13.0	6.1	33.0
Private truck	S	S	23.2	5.3	36.9	3.3	23.4
Rail	29.0	2.9	23.3	4.0	22.6	6.8	11.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	30.7	.6	30.8	.2	S	S	S
Multiple modes	43.5	.6	46.6	.8	42.9	1.7	17.6
Parcel, U.S. Postal Service or courier	S	S	45.8	—	S	S	19.1
Truck and rail	41.5	.2	46.7	.8	42.9	1.7	22.3
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	17.2	—	19.8	—	26.3	—	16.5
Single modes	28.5	8.9	34.1	10.6	40.6	11.4	16.7
Truck	22.8	5.5	25.9	8.0	S	S	17.8
For-hire truck	23.5	5.1	26.2	8.0	S	S	17.6
Private truck	S	S	S	S	S	S	38.0
Rail	42.2	7.9	44.7	9.6	49.2	9.1	28.8
Water	S	S	S	S	S	S	21.2
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	21.2
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	S	S	S	S	S	S	21.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	26.9	8.9	31.2	10.7	31.9	11.4	17.1
Parcel, U.S. Postal Service or courier	44.9	2.0	S	S	S	S	21.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	31.9	9.5	31.2	10.7	31.9	11.4	17.0
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	21.7

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	24.6	—	26.5	—	25.8	—	S
Single modes	23.9	10.8	25.3	12.3	19.2	11.0	37.3
Truck	24.1	10.1	25.4	11.5	19.7	10.1	37.1
For-hire truck	25.5	10.2	25.7	11.5	20.6	10.2	S
Private truck	S	S	S	S	S	S	21.7
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	27.3	10.8	27.2	12.3	28.4	11.0	17.2
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	13.6	—	16.0	—	31.3	—	17.7
Single modes	13.9	1.2	16.2	1.0	31.4	1.3	15.9
Truck	15.7	5.6	17.5	6.2	29.0	12.3	12.0
For-hire truck	18.1	3.7	20.2	4.1	32.9	6.6	23.3
Private truck	18.7	5.3	22.6	5.7	29.6	8.5	12.5
Rail	S	S	S	S	S	S	20.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	38.2	5.2	40.0	6.0	S	S	S
Multiple modes	S	S	S	S	S	S	23.4
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	23.4
Other and unknown modes	S	S	S	S	S	S	S
SCTG 18, FUEL OILS							
Total	12.5	—	14.1	—	S	S	19.2
Single modes	13.0	1.4	14.7	1.6	S	S	18.0
Truck	14.3	4.5	14.8	5.4	17.3	12.8	11.1
For-hire truck	15.3	4.0	16.2	4.3	32.0	8.1	22.7
Private truck	15.1	4.0	16.0	5.1	19.6	8.9	11.2
Rail	S	S	S	S	S	S	19.7
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	33.6	3.5	46.1	3.7	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	30.9
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	26.3
Other and unknown modes	S	S	S	S	48.8	1.0	19.9

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	17.7	—	18.2	—	27.7	—	16.9
Single modes	18.1	.6	18.4	1.0	27.9	1.6	13.0
Truck	15.2	5.7	15.0	8.4	22.9	12.2	13.7
For-hire truck	23.0	6.0	25.2	6.9	32.5	8.0	32.5
Private truck	16.8	6.0	22.9	7.6	20.9	8.5	9.5
Rail	S	S	37.7	8.3	39.2	11.8	25.5
Water	S	S	S	S	S	S	26.1
Shallow draft	S	S	S	S	S	S	26.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	32.7	.4	S	S	32.6	.3	35.7
Parcel, U.S. Postal Service or courier	26.4	.3	23.0	—	28.1	—	23.9
Truck and rail	S	S	S	S	S	S	20.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	42.6	.5	49.1	.9	S	S	S
SCTG 20, BASIC CHEMICALS							
Total	11.3	—	23.5	—	29.2	—	22.8
Single modes	12.4	3.1	23.7	2.9	29.5	5.0	24.8
Truck	11.6	4.4	16.6	8.6	34.0	10.8	34.9
For-hire truck	16.2	4.7	22.3	5.6	36.2	8.0	12.5
Private truck	14.9	3.3	20.9	6.6	20.1	5.2	18.0
Rail	37.7	3.3	38.2	9.1	39.1	11.7	14.1
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	48.4	2.2	S	S	S	S	16.5
Pipeline	49.8	.5	49.8	.2	S	S	S
Multiple modes	32.8	3.2	S	S	S	S	17.3
Parcel, U.S. Postal Service or courier	44.7	2.1	21.3	—	31.5	—	16.0
Truck and rail	S	S	S	S	S	S	15.7
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	34.2	.6	28.6	.4	S	S	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	10.6	—	18.9	—	30.6	—	7.6
Single modes	9.8	3.8	21.8	3.4	33.5	3.7	13.5
Truck	9.8	4.0	22.1	3.5	34.3	3.9	17.2
For-hire truck	12.5	4.2	28.0	5.0	37.2	4.8	13.2
Private truck	12.9	2.1	20.2	4.1	29.0	2.2	41.1
Rail	S	S	S	S	S	S	25.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	24.5	.7	30.1	.3	26.6	.6	8.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	17.0	3.7	17.6	3.3	16.6	3.7	6.3
Parcel, U.S. Postal Service or courier	17.0	3.6	18.0	3.1	17.2	3.6	6.3
Truck and rail	46.8	.1	47.0	.4	47.2	.6	20.5
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	37.3

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	17.1	—	14.0	—	9.2	—	24.7
Single modes	18.2	2.0	14.8	2.1	9.9	2.2	24.8
Truck	19.4	2.6	16.8	2.9	11.3	4.6	23.9
For-hire truck	14.1	3.3	13.0	3.3	14.5	3.4	36.4
Private truck	26.0	4.5	23.5	4.5	17.4	3.3	21.8
Rail	13.9	1.5	14.7	2.0	15.1	4.5	10.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	18.1
Parcel, U.S. Postal Service or courier	S	S	41.5	—	46.7	—	18.5
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	32.8	1.9	32.9	1.4	35.7	.8	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	11.0	—	11.4	—	14.0	—	13.6
Single modes	11.9	1.5	11.5	1.4	15.5	2.9	13.0
Truck	11.9	2.0	11.8	1.8	14.7	2.8	13.4
For-hire truck	13.4	2.0	12.8	2.6	15.0	3.1	9.1
Private truck	14.5	2.5	14.7	2.0	20.7	1.9	12.5
Rail	S	S	34.7	1.8	29.7	2.8	17.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	31.5	—	37.0	—	38.7	—	18.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	17.4	1.0	18.0	1.0	22.9	2.6	10.5
Parcel, U.S. Postal Service or courier	22.6	1.0	21.3	.2	19.1	.2	10.7
Truck and rail	22.3	.4	25.0	1.0	25.1	2.6	14.4
Truck and water	S	S	S	S	S	S	21.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	45.6	1.0	S	S	S	S	S
SCTG 24, PLASTICS AND RUBBER							
Total	5.6	—	11.1	—	12.9	—	10.5
Single modes	6.4	1.2	11.5	.8	13.0	1.0	8.9
Truck	7.0	1.9	13.1	3.2	14.9	4.2	8.9
For-hire truck	8.0	2.3	14.8	3.6	15.8	4.2	6.5
Private truck	9.3	1.4	13.3	2.2	14.5	.8	9.4
Rail	25.8	1.1	34.2	3.2	32.3	4.2	21.8
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	16.7	—	23.2	—	15.5	—	4.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	10.5	1.1	20.7	.3	28.7	.8	7.4
Parcel, U.S. Postal Service or courier	10.7	1.1	14.5	.3	19.2	.6	7.4
Truck and rail	38.4	.2	S	S	S	S	18.3
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	17.6	.8	19.5	.8	26.3	.8	18.0

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	29.4	—	S	S	S	S	S
Single modes	29.7	5.6	S	S	S	S	44.0
Truck	30.6	5.6	S	S	S	S	35.4
For-hire truck	25.1	9.5	S	S	S	S	29.0
Private truck	45.8	9.4	S	S	S	S	22.2
Rail	S	S	S	S	S	S	21.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.7
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	40.3	.4	28.8
SCTG 26, WOOD PRODUCTS							
Total	10.8	—	11.1	—	18.6	—	14.0
Single modes	10.9	.6	10.7	2.2	8.7	4.7	8.3
Truck	11.2	.8	11.1	2.4	10.8	6.2	8.6
For-hire truck	18.5	4.5	18.6	3.7	13.2	5.3	12.1
Private truck	10.6	4.2	13.3	3.5	9.2	2.1	7.1
Rail	19.4	.5	19.9	1.3	20.0	5.1	8.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	41.9	—	47.4	—	S	S	20.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	28.5	.6	43.5	.1	S	S	12.7
Parcel, U.S. Postal Service or courier	30.9	.5	S	S	S	S	12.7
Truck and rail	43.2	.2	36.3	—	35.9	.2	18.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	28.3	.3	S	S	S	S	33.3
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	10.9	—	15.0	—	15.5	—	17.5
Single modes	10.8	1.5	15.9	2.5	15.5	3.5	21.3
Truck	12.6	4.1	19.0	5.2	14.7	7.3	19.6
For-hire truck	11.9	2.8	17.1	4.0	15.4	5.7	23.2
Private truck	17.8	4.2	26.9	4.2	20.7	1.2	8.3
Rail	29.1	3.9	24.3	4.6	26.1	7.0	14.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	46.1	.2	S	S	S	S	17.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	27.8	1.4	44.8	1.2	S	S	11.6
Parcel, U.S. Postal Service or courier	29.0	.8	39.9	.3	25.7	.4	11.9
Truck and rail	S	S	S	S	S	S	19.0
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	43.4	.4	45.9	2.2	40.9	2.3	15.6

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	11.7	—	9.8	—	17.4	—	12.1
Single modes	12.9	2.2	10.1	.7	18.5	2.4	17.4
Truck	12.9	2.3	9.9	.9	18.5	2.6	19.1
For-hire truck	15.9	4.3	12.8	4.2	21.3	4.3	13.8
Private truck	12.3	3.3	11.5	4.1	20.3	2.9	5.7
Rail	S	S	S	S	S	S	21.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	40.7	.1	46.6	—	34.2	—	12.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	27.4	2.1	19.4	.3	25.1	1.1	8.0
Parcel, U.S. Postal Service or courier	28.7	2.1	21.1	.2	26.6	.7	8.0
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	25.6	.6	29.1	.6	42.2	1.9	33.7
SCTG 29, PRINTED PRODUCTS							
Total	5.7	—	10.2	—	14.6	—	7.6
Single modes	5.6	2.8	11.2	1.7	15.6	2.5	26.8
Truck	5.3	3.0	11.2	1.8	15.8	2.6	27.5
For-hire truck	6.0	2.8	14.0	3.0	16.4	2.6	S
Private truck	15.5	2.3	14.0	2.5	18.9	.7	S
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	44.0	.6	31.4	.2	31.8	.6	4.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	13.8	3.0	20.9	1.8	31.6	2.3	5.8
Parcel, U.S. Postal Service or courier	14.0	3.0	22.4	1.8	36.0	2.5	5.8
Truck and rail	48.0	.2	47.4	.2	47.4	.6	19.9
Truck and water	S	S	S	S	S	S	22.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	19.9	.9	23.6	.8	30.9	1.0	49.5
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	21.3	—	26.9	—	38.9	—	6.1
Single modes	31.8	5.0	31.8	5.3	49.5	6.4	12.9
Truck	32.0	5.0	31.8	5.3	49.6	6.5	12.2
For-hire truck	40.2	4.3	43.1	4.9	S	S	9.7
Private truck	30.8	2.9	23.2	4.6	S	S	17.0
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	34.8	.4	46.9	—	44.1	.2	11.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	18.9	4.9	18.2	5.4	20.5	7.0	5.5
Parcel, U.S. Postal Service or courier	18.9	4.9	18.5	5.4	21.2	7.1	5.5
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	42.3	.7	49.7	1.3	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	6.1	—	9.3	—	24.2	—	14.5
Single modes	6.2	1.5	9.5	2.0	7.5	6.1	10.4
Truck	6.3	1.8	10.2	2.7	7.6	6.9	9.7
For-hire truck	7.9	2.3	12.1	3.0	8.1	5.3	12.6
Private truck	7.6	2.4	13.5	3.5	17.0	3.4	19.6
Rail	23.4	.4	27.5	.8	25.6	2.2	28.4
Water	S	S	S	S	S	S	20.7
Shallow draft	S	S	S	S	S	S	20.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	31.0	—	34.0	—	17.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	25.8	1.2	49.8	.3	S	S	9.0
Parcel, U.S. Postal Service or courier	27.8	1.1	46.0	—	48.0	.7	9.1
Truck and rail	S	S	S	S	S	S	17.5
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	33.3	.5	S	S	S	S	24.1
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	8.4	—	12.8	—	33.6	—	15.7
Single modes	8.6	.9	13.0	.5	34.1	.8	9.2
Truck	8.5	1.4	10.9	4.4	10.2	8.3	8.9
For-hire truck	10.6	2.6	9.8	3.6	11.9	6.1	10.0
Private truck	13.2	3.5	17.9	3.8	16.0	3.6	13.3
Rail	28.5	1.0	S	S	S	S	14.4
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	36.5	.1	S	S	S	S	9.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	25.1	.8	35.1	.2	47.6	.4	9.6
Parcel, U.S. Postal Service or courier	31.1	.8	27.3	—	23.1	—	9.7
Truck and rail	S	S	S	S	S	S	21.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	25.2	.5	23.7	.5	29.1	.6	S
SCTG 33, ARTICLES OF BASE METAL							
Total	7.4	—	43.7	—	S	S	11.4
Single modes	8.3	2.3	46.1	2.3	S	S	8.5
Truck	8.5	2.3	46.5	2.6	S	S	9.0
For-hire truck	9.5	3.0	S	S	S	S	5.5
Private truck	15.2	2.7	18.3	4.2	20.8	2.7	12.0
Rail	29.6	.2	33.4	.5	33.5	1.9	16.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	29.1	.2	S	S	S	S	5.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	13.9	2.2	13.8	.7	19.0	1.3	9.9
Parcel, U.S. Postal Service or courier	14.3	2.2	18.1	.7	25.8	1.1	9.9
Truck and rail	25.9	.1	38.0	.2	37.7	.8	15.7
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	19.1	.7	31.5	2.1	S	S	30.8

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	4.2	—	4.5	—	6.1	—	7.9
Single modes	4.4	1.6	4.5	.9	6.2	1.6	11.2
Truck	4.3	1.7	4.4	1.1	5.6	2.2	11.7
For-hire truck	4.4	1.6	5.1	2.4	4.9	3.5	3.4
Private truck	6.5	1.2	7.6	2.0	20.5	1.8	13.4
Rail	29.8	.4	31.3	.5	34.9	1.1	14.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	18.6	.4	24.3	—	23.2	.2	3.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	11.9	1.6	14.9	.6	24.2	1.3	7.1
Parcel, U.S. Postal Service or courier	12.4	1.6	13.9	.5	16.6	.5	7.1
Truck and rail	45.5	.3	34.9	.4	38.7	1.1	13.3
Truck and water	S	S	S	S	S	S	21.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	17.0	.6	18.9	.5	30.1	.3	S
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	10.0	—	6.6	—	9.7	—	6.0
Single modes	9.0	2.7	6.6	1.7	10.9	3.1	15.2
Truck	10.0	2.6	6.8	1.8	11.6	3.2	18.5
For-hire truck	6.2	2.1	9.3	3.6	12.5	3.9	9.1
Private truck	13.0	1.4	15.6	2.7	21.4	1.4	19.9
Rail	28.1	—	27.3	.3	27.9	.6	24.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	11.9	1.0	24.0	.3	22.5	.6	3.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	17.0	2.7	17.8	1.8	22.2	3.1	3.6
Parcel, U.S. Postal Service or courier	17.1	2.7	18.3	1.8	22.9	3.1	3.6
Truck and rail	43.1	—	39.1	.2	41.6	.3	19.6
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	27.1	.9	15.8	.6	25.0	.3	37.9
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	15.4	—	12.1	—	17.3	—	13.6
Single modes	18.0	3.5	13.1	2.8	19.4	4.6	15.9
Truck	9.7	5.9	7.9	5.2	13.2	8.1	14.1
For-hire truck	11.7	4.5	10.2	3.9	14.2	6.9	9.2
Private truck	10.1	2.6	10.6	3.0	14.4	2.0	13.6
Rail	49.9	6.0	49.3	4.9	47.3	7.3	16.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	27.3	—	44.4	—	45.0	—	7.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	23.5	2.7	25.2	1.9	28.8	3.7	6.6
Parcel, U.S. Postal Service or courier	23.3	1.5	24.7	.9	29.4	1.9	6.6
Truck and rail	34.3	2.4	30.4	1.8	32.3	3.5	15.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	21.9	2.0	17.1	1.6	25.7	1.5	32.7

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	28.5	—	19.9	—	37.4	—	6.2
Single modes	29.9	2.7	20.5	1.2	38.3	1.0	7.8
Truck	25.8	6.2	14.1	5.7	16.9	8.0	7.9
For-hire truck	36.5	5.4	20.3	6.0	24.5	7.1	6.5
Private truck	28.1	5.3	31.4	7.0	31.0	7.5	19.6
Rail	S	S	S	S	S	S	19.8
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	33.1	5.9	35.9	2.2	37.1	3.2	8.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	27.4	2.6	22.7	.6	32.2	.5	6.0
Parcel, U.S. Postal Service or courier	27.3	2.5	18.3	.5	18.1	.5	6.0
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	41.9	1.0	43.8	1.1	S	S	18.6
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	9.6	—	13.3	—	15.4	—	7.8
Single modes	9.0	3.2	14.8	4.4	14.9	4.1	13.2
Truck	11.3	3.0	14.9	4.7	15.2	4.7	42.6
For-hire truck	10.9	2.2	13.7	4.8	15.8	5.1	11.3
Private truck	22.0	2.3	38.9	2.8	32.3	1.6	S
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	12.2	1.7	23.3	.8	25.2	1.2	5.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	15.2	3.4	26.3	4.5	33.4	4.2	8.4
Parcel, U.S. Postal Service or courier	15.1	3.4	27.1	4.5	35.7	4.3	8.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	26.6	1.0	24.9	.5	34.0	.4	17.7
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	8.5	—	12.8	—	17.3	—	9.4
Single modes	8.9	2.2	13.1	1.7	16.6	2.8	10.2
Truck	8.8	2.2	13.1	1.7	16.8	2.8	9.3
For-hire truck	10.7	2.4	15.4	3.7	18.7	2.6	6.1
Private truck	9.9	2.9	23.8	4.1	19.6	1.9	20.3
Rail	S	S	S	S	S	S	20.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	10.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	21.4	2.1	25.9	1.6	33.2	2.8	7.2
Parcel, U.S. Postal Service or courier	21.9	2.1	26.4	1.6	29.9	2.8	7.3
Truck and rail	S	S	S	S	S	S	24.2
Truck and water	S	S	S	S	S	S	20.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	47.9	1.2	42.2	1.0	42.0	1.0	40.1

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	6.7	—	10.5	—	13.2	—	6.2
Single modes	8.4	2.8	11.3	1.4	15.3	2.5	10.4
Truck	8.7	2.6	11.3	1.5	15.7	2.6	12.1
For-hire truck	12.1	3.0	15.4	3.5	18.6	3.0	5.6
Private truck	12.5	2.4	18.4	4.1	12.0	1.9	12.7
Rail	S	S	38.6	.3	39.3	.7	15.4
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	21.0	.5	18.7	—	21.3	.2	5.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	13.1	2.9	11.5	1.0	14.2	1.9	5.0
Parcel, U.S. Postal Service or courier	13.3	3.0	12.2	1.0	15.5	1.7	5.0
Truck and rail	44.1	.2	22.5	.1	24.5	.5	15.4
Truck and water	S	S	S	S	S	S	20.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	18.1	.7	27.6	.9	32.4	1.6	21.5
SCTG 41, WASTE AND SCRAP							
Total	12.9	—	25.0	—	21.4	—	22.4
Single modes	13.2	.8	25.2	.4	22.1	1.4	31.6
Truck	17.5	4.0	34.7	6.3	39.2	5.1	27.7
For-hire truck	15.0	3.3	16.9	4.0	20.3	3.6	10.4
Private truck	24.8	4.1	45.6	8.1	S	S	30.8
Rail	17.8	4.0	17.1	6.4	22.6	5.8	10.1
Water	S	S	S	S	S	S	21.4
Shallow draft	S	S	S	S	S	S	21.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	33.0	.8	S	S	39.2	1.4	19.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.9
Truck and rail	38.9	.7	S	S	40.2	1.4	21.0
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	20.8
SCTG 43, MIXED FREIGHT							
Total	15.1	—	31.3	—	S	S	15.2
Single modes	15.5	.9	31.5	.4	S	S	26.9
Truck	15.5	.8	31.6	.5	S	S	24.6
For-hire truck	19.9	4.1	S	S	S	S	14.2
Private truck	19.1	4.4	18.7	6.9	22.1	11.7	9.0
Rail	S	S	S	S	S	S	25.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	43.0	.8	S	S	46.7	.8	12.5
Parcel, U.S. Postal Service or courier	43.0	.8	S	S	46.7	.8	12.5
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	19.0	—	46.8	—	S	S	14.8
Single modes	19.6	4.7	46.9	1.8	S	S	26.8
Truck	18.8	6.7	32.4	12.7	24.4	13.3	28.0
For-hire truck	16.5	6.5	34.3	9.2	26.7	10.0	19.2
Private truck	34.3	5.7	37.1	9.1	39.4	5.5	19.4
Rail	S	S	S	S	S	S	20.4
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	42.8	.8	48.2	3.1	17.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	30.9	1.1	37.0	2.1	12.4
Parcel, U.S. Postal Service or courier	S	S	31.0	1.1	37.7	2.1	12.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	1.9	3.0	6.2
Less than 50 miles	1.7	4.9	5.3
50 to 99 miles	4.8	6.1	6.6
100 to 249 miles	3.1	6.0	7.2
250 to 499 miles	3.1	9.1	11.1
500 to 749 miles	3.8	9.5	10.6
750 to 999 miles	5.8	13.0	12.4
1,000 to 1,499 miles	5.3	10.2	10.9
1,500 to 1,999 miles	7.1	7.3	7.2
2,000 miles or more	25.0	S	S
SCTG 01, Live animals and live fish	38.0	41.0	31.6
Less than 50 miles	40.6	38.4	40.7
50 to 99 miles	S	S	S
100 to 249 miles	39.2	38.8	34.6
250 to 499 miles	44.9	34.4	36.7
500 to 749 miles	S	37.5	37.4
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	45.3	44.9
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	9.0	8.3	13.4
Less than 50 miles	12.6	12.8	15.5
50 to 99 miles	23.5	25.6	27.1
100 to 249 miles	15.9	15.5	17.2
250 to 499 miles	20.3	19.0	18.0
500 to 749 miles	25.6	25.9	27.5
750 to 999 miles	24.4	25.0	22.8
1,000 to 1,499 miles	18.5	18.7	19.5
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	21.3	13.3	18.6
Less than 50 miles	20.1	18.6	24.0
50 to 99 miles	33.5	20.7	21.7
100 to 249 miles	36.9	30.8	31.8
250 to 499 miles	24.0	34.1	44.5
500 to 749 miles	29.1	35.4	35.3
750 to 999 miles	17.4	19.8	20.2
1,000 to 1,499 miles	28.2	32.7	33.9
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	8.8	7.0	6.7
Less than 50 miles	8.6	9.5	11.9
50 to 99 miles	17.8	13.8	14.4
100 to 249 miles	12.4	12.1	12.3
250 to 499 miles	12.8	14.0	13.4
500 to 749 miles	14.8	16.3	17.3
750 to 999 miles	17.6	13.2	13.6
1,000 to 1,499 miles	9.6	9.5	10.1
1,500 to 1,999 miles	29.5	36.2	36.4
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	7.9	7.4	9.9
Less than 50 miles	10.7	11.2	13.7
50 to 99 miles	15.9	19.1	18.0
100 to 249 miles	7.9	6.6	6.8
250 to 499 miles	10.2	10.9	11.2
500 to 749 miles	11.4	11.8	11.8
750 to 999 miles	10.5	11.0	11.0
1,000 to 1,499 miles	16.9	16.2	16.2
1,500 to 1,999 miles	17.3	21.4	22.4
2,000 miles or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	11.5	7.1	10.7
Less than 50 miles	10.6	11.6	13.7
50 to 99 miles	17.2	13.0	12.6
100 to 249 miles	12.3	10.0	10.7
250 to 499 miles	15.1	8.8	9.2
500 to 749 miles	16.7	19.9	23.1
750 to 999 miles	25.3	13.3	13.1
1,000 to 1,499 miles	12.8	15.7	15.5
1,500 to 1,999 miles	46.4	22.4	22.0
2,000 miles or more	S	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	6.7	8.3	9.3
Less than 50 miles	12.1	13.0	13.0
50 to 99 miles	13.4	17.7	17.7
100 to 249 miles	9.0	9.9	9.1
250 to 499 miles	11.5	11.9	11.9
500 to 749 miles	11.1	12.6	12.9
750 to 999 miles	16.1	12.9	13.0
1,000 to 1,499 miles	7.2	14.3	15.2
1,500 to 1,999 miles	17.0	23.4	23.6
2,000 miles or more	S	S	S

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	12.3	15.1	20.3
Less than 50 miles	9.9	8.6	8.8
50 to 99 miles	24.4	31.8	34.2
100 to 249 miles	27.7	26.8	27.9
250 to 499 miles	30.0	33.6	33.3
500 to 749 miles	27.6	27.2	28.5
750 to 999 miles	S	47.3	46.3
1,000 to 1,499 miles	32.4	39.8	41.3
1,500 to 1,999 miles	44.3	S	S
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	14.0	26.3	27.6
Less than 50 miles	16.7	24.9	29.1
50 to 99 miles	16.3	35.2	33.8
100 to 249 miles	21.2	34.8	34.9
250 to 499 miles	43.6	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	49.5	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 10, Monumental or building stone	40.9	40.1	35.9
Less than 50 miles	46.6	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	48.7	45.1	44.9
500 to 749 miles	49.8	46.4	44.5
750 to 999 miles	S	S	S
1,000 to 1,499 miles	49.8	41.7	43.8
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 11, Natural sands	18.7	20.1	26.6
Less than 50 miles	15.1	19.7	21.7
50 to 99 miles	40.8	40.6	40.5
100 to 249 miles	36.0	42.1	37.0
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 12, Gravel and crushed stone	9.5	11.0	24.4
Less than 50 miles	11.5	13.4	16.1
50 to 99 miles	21.4	26.3	27.2
100 to 249 miles	21.8	22.9	26.1
250 to 499 miles	34.4	21.9	26.1
500 to 749 miles	32.0	41.5	41.4
750 to 999 miles	47.8	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	49.3	17.7	17.6
Less than 50 miles	34.1	29.5	39.5
50 to 99 miles	S	40.5	40.2
100 to 249 miles	35.9	25.3	25.5
250 to 499 miles	32.3	25.8	26.6
500 to 749 miles	31.7	26.1	25.1
750 to 999 miles	17.0	21.1	21.5
1,000 to 1,499 miles	17.7	25.2	25.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 14, Metallic ores and concentrates	17.2	19.8	26.3
Less than 50 miles	29.8	43.4	S
50 to 99 miles	28.9	43.8	43.2
100 to 249 miles	S	45.5	44.7
250 to 499 miles	32.5	31.2	31.8
500 to 749 miles	37.3	39.1	40.0
750 to 999 miles	S	S	S
1,000 to 1,499 miles	33.9	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 15, Coal	24.6	26.5	25.8
Less than 50 miles	24.5	26.7	27.4
50 to 99 miles	43.2	43.4	45.5
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	48.0	46.7	45.7
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	13.6	16.0	31.3
Less than 50 miles	12.1	15.6	17.3
50 to 99 miles	20.5	23.2	24.3
100 to 249 miles	32.8	35.5	36.1
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	12.5	14.1	S
Less than 50 miles	13.9	15.2	13.8
50 to 99 miles	21.3	18.2	24.7
100 to 249 miles	22.0	20.5	20.2
250 to 499 miles	41.6	46.3	49.7
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	17.7	18.2	27.7
Less than 50 miles	16.9	18.0	17.4
50 to 99 miles	43.0	33.1	29.5
100 to 249 miles	26.2	33.7	34.9
250 to 499 miles	31.4	46.7	46.4
500 to 749 miles	45.5	S	S
750 to 999 miles	41.0	33.1	35.9
1,000 to 1,499 miles	42.9	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 20, Basic chemicals	11.3	23.5	29.2
Less than 50 miles	17.1	18.2	16.7
50 to 99 miles	15.8	28.8	31.4
100 to 249 miles	14.9	25.4	27.5
250 to 499 miles	23.0	S	S
500 to 749 miles	21.0	S	S
750 to 999 miles	21.5	44.1	45.0
1,000 to 1,499 miles	23.0	44.5	43.7
1,500 to 1,999 miles	33.9	38.5	38.5
2,000 miles or more	S	S	S
SCTG 21, Pharmaceutical products	10.6	18.9	30.6
Less than 50 miles	13.2	20.3	17.6
50 to 99 miles	14.9	28.5	27.5
100 to 249 miles	17.0	13.4	14.8
250 to 499 miles	13.2	25.4	25.4
500 to 749 miles	17.8	19.8	19.6
750 to 999 miles	18.0	S	S
1,000 to 1,499 miles	21.3	25.8	25.8
1,500 to 1,999 miles	27.1	36.8	36.5
2,000 miles or more	S	49.4	48.5
SCTG 22, Fertilizers	17.1	14.0	9.2
Less than 50 miles	24.3	21.3	19.1
50 to 99 miles	20.4	20.9	18.5
100 to 249 miles	14.6	11.4	11.7
250 to 499 miles	18.0	16.9	15.8
500 to 749 miles	18.3	17.8	18.1
750 to 999 miles	31.2	34.9	36.1
1,000 to 1,499 miles	35.5	26.8	28.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	11.0	11.4	14.0
Less than 50 miles	16.4	25.5	26.1
50 to 99 miles	20.0	17.1	18.3
100 to 249 miles	18.7	11.8	13.9
250 to 499 miles	15.3	15.1	18.5
500 to 749 miles	15.2	17.5	17.6
750 to 999 miles	19.2	19.1	19.8
1,000 to 1,499 miles	27.0	26.9	26.6
1,500 to 1,999 miles	34.6	20.6	20.7
2,000 miles or more	S	S	S
SCTG 24, Plastics and rubber	5.6	11.1	12.9
Less than 50 miles	12.7	23.9	17.4
50 to 99 miles	11.7	13.9	12.0
100 to 249 miles	9.7	16.8	19.3
250 to 499 miles	6.9	15.6	15.8
500 to 749 miles	11.7	16.1	16.5
750 to 999 miles	10.0	22.4	23.3
1,000 to 1,499 miles	11.1	13.6	13.7
1,500 to 1,999 miles	15.6	16.4	16.4
2,000 miles or more	S	S	S

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	29.4	S	S
Less than 50 miles	35.7	S	S
50 to 99 miles	S	S	S
100 to 249 miles	29.6	47.9	45.6
250 to 499 miles	33.5	33.4	32.6
500 to 749 miles	49.1	46.9	48.4
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 26, Wood products	10.8	11.1	18.6
Less than 50 miles	12.2	15.1	17.8
50 to 99 miles	17.3	20.3	19.7
100 to 249 miles	18.2	20.1	19.2
250 to 499 miles	19.3	15.7	15.5
500 to 749 miles	20.5	12.4	12.3
750 to 999 miles	29.0	15.9	15.7
1,000 to 1,499 miles	17.9	46.6	46.0
1,500 to 1,999 miles	20.1	18.2	19.3
2,000 miles or more	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	10.9	15.0	15.5
Less than 50 miles	16.8	23.3	21.6
50 to 99 miles	27.4	39.2	41.7
100 to 249 miles	16.8	21.3	23.9
250 to 499 miles	15.4	18.0	18.2
500 to 749 miles	18.8	18.3	18.3
750 to 999 miles	36.2	32.0	31.4
1,000 to 1,499 miles	25.4	29.7	29.9
1,500 to 1,999 miles	38.6	33.4	32.8
2,000 miles or more	S	S	S
SCTG 28, Paper or paperboard articles	11.7	9.8	17.4
Less than 50 miles	22.3	13.4	17.3
50 to 99 miles	18.0	16.5	16.2
100 to 249 miles	13.3	13.0	13.0
250 to 499 miles	15.3	11.5	11.5
500 to 749 miles	25.7	20.6	20.1
750 to 999 miles	20.8	40.0	40.6
1,000 to 1,499 miles	15.0	24.9	27.8
1,500 to 1,999 miles	23.9	26.7	26.9
2,000 miles or more	S	S	S
SCTG 29, Printed products	5.7	10.2	14.6
Less than 50 miles	11.4	14.0	16.0
50 to 99 miles	13.4	13.2	12.6
100 to 249 miles	12.9	13.2	13.3
250 to 499 miles	11.9	19.5	20.2
500 to 749 miles	7.8	20.9	19.0
750 to 999 miles	17.8	15.0	14.5
1,000 to 1,499 miles	14.4	16.0	15.8
1,500 to 1,999 miles	14.1	34.3	35.3
2,000 miles or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	21.3	26.9	38.9
Less than 50 miles	30.5	20.8	21.8
50 to 99 miles	12.0	24.9	24.9
100 to 249 miles	42.7	33.1	30.3
250 to 499 miles	26.9	32.3	33.0
500 to 749 miles	24.8	36.7	35.5
750 to 999 miles	16.6	28.4	28.7
1,000 to 1,499 miles	32.7	S	S
1,500 to 1,999 miles	22.1	39.5	39.5
2,000 miles or more	39.7	S	S
SCTG 31, Nonmetallic mineral products	6.1	9.3	24.2
Less than 50 miles	7.6	13.2	13.7
50 to 99 miles	12.3	13.5	13.7
100 to 249 miles	9.8	12.0	12.2
250 to 499 miles	10.2	15.4	17.2
500 to 749 miles	18.3	19.7	19.3
750 to 999 miles	14.5	40.3	44.9
1,000 to 1,499 miles	16.9	S	S
1,500 to 1,999 miles	28.7	38.2	37.7
2,000 miles or more	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	8.4	12.8	33.6
Less than 50 miles	12.5	17.3	17.5
50 to 99 miles	12.9	16.4	17.8
100 to 249 miles	9.3	11.7	12.2
250 to 499 miles	10.7	10.4	10.8
500 to 749 miles	14.0	20.5	21.4
750 to 999 miles	17.8	S	S
1,000 to 1,499 miles	17.1	S	S
1,500 to 1,999 miles	38.7	37.4	37.6
2,000 miles or more	S	S	S

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	7.4	43.7	S
Less than 50 miles	10.1	27.0	43.4
50 to 99 miles	12.4	18.1	17.5
100 to 249 miles	16.5	31.4	34.6
250 to 499 miles	12.4	40.4	41.3
500 to 749 miles	14.5	S	S
750 to 999 miles	15.1	S	S
1,000 to 1,499 miles	10.2	S	S
1,500 to 1,999 miles	33.0	42.2	41.7
2,000 miles or more	37.8	S	S
SCTG 34, Machinery	4.2	4.5	6.1
Less than 50 miles	6.0	8.6	7.7
50 to 99 miles	8.1	9.7	9.6
100 to 249 miles	6.7	5.8	6.7
250 to 499 miles	5.1	6.8	7.2
500 to 749 miles	7.3	8.5	8.4
750 to 999 miles	10.4	8.0	8.1
1,000 to 1,499 miles	10.3	10.4	10.8
1,500 to 1,999 miles	23.6	25.0	25.0
2,000 miles or more	47.1	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	10.0	6.6	9.7
Less than 50 miles	8.3	14.9	18.8
50 to 99 miles	12.6	15.9	15.5
100 to 249 miles	17.1	12.3	13.4
250 to 499 miles	13.3	13.3	13.4
500 to 749 miles	12.9	8.1	8.0
750 to 999 miles	24.2	9.4	9.0
1,000 to 1,499 miles	14.5	12.7	13.0
1,500 to 1,999 miles	18.9	45.0	44.2
2,000 miles or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	15.4	12.1	17.3
Less than 50 miles	9.6	13.9	13.0
50 to 99 miles	12.4	13.2	14.2
100 to 249 miles	15.2	14.0	14.0
250 to 499 miles	20.9	15.3	16.6
500 to 749 miles	23.7	19.1	19.8
750 to 999 miles	26.5	24.3	25.6
1,000 to 1,499 miles	19.5	18.9	21.0
1,500 to 1,999 miles	37.4	34.6	35.3
2,000 miles or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	28.5	19.9	37.4
Less than 50 miles	47.5	31.8	30.3
50 to 99 miles	33.6	33.9	32.8
100 to 249 miles	20.3	22.1	23.2
250 to 499 miles	16.3	27.8	27.9
500 to 749 miles	34.2	16.3	15.9
750 to 999 miles	32.8	25.8	24.9
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	33.7	35.6
2,000 miles or more	S	S	S
SCTG 38, Precision instruments and apparatus	9.6	13.3	15.4
Less than 50 miles	23.2	30.5	34.2
50 to 99 miles	20.5	41.7	37.1
100 to 249 miles	12.8	23.7	21.6
250 to 499 miles	13.0	32.2	28.7
500 to 749 miles	10.9	21.0	21.2
750 to 999 miles	14.2	25.6	26.6
1,000 to 1,499 miles	13.8	21.5	21.4
1,500 to 1,999 miles	16.0	31.2	30.7
2,000 miles or more	29.2	26.0	30.8
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.5	12.8	17.3
Less than 50 miles	12.5	30.5	35.3
50 to 99 miles	25.3	21.2	20.4
100 to 249 miles	11.3	24.6	29.6
250 to 499 miles	7.3	13.5	14.8
500 to 749 miles	11.5	20.9	20.3
750 to 999 miles	13.0	17.5	17.6
1,000 to 1,499 miles	10.1	21.0	21.3
1,500 to 1,999 miles	19.0	31.1	30.6
2,000 miles or more	S	S	S
SCTG 40, Miscellaneous manufactured products	6.7	10.5	13.2
Less than 50 miles	8.6	21.1	20.2
50 to 99 miles	17.4	15.6	15.2
100 to 249 miles	17.2	12.8	12.1
250 to 499 miles	8.6	14.8	14.8
500 to 749 miles	15.4	13.2	13.0
750 to 999 miles	10.1	27.4	26.2
1,000 to 1,499 miles	10.5	15.3	15.8
1,500 to 1,999 miles	16.0	25.7	25.7
2,000 miles or more	36.6	49.8	S

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	12.9	25.0	21.4
Less than 50 miles	20.0	32.0	29.8
50 to 99 miles	23.5	35.6	35.4
100 to 249 miles	17.1	32.4	30.0
250 to 499 miles	18.3	31.4	32.2
500 to 749 miles	20.9	32.2	32.3
750 to 999 miles	30.6	38.3	37.3
1,000 to 1,499 miles	36.6	31.8	31.3
1,500 to 1,999 miles	S	48.6	48.3
2,000 miles or more	—	—	—
SCTG 43, Mixed freight	15.1	31.3	S
Less than 50 miles	15.1	16.9	16.4
50 to 99 miles	16.3	16.5	17.8
100 to 249 miles	23.8	25.3	24.2
250 to 499 miles	19.6	S	S
500 to 749 miles	22.4	S	S
750 to 999 miles	32.3	S	S
1,000 to 1,499 miles	38.0	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
Commodity unknown	19.0	46.8	S
Less than 50 miles	24.8	42.1	S
50 to 99 miles	49.0	S	S
100 to 249 miles	47.8	S	S
250 to 499 miles	33.8	S	S
500 to 749 miles	49.0	44.1	46.0
750 to 999 miles	29.7	37.4	36.4
1,000 to 1,499 miles	23.4	S	S
1,500 to 1,999 miles	S	46.8	46.2
2,000 miles or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	1.9	3.0	6.2
Less than 50 lb	4.3	8.0	15.5
50 to 99 lb	4.0	4.0	8.3
100 to 499 lb	6.5	5.1	5.3
500 to 749 lb	8.6	5.7	4.1
750 to 999 lb	3.6	6.2	3.2
1,000 to 9,999 lb	3.8	4.1	3.7
10,000 to 49,999 lb	3.4	5.1	6.3
50,000 to 99,999 lb	10.0	3.7	4.9
100,000 lb or more	4.4	6.2	9.2
SCTG 01, Live animals and live fish	38.0	41.0	31.6
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	40.1
50,000 to 99,999 lb	S	S	40.9
100,000 lb or more	41.8	S	S
SCTG 02, Cereal grains	9.0	8.3	13.4
Less than 50 lb	38.2	32.2	41.4
50 to 99 lb	S	43.3	45.4
100 to 499 lb	30.4	26.3	23.5
500 to 749 lb	37.7	30.7	35.5
750 to 999 lb	41.3	40.7	37.8
1,000 to 9,999 lb	37.7	21.2	35.3
10,000 to 49,999 lb	25.5	14.3	28.9
50,000 to 99,999 lb	10.0	10.3	12.3
100,000 lb or more	10.8	10.2	14.0
SCTG 03, Other agricultural products	21.3	13.3	18.6
Less than 50 lb	34.9	31.7	38.2
50 to 99 lb	29.4	21.8	23.2
100 to 499 lb	23.0	23.9	26.1
500 to 749 lb	28.0	30.3	31.9
750 to 999 lb	S	30.2	45.6
1,000 to 9,999 lb	25.1	24.0	31.6
10,000 to 49,999 lb	S	41.4	S
50,000 to 99,999 lb	12.6	12.6	13.6
100,000 lb or more	15.4	15.8	19.6
SCTG 04, Animal feed and products of animal origin, n.e.c.	8.8	7.0	6.7
Less than 50 lb	19.7	20.5	27.0
50 to 99 lb	13.1	16.7	17.8
100 to 499 lb	13.7	18.3	21.0
500 to 749 lb	16.8	21.3	23.1
750 to 999 lb	26.4	25.7	32.0
1,000 to 9,999 lb	13.5	14.3	23.7
10,000 to 49,999 lb	12.8	11.3	12.0
50,000 to 99,999 lb	10.0	11.7	17.9
100,000 lb or more	13.1	13.4	11.9
SCTG 05, Meat, fish, seafood, and their preparations	7.9	7.4	9.9
Less than 50 lb	S	34.6	S
50 to 99 lb	S	37.1	26.2
100 to 499 lb	25.2	29.3	26.7
500 to 749 lb	24.3	34.6	23.8
750 to 999 lb	27.2	24.3	19.6
1,000 to 9,999 lb	12.1	9.6	11.4
10,000 to 49,999 lb	8.7	8.6	11.7
50,000 to 99,999 lb	26.2	23.7	41.7
100,000 lb or more	34.1	30.7	27.7
SCTG 06, Milled grain products and preparations, and bakery products	11.5	7.1	10.7
Less than 50 lb	S	S	S
50 to 99 lb	23.7	25.9	24.2
100 to 499 lb	33.9	28.9	28.1
500 to 749 lb	30.5	22.8	23.0
750 to 999 lb	23.0	21.2	22.0
1,000 to 9,999 lb	16.0	18.4	16.1
10,000 to 49,999 lb	16.5	10.2	12.8
50,000 to 99,999 lb	19.2	19.9	21.0
100,000 lb or more	12.3	13.2	15.9
SCTG 07, Other prepared foodstuffs and fats and oils	6.7	8.3	9.3
Less than 50 lb	29.5	19.1	42.9
50 to 99 lb	23.1	19.8	23.3
100 to 499 lb	12.0	16.4	14.8
500 to 749 lb	12.1	21.2	13.3
750 to 999 lb	17.1	23.4	18.3
1,000 to 9,999 lb	14.8	18.3	11.9
10,000 to 49,999 lb	6.7	10.0	5.9
50,000 to 99,999 lb	12.1	12.2	13.6
100,000 lb or more	11.4	12.5	15.0

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	12.3	15.1	20.3
Less than 50 lb	21.4	18.2	14.2
50 to 99 lb	21.4	16.3	19.9
100 to 499 lb	9.4	10.5	10.5
500 to 749 lb	11.3	10.5	12.5
750 to 999 lb	9.5	11.6	11.5
1,000 to 9,999 lb	16.1	10.5	11.2
10,000 to 49,999 lb	29.4	32.7	35.2
50,000 to 99,999 lb	33.7	29.9	36.8
100,000 lb or more	34.3	24.3	31.0
SCTG 09, Tobacco products	14.0	26.3	27.6
Less than 50 lb	29.2	17.1	15.0
50 to 99 lb	27.4	16.4	23.6
100 to 499 lb	15.4	14.6	19.8
500 to 749 lb	25.8	31.4	38.1
750 to 999 lb	31.9	34.9	48.4
1,000 to 9,999 lb	27.5	34.0	34.3
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	40.9	40.1	35.9
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	49.3	46.2	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	41.5	40.7	44.7
10,000 to 49,999 lb	45.0	44.3	43.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	18.7	20.1	26.6
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	38.8	43.9
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	22.0	39.5
10,000 to 49,999 lb	16.3	20.1	22.8
50,000 to 99,999 lb	25.5	30.3	36.0
100,000 lb or more	S	38.9	S
SCTG 12, Gravel and crushed stone	9.5	11.0	24.4
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	41.5	49.3
500 to 749 lb	S	33.7	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	41.4	25.9	25.5
10,000 to 49,999 lb	15.1	16.1	42.5
50,000 to 99,999 lb	10.7	11.3	16.6
100,000 lb or more	17.8	21.9	29.8
SCTG 13, Nonmetallic minerals n.e.c.	49.3	17.7	17.6
Less than 50 lb	S	37.1	S
50 to 99 lb	S	38.3	48.8
100 to 499 lb	22.4	32.5	49.1
500 to 749 lb	S	S	S
750 to 999 lb	45.8	S	S
1,000 to 9,999 lb	32.6	41.0	44.8
10,000 to 49,999 lb	S	31.4	19.6
50,000 to 99,999 lb	S	25.6	22.4
100,000 lb or more	23.8	24.6	21.6
SCTG 14, Metallic ores and concentrates	17.2	19.8	26.3
Less than 50 lb	S	S	47.8
50 to 99 lb	S	46.6	S
100 to 499 lb	39.8	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	33.9	28.3	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	19.4	20.0	26.2
SCTG 15, Coal	24.6	26.5	25.8
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	—	—	—
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	32.3	39.3	31.0
50,000 to 99,999 lb	37.3	34.7	35.1
100,000 lb or more	27.2	27.2	28.3

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	13.6	16.0	31.3
Less than 50 lb	40.6	45.9	S
50 to 99 lb	47.0	46.3	S
100 to 499 lb	S	24.6	30.6
500 to 749 lb	32.3	25.4	26.3
750 to 999 lb	S	42.6	49.4
1,000 to 9,999 lb	17.8	18.5	17.1
10,000 to 49,999 lb	17.7	20.3	32.3
50,000 to 99,999 lb	20.8	21.2	27.2
100,000 lb or more	37.4	39.3	47.7
SCTG 18, Fuel oils	12.5	14.1	S
Less than 50 lb	S	S	S
50 to 99 lb	48.7	S	S
100 to 499 lb	26.5	24.9	35.8
500 to 749 lb	31.3	28.4	24.4
750 to 999 lb	40.0	45.1	28.3
1,000 to 9,999 lb	25.0	27.7	24.1
10,000 to 49,999 lb	20.0	20.4	18.0
50,000 to 99,999 lb	14.7	15.6	21.9
100,000 lb or more	40.4	44.8	S
SCTG 19, Coal and petroleum products, n.e.c.	17.7	18.2	27.7
Less than 50 lb	21.9	21.2	34.1
50 to 99 lb	14.7	16.9	26.5
100 to 499 lb	20.8	18.0	22.6
500 to 749 lb	34.3	36.3	S
750 to 999 lb	28.0	34.8	24.1
1,000 to 9,999 lb	22.4	19.2	25.5
10,000 to 49,999 lb	21.5	23.8	33.5
50,000 to 99,999 lb	35.5	31.1	31.3
100,000 lb or more	40.9	33.5	34.2
SCTG 20, Basic chemicals	11.3	23.5	29.2
Less than 50 lb	34.2	26.5	41.1
50 to 99 lb	33.2	34.1	28.7
100 to 499 lb	20.6	43.3	45.3
500 to 749 lb	31.6	S	27.9
750 to 999 lb	40.5	S	26.4
1,000 to 9,999 lb	19.8	18.9	15.7
10,000 to 49,999 lb	15.3	14.0	16.7
50,000 to 99,999 lb	36.3	38.0	49.2
100,000 lb or more	33.2	34.8	36.0
SCTG 21, Pharmaceutical products	10.6	18.9	30.6
Less than 50 lb	16.2	16.9	17.8
50 to 99 lb	17.9	12.0	18.9
100 to 499 lb	14.6	14.2	16.8
500 to 749 lb	25.4	19.2	20.1
750 to 999 lb	32.2	25.9	35.1
1,000 to 9,999 lb	23.4	23.5	20.5
10,000 to 49,999 lb	21.3	39.8	46.6
50,000 to 99,999 lb	S	S	46.8
100,000 lb or more	—	—	—
SCTG 22, Fertilizers	17.1	14.0	9.2
Less than 50 lb	45.0	45.3	49.8
50 to 99 lb	44.1	31.3	39.5
100 to 499 lb	37.8	33.7	31.8
500 to 749 lb	33.5	28.7	45.3
750 to 999 lb	S	46.1	45.9
1,000 to 9,999 lb	26.8	27.6	20.0
10,000 to 49,999 lb	17.9	17.6	15.6
50,000 to 99,999 lb	18.9	18.2	17.1
100,000 lb or more	33.7	22.9	13.8
SCTG 23, Chemical products and preparations, n.e.c.	11.0	11.4	14.0
Less than 50 lb	15.6	17.4	21.3
50 to 99 lb	14.4	10.3	19.4
100 to 499 lb	12.2	9.8	22.3
500 to 749 lb	13.6	14.7	27.5
750 to 999 lb	18.8	20.5	20.3
1,000 to 9,999 lb	14.9	14.7	17.6
10,000 to 49,999 lb	15.4	12.9	15.2
50,000 to 99,999 lb	49.0	S	S
100,000 lb or more	S	46.0	46.5
SCTG 24, Plastics and rubber	5.6	11.1	12.9
Less than 50 lb	11.0	15.2	31.2
50 to 99 lb	10.6	12.2	9.7
100 to 499 lb	8.0	11.7	10.6
500 to 749 lb	10.4	9.3	13.8
750 to 999 lb	15.3	12.6	17.4
1,000 to 9,999 lb	10.2	19.0	13.9
10,000 to 49,999 lb	11.1	17.1	17.7
50,000 to 99,999 lb	S	S	S
100,000 lb or more	43.3	43.3	44.4

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	29.4	S	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	28.5	S	46.8
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 26, Wood products	10.8	11.1	18.6
Less than 50 lb	23.7	21.0	31.2
50 to 99 lb	14.9	43.2	S
100 to 499 lb	15.3	12.5	18.8
500 to 749 lb	14.1	14.7	25.9
750 to 999 lb	14.9	21.6	25.6
1,000 to 9,999 lb	11.5	15.5	13.0
10,000 to 49,999 lb	15.4	13.8	26.9
50,000 to 99,999 lb	23.6	21.3	17.0
100,000 lb or more	20.5	20.3	19.6
SCTG 27, Pulp, newsprint, paper, and paperboard	10.9	15.0	15.5
Less than 50 lb	19.4	14.5	14.7
50 to 99 lb	25.1	12.2	17.5
100 to 499 lb	18.6	15.7	23.4
500 to 749 lb	26.4	23.0	26.2
750 to 999 lb	39.2	27.7	45.3
1,000 to 9,999 lb	20.4	22.4	22.6
10,000 to 49,999 lb	19.2	25.2	14.9
50,000 to 99,999 lb	S	44.2	S
100,000 lb or more	28.9	25.3	27.2
SCTG 28, Paper or paperboard articles	11.7	9.8	17.4
Less than 50 lb	32.2	14.3	23.5
50 to 99 lb	13.1	15.6	S
100 to 499 lb	12.4	11.3	19.6
500 to 749 lb	16.3	12.9	26.8
750 to 999 lb	17.9	14.1	45.7
1,000 to 9,999 lb	21.9	12.9	38.0
10,000 to 49,999 lb	14.5	11.6	13.1
50,000 to 99,999 lb	29.9	33.8	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	5.7	10.2	14.6
Less than 50 lb	14.9	27.6	S
50 to 99 lb	22.1	24.5	19.1
100 to 499 lb	12.8	11.8	11.8
500 to 749 lb	27.7	15.1	14.0
750 to 999 lb	16.5	18.4	22.6
1,000 to 9,999 lb	8.3	7.7	12.5
10,000 to 49,999 lb	10.9	17.4	15.7
50,000 to 99,999 lb	45.0	45.3	S
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	21.3	26.9	38.9
Less than 50 lb	17.8	19.9	23.7
50 to 99 lb	28.3	25.7	38.2
100 to 499 lb	32.4	18.8	23.6
500 to 749 lb	24.2	12.8	16.0
750 to 999 lb	34.1	20.1	24.3
1,000 to 9,999 lb	26.0	23.7	15.6
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	49.2	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	6.1	9.3	24.2
Less than 50 lb	17.1	41.0	S
50 to 99 lb	19.9	15.4	29.9
100 to 499 lb	18.6	17.2	22.1
500 to 749 lb	15.0	16.6	16.3
750 to 999 lb	20.7	23.9	20.1
1,000 to 9,999 lb	12.1	18.6	12.4
10,000 to 49,999 lb	8.1	10.0	22.4
50,000 to 99,999 lb	13.0	14.6	18.7
100,000 lb or more	26.6	29.3	45.9
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	8.4	12.8	33.6
Less than 50 lb	27.0	15.6	31.6
50 to 99 lb	18.5	22.7	18.4
100 to 499 lb	14.1	18.8	12.1
500 to 749 lb	19.5	26.4	18.1
750 to 999 lb	15.7	23.2	13.4
1,000 to 9,999 lb	16.1	25.3	15.5
10,000 to 49,999 lb	10.2	11.8	11.2
50,000 to 99,999 lb	23.5	18.9	33.3
100,000 lb or more	25.3	47.4	S

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	7.4	43.7	S
Less than 50 lb	12.9	19.2	37.1
50 to 99 lb	16.9	10.5	13.5
100 to 499 lb	11.1	12.6	8.5
500 to 749 lb	26.2	15.6	14.8
750 to 999 lb	18.0	29.1	27.3
1,000 to 9,999 lb	11.3	18.8	15.0
10,000 to 49,999 lb	10.4	S	S
50,000 to 99,999 lb	33.2	33.8	34.9
100,000 lb or more	29.8	S	S
SCTG 34, Machinery	4.2	4.5	6.1
Less than 50 lb	11.7	14.2	15.0
50 to 99 lb	11.6	11.1	12.3
100 to 499 lb	7.3	8.1	13.9
500 to 749 lb	11.0	11.3	12.3
750 to 999 lb	12.1	10.2	16.1
1,000 to 9,999 lb	6.9	7.5	9.7
10,000 to 49,999 lb	4.2	5.0	6.8
50,000 to 99,999 lb	33.7	30.2	37.2
100,000 lb or more	S	40.6	41.9
SCTG 35, Electronic and other electrical equipment and components and office equipment	10.0	6.6	9.7
Less than 50 lb	9.3	11.7	18.1
50 to 99 lb	15.3	16.5	27.5
100 to 499 lb	24.1	21.9	24.2
500 to 749 lb	17.0	16.2	22.6
750 to 999 lb	17.2	15.9	27.7
1,000 to 9,999 lb	21.0	14.3	23.7
10,000 to 49,999 lb	9.5	12.6	13.0
50,000 to 99,999 lb	S	47.4	S
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	15.4	12.1	17.3
Less than 50 lb	12.3	14.2	30.1
50 to 99 lb	21.8	17.5	26.1
100 to 499 lb	28.9	13.8	11.5
500 to 749 lb	24.0	13.7	23.6
750 to 999 lb	27.3	20.5	18.6
1,000 to 9,999 lb	15.3	14.7	25.1
10,000 to 49,999 lb	19.0	11.7	15.7
50,000 to 99,999 lb	S	38.1	49.2
100,000 lb or more	49.9	49.6	S
SCTG 37, Transportation equipment, n.e.c.	28.5	19.9	37.4
Less than 50 lb	32.2	36.3	47.9
50 to 99 lb	24.4	32.2	38.6
100 to 499 lb	35.5	27.9	33.5
500 to 749 lb	40.1	41.2	41.7
750 to 999 lb	S	31.7	39.6
1,000 to 9,999 lb	46.7	33.6	49.4
10,000 to 49,999 lb	33.6	26.4	42.8
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	48.6	S
SCTG 38, Precision instruments and apparatus	9.6	13.3	15.4
Less than 50 lb	11.9	27.4	27.0
50 to 99 lb	18.9	29.5	47.2
100 to 499 lb	21.4	24.5	30.3
500 to 749 lb	22.2	18.9	14.9
750 to 999 lb	32.9	20.4	21.9
1,000 to 9,999 lb	17.9	16.1	21.9
10,000 to 49,999 lb	21.6	18.4	20.9
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.5	12.8	17.3
Less than 50 lb	22.2	33.5	38.4
50 to 99 lb	22.2	36.0	43.1
100 to 499 lb	20.6	12.5	8.8
500 to 749 lb	15.0	11.9	12.8
750 to 999 lb	9.4	8.7	14.3
1,000 to 9,999 lb	10.1	9.9	11.8
10,000 to 49,999 lb	16.2	23.3	34.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	6.7	10.5	13.2
Less than 50 lb	12.6	14.1	19.2
50 to 99 lb	9.8	10.5	16.4
100 to 499 lb	7.9	9.0	9.5
500 to 749 lb	S	11.4	12.5
750 to 999 lb	12.1	13.7	18.5
1,000 to 9,999 lb	11.0	10.3	11.0
10,000 to 49,999 lb	15.6	15.2	21.6
50,000 to 99,999 lb	13.0	27.9	17.9
100,000 lb or more	44.8	S	22.7

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	12.9	25.0	21.4
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	39.9	S	S
10,000 to 49,999 lb	15.9	29.5	19.9
50,000 to 99,999 lb	46.2	S	S
100,000 lb or more	17.5	17.0	21.7
SCTG 43, Mixed freight	15.1	31.3	S
Less than 50 lb	24.9	23.9	45.9
50 to 99 lb	22.1	27.3	34.4
100 to 499 lb	25.6	36.6	22.1
500 to 749 lb	22.7	27.0	24.1
750 to 999 lb	24.4	19.3	41.4
1,000 to 9,999 lb	15.6	18.1	21.2
10,000 to 49,999 lb	24.4	21.8	22.7
50,000 to 99,999 lb	37.6	35.4	S
100,000 lb or more	S	S	S
Commodity unknown	19.0	46.8	S
Less than 50 lb	38.1	28.3	43.6
50 to 99 lb	S	30.5	43.7
100 to 499 lb	33.8	29.7	35.6
500 to 749 lb	32.6	43.7	37.3
750 to 999 lb	29.3	38.2	27.8
1,000 to 9,999 lb	23.8	36.3	27.9
10,000 to 49,999 lb	29.4	30.1	45.5
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	1.9	3.0	6.2	6.4	1.7	4.9	5.3	4.8	6.1	6.6
Less than 50 lb	4.3	8.0	15.5	6.1	4.8	6.4	6.7	8.5	6.0	5.9
50 to 99 lb	4.0	4.0	8.3	7.1	5.9	6.6	8.1	8.2	5.8	5.7
100 to 499 lb	6.5	5.1	5.3	7.2	4.6	7.6	9.0	5.9	6.4	6.2
500 to 749 lb	8.6	5.7	4.1	6.5	6.0	8.7	10.0	9.8	6.9	6.7
750 to 999 lb	3.6	6.2	3.2	5.2	7.0	8.9	9.7	15.5	12.8	11.3
1,000 to 9,999 lb	3.8	4.1	3.7	5.3	3.8	5.7	6.6	5.1	5.5	5.8
10,000 to 49,999 lb	3.4	5.1	6.3	4.7	4.0	7.0	8.8	11.4	8.4	8.5
50,000 to 99,999 lb	10.0	3.7	4.9	4.4	6.4	5.4	6.9	7.3	8.1	8.4
100,000 lb or more	4.4	6.2	9.2	5.3	11.3	12.6	11.7	23.1	21.6	22.1
SCTG 01, Live animals and live fish	38.0	41.0	31.6	22.2	40.6	38.4	40.7	S	S	S
Less than 50 lb	S	S	S	25.9	S	S	S	S	S	S
50 to 99 lb	S	S	S	24.8	S	S	S	S	S	S
100 to 499 lb	S	S	S	43.8	S	S	S	S	S	S
500 to 749 lb	S	S	S	23.7	S	S	S	S	S	S
750 to 999 lb	S	S	S	30.4	-	-	-	S	S	S
1,000 to 9,999 lb	S	S	S	23.5	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	40.1	28.1	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	40.9	28.1	S	S	S	S	S	S
100,000 lb or more	41.8	S	S	19.7	S	S	S	S	S	S
SCTG 02, Cereal grains	9.0	8.3	13.4	13.2	12.6	12.8	15.5	23.5	25.6	27.1
Less than 50 lb	38.2	32.2	41.4	44.0	S	49.3	46.0	S	S	S
50 to 99 lb	S	43.3	45.4	S	S	49.6	S	S	S	S
100 to 499 lb	30.4	26.3	23.5	S	38.8	27.9	40.5	S	46.1	47.3
500 to 749 lb	37.7	30.7	35.5	S	49.3	36.6	40.1	S	S	S
750 to 999 lb	41.3	40.7	37.8	S	48.4	S	S	-	-	-
1,000 to 9,999 lb	37.7	21.2	35.3	32.6	27.1	30.3	41.1	S	S	S
10,000 to 49,999 lb	25.5	14.3	28.9	17.9	19.2	19.7	23.5	43.3	49.3	S
50,000 to 99,999 lb	10.0	10.3	12.3	14.8	16.4	16.3	18.6	24.7	24.9	25.6
100,000 lb or more	10.8	10.2	14.0	11.5	19.0	21.2	27.0	48.8	S	S
SCTG 03, Other agricultural products	21.3	13.3	18.6	15.8	20.1	18.6	24.0	33.5	20.7	21.7
Less than 50 lb	34.9	31.7	38.2	16.1	46.7	43.4	43.3	S	S	48.1
50 to 99 lb	29.4	21.8	23.2	29.7	29.5	24.7	22.0	S	S	S
100 to 499 lb	23.0	23.9	26.1	42.0	25.7	29.9	23.5	S	30.5	31.4
500 to 749 lb	28.0	30.3	31.9	26.9	40.4	40.3	33.1	40.6	31.2	30.9
750 to 999 lb	S	30.2	45.6	S	26.2	34.8	41.1	S	S	S
1,000 to 9,999 lb	25.1	24.0	31.6	22.8	26.6	24.9	23.0	39.5	36.1	36.1
10,000 to 49,999 lb	S	41.4	S	15.1	S	31.6	40.1	S	S	S
50,000 to 99,999 lb	12.6	12.6	13.6	7.3	15.5	15.4	17.8	23.8	23.5	24.3
100,000 lb or more	15.4	15.8	19.6	10.5	S	S	S	41.8	41.9	42.2
SCTG 04, Animal feed and products of animal origin, n.e.c.	8.8	7.0	6.7	21.5	8.6	9.5	11.9	17.8	13.8	14.4
Less than 50 lb	19.7	20.5	27.0	S	22.4	20.8	20.6	S	48.3	46.0
50 to 99 lb	13.1	16.7	17.8	S	16.3	17.8	24.6	S	S	S
100 to 499 lb	13.7	18.3	21.0	S	17.8	18.9	31.1	26.6	21.7	22.7
500 to 749 lb	16.8	21.3	23.1	39.9	20.4	21.9	29.9	47.4	32.0	32.8
750 to 999 lb	26.4	25.7	32.0	S	29.7	25.7	31.4	40.8	44.3	47.1
1,000 to 9,999 lb	13.5	14.3	23.7	13.1	14.2	15.3	16.4	25.8	27.1	27.3
10,000 to 49,999 lb	12.8	11.3	12.0	9.5	11.5	11.2	15.0	23.7	20.2	21.2
50,000 to 99,999 lb	10.0	11.7	17.9	10.2	14.5	22.2	17.1	17.6	18.2	17.3
100,000 lb or more	13.1	13.4	11.9	6.9	31.7	36.2	39.2	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	7.9	7.4	9.9	17.7	10.7	11.2	13.7	15.9	19.1	18.0
Less than 50 lb	S	34.6	S	33.7	S	40.1	39.6	S	39.8	37.1
50 to 99 lb	S	37.1	26.2	38.6	S	44.0	44.7	33.8	38.2	40.7
100 to 499 lb	25.2	29.3	26.7	17.8	29.2	33.1	46.3	27.1	31.7	31.4
500 to 749 lb	24.3	34.6	23.8	S	35.6	30.2	43.1	45.0	49.9	48.7
750 to 999 lb	27.2	24.3	19.6	35.5	47.8	30.6	30.5	35.5	36.0	37.1
1,000 to 9,999 lb	12.1	9.6	11.4	9.1	18.4	20.2	21.2	23.8	22.9	23.5
10,000 to 49,999 lb	8.7	8.6	11.7	5.4	11.2	14.2	12.7	19.0	21.9	20.8
50,000 to 99,999 lb	26.2	23.7	41.7	16.6	41.7	S	S	46.8	42.4	41.8
100,000 lb or more	34.1	30.7	27.7	17.2	S	S	S	-	-	-
SCTG 06, Milled grain products and preparations, and bakery products	11.5	7.1	10.7	8.7	10.6	11.6	13.7	17.2	13.0	12.6
Less than 50 lb	S	S	S	18.9	S	35.3	33.6	33.5	32.9	34.3
50 to 99 lb	23.7	25.9	24.2	S	34.5	35.3	26.5	37.0	44.9	45.6
100 to 499 lb	33.9	28.9	28.1	16.7	34.3	32.1	33.8	26.6	32.8	31.9
500 to 749 lb	30.5	22.8	23.0	18.5	30.5	27.9	29.9	29.0	25.5	25.1
750 to 999 lb	23.0	21.2	22.0	13.2	28.9	25.1	23.9	29.4	30.8	30.6
1,000 to 9,999 lb	16.0	18.4	16.1	13.4	18.1	24.9	29.6	20.6	26.4	25.3
10,000 to 49,999 lb	16.5	10.2	12.8	6.6	13.3	14.3	18.9	30.7	18.6	19.6
50,000 to 99,999 lb	19.2	19.9	21.0	17.3	40.6	40.4	41.7	47.0	50.0	S
100,000 lb or more	12.3	13.2	15.9	5.5	36.3	34.3	39.1	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	6.7	8.3	9.3	16.3	12.1	13.0	13.0	13.4	17.7	17.7
Less than 50 lb	29.5	19.1	42.9	21.6	34.4	21.2	19.1	41.5	33.4	33.1
50 to 99 lb	23.1	19.8	23.3	23.3	19.5	23.3	23.7	42.6	30.3	32.1
100 to 499 lb	12.0	16.4	14.8	16.8	16.1	18.5	20.4	25.7	20.7	20.9
500 to 749 lb	12.1	21.2	13.3	20.8	19.9	26.8	26.0	20.1	20.9	22.0
750 to 999 lb	17.1	23.4	18.3	22.8	26.4	27.1	33.7	24.5	41.3	38.2
1,000 to 9,999 lb	14.8	18.3	11.9	11.1	21.4	25.6	29.5	16.6	16.6	17.2
10,000 to 49,999 lb	6.7	10.0	5.9	8.5	12.0	12.4	15.2	19.7	24.8	25.0
50,000 to 99,999 lb	12.1	12.2	13.6	7.1	20.5	20.6	19.6	16.8	20.7	18.1
100,000 lb or more	11.4	12.5	15.0	5.3	43.4	35.2	43.5	S	S	S
SCTG 08, Alcoholic beverages	12.3	15.1	20.3	7.2	9.9	8.6	8.8	24.4	31.8	34.2
Less than 50 lb	21.4	18.2	14.2	16.7	24.8	20.3	20.5	27.0	32.5	31.5
50 to 99 lb	21.4	16.3	19.9	11.3	21.7	14.3	15.7	41.7	43.3	43.9
100 to 499 lb	9.4	10.5	10.5	7.3	9.8	11.0	12.9	27.8	25.6	26.2
500 to 749 lb	11.3	10.5	12.5	7.9	11.5	10.5	11.2	21.0	25.9	27.0
750 to 999 lb	9.5	11.6	11.5	10.8	10.4	12.7	12.4	20.8	19.5	19.8
1,000 to 9,999 lb	16.1	10.5	11.2	7.5	16.2	10.6	12.6	21.9	17.9	18.4
10,000 to 49,999 lb	29.4	32.7	35.2	18.8	24.4	28.6	29.3	S	S	S
50,000 to 99,999 lb	33.7	29.9	36.8	15.1	37.2	39.2	S	S	S	S
100,000 lb or more	34.3	24.3	31.0	16.7	S	S	S	—	—	—
SCTG 09, Tobacco products	14.0	26.3	27.6	5.5	16.7	24.9	29.1	16.3	35.2	33.8
Less than 50 lb	29.2	17.1	15.0	6.6	28.8	19.5	21.5	34.8	24.4	24.1
50 to 99 lb	27.4	16.4	23.6	14.8	19.8	19.9	21.4	24.4	24.4	23.9
100 to 499 lb	15.4	14.6	19.8	9.4	20.2	17.1	18.8	22.9	24.9	24.7
500 to 749 lb	25.8	31.4	38.1	13.8	29.5	35.9	31.9	38.6	49.3	49.6
750 to 999 lb	31.9	34.9	48.4	21.5	38.1	40.5	41.6	S	S	S
1,000 to 9,999 lb	27.5	34.0	34.3	14.0	S	41.7	S	47.7	40.7	40.8
10,000 to 49,999 lb	S	S	S	22.1	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	40.9	40.1	35.9	S	46.6	S	S	S	S	S
Less than 50 lb	S	S	S	27.4	S	S	S	—	—	—
50 to 99 lb	S	S	S	23.0	S	S	S	—	—	—
100 to 499 lb	49.3	46.2	S	20.8	S	S	S	—	—	—
500 to 749 lb	S	S	S	20.6	S	S	S	—	—	—
750 to 999 lb	S	S	S	41.0	S	S	S	S	S	S
1,000 to 9,999 lb	41.5	40.7	44.7	30.7	40.7	S	S	49.5	S	S
10,000 to 49,999 lb	45.0	44.3	43.3	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.1	S	S	S	—	—	—
100,000 lb or more	S	S	S	25.8	S	S	S	S	S	S
SCTG 11, Natural sands	18.7	20.1	26.6	27.3	15.1	19.7	21.7	40.8	40.6	40.5
Less than 50 lb	S	S	S	33.9	S	S	S	—	—	—
50 to 99 lb	S	S	S	21.7	S	S	S	—	—	—
100 to 499 lb	S	38.8	43.9	22.8	S	47.3	S	S	S	S
500 to 749 lb	S	S	S	21.7	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	22.0	39.5	S	28.2	23.7	22.4	S	S	S
10,000 to 49,999 lb	16.3	20.1	22.8	48.6	17.4	20.2	25.7	42.9	45.0	43.5
50,000 to 99,999 lb	25.5	30.3	36.0	13.8	24.5	28.1	28.4	40.3	48.4	46.1
100,000 lb or more	S	38.9	S	26.5	46.0	44.8	39.5	S	S	S
SCTG 12, Gravel and crushed stone	9.5	11.0	24.4	23.5	11.5	13.4	16.1	21.4	26.3	27.2
Less than 50 lb	S	S	S	21.4	S	S	S	—	—	—
50 to 99 lb	S	S	S	21.5	S	S	S	—	—	—
100 to 499 lb	S	41.5	49.3	37.6	S	44.3	40.8	S	S	S
500 to 749 lb	S	33.7	S	34.9	S	38.3	47.7	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	41.4	25.9	25.5	15.8	32.8	26.5	26.7	S	43.4	42.9
10,000 to 49,999 lb	15.1	16.1	42.5	31.1	16.0	16.9	19.3	27.9	27.7	28.5
50,000 to 99,999 lb	10.7	11.3	16.6	14.1	10.4	11.8	14.2	30.2	39.3	36.2
100,000 lb or more	17.8	21.9	29.8	35.5	27.4	33.6	37.3	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	49.3	17.7	17.6	17.7	34.1	29.5	39.5	S	40.5	40.2
Less than 50 lb	S	37.1	S	19.9	S	43.3	S	S	S	S
50 to 99 lb	S	38.3	48.8	S	S	39.6	S	S	S	S
100 to 499 lb	22.4	32.5	49.1	26.4	23.7	31.4	40.1	S	S	S
500 to 749 lb	S	S	S	23.7	S	S	S	S	S	S
750 to 999 lb	45.8	S	S	S	S	S	41.5	S	S	S
1,000 to 9,999 lb	32.6	41.0	44.8	S	44.2	44.2	S	43.1	31.8	30.7
10,000 to 49,999 lb	S	31.4	19.6	41.3	S	49.3	39.1	S	S	S
50,000 to 99,999 lb	S	25.6	22.4	11.3	S	40.9	S	S	34.5	35.0
100,000 lb or more	23.8	24.6	21.6	15.0	45.6	45.9	S	43.8	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	17.2	19.8	26.3	16.5	29.8	43.4	S	28.9	43.8	43.2
Less than 50 lb	S	S	47.8	26.3	S	S	S	—	—	—
50 to 99 lb	S	46.6	S	26.4	S	S	S	S	S	S
100 to 499 lb	39.8	S	S	24.5	S	S	S	—	—	—
500 to 749 lb	S	S	S	21.3	—	—	—	—	—	—
750 to 999 lb	S	S	S	22.0	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	26.9	S	S	S	S	S	S
10,000 to 49,999 lb	33.9	28.3	S	19.3	49.7	S	S	45.1	41.8	41.0
50,000 to 99,999 lb	S	S	S	20.2	49.7	47.1	S	S	S	S
100,000 lb or more	19.4	20.0	26.2	18.8	34.8	45.3	S	34.4	45.7	45.1
SCTG 15, Coal	24.6	26.5	25.8	S	24.5	26.7	27.4	43.2	43.4	45.5
Less than 50 lb	S	S	S	22.9	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	22.1	S	S	S	S	S	S
500 to 749 lb	S	S	S	22.4	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	32.3	39.3	31.0	47.1	S	48.9	S	S	S	S
50,000 to 99,999 lb	37.3	34.7	35.1	18.5	46.4	47.1	46.1	43.2	42.6	44.6
100,000 lb or more	27.2	27.2	28.3	S	27.3	27.2	29.3	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	13.6	16.0	31.3	17.7	12.1	15.6	17.3	20.5	23.2	24.3
Less than 50 lb	40.6	45.9	S	S	40.3	45.9	S	—	—	—
50 to 99 lb	47.0	46.3	S	15.7	46.3	45.8	S	S	S	S
100 to 499 lb	S	24.6	30.6	11.3	S	24.7	31.6	S	S	S
500 to 749 lb	32.3	25.4	26.3	13.7	32.8	25.5	26.3	S	S	S
750 to 999 lb	S	42.6	49.4	29.2	S	43.1	S	S	S	S
1,000 to 9,999 lb	17.8	18.5	17.1	11.5	18.0	19.1	20.2	37.0	37.0	39.8
10,000 to 49,999 lb	17.7	20.3	32.3	9.7	17.7	21.2	20.4	25.5	27.4	29.9
50,000 to 99,999 lb	20.8	21.2	27.2	12.1	19.8	20.2	24.6	24.5	26.1	27.3
100,000 lb or more	37.4	39.3	47.7	20.6	38.2	42.7	S	—	—	—
SCTG 18, Fuel oils	12.5	14.1	S	19.2	13.9	15.2	13.8	21.3	18.2	24.7
Less than 50 lb	S	S	S	29.2	S	S	S	S	S	S
50 to 99 lb	48.7	S	S	17.1	46.8	47.2	S	S	S	S
100 to 499 lb	26.5	24.9	35.8	16.1	26.6	24.4	28.8	S	S	S
500 to 749 lb	31.3	28.4	24.4	9.6	31.3	28.4	24.4	—	—	—
750 to 999 lb	40.0	45.1	28.3	14.3	40.5	45.2	28.8	S	S	S
1,000 to 9,999 lb	25.0	27.7	24.1	8.9	25.7	28.1	26.8	S	41.1	37.1
10,000 to 49,999 lb	20.0	20.4	18.0	16.3	24.3	24.7	20.6	30.3	26.9	25.5
50,000 to 99,999 lb	14.7	15.6	21.9	12.8	17.6	18.5	22.3	20.9	22.2	22.1
100,000 lb or more	40.4	44.8	S	20.0	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	17.7	18.2	27.7	16.9	16.9	18.0	17.4	43.0	33.1	29.5
Less than 50 lb	21.9	21.2	34.1	35.7	23.3	24.7	23.7	39.0	S	47.4
50 to 99 lb	14.7	16.9	26.5	17.6	17.5	18.8	37.0	33.6	35.5	32.5
100 to 499 lb	20.8	18.0	22.6	14.2	20.6	17.9	23.0	28.2	28.9	28.8
500 to 749 lb	34.3	36.3	S	S	42.8	41.1	32.5	S	44.0	46.3
750 to 999 lb	28.0	34.8	24.1	41.4	30.8	36.5	26.6	49.3	40.6	37.6
1,000 to 9,999 lb	22.4	19.2	25.5	23.5	23.1	18.4	18.9	38.0	38.0	39.3
10,000 to 49,999 lb	21.5	23.8	33.5	18.8	20.5	30.0	28.0	25.9	27.5	29.1
50,000 to 99,999 lb	35.5	31.1	31.3	15.8	S	S	31.7	S	S	S
100,000 lb or more	40.9	33.5	34.2	24.8	49.1	S	S	S	47.6	47.5
SCTG 20, Basic chemicals	11.3	23.5	29.2	22.8	17.1	18.2	16.7	15.8	28.8	31.4
Less than 50 lb	34.2	26.5	41.1	17.7	32.1	41.1	S	S	27.6	27.0
50 to 99 lb	33.2	34.1	28.7	35.3	48.0	37.8	43.4	43.1	36.6	37.8
100 to 499 lb	20.6	43.3	45.3	49.7	29.8	43.0	44.8	40.6	S	S
500 to 749 lb	31.6	S	27.9	S	S	S	44.7	40.8	S	S
750 to 999 lb	40.5	S	26.4	S	34.0	S	S	S	26.4	32.5
1,000 to 9,999 lb	19.8	18.9	15.7	19.6	25.2	27.4	22.0	26.2	13.0	14.2
10,000 to 49,999 lb	15.3	14.0	16.7	17.9	27.6	22.9	23.8	29.9	27.6	31.2
50,000 to 99,999 lb	36.3	38.0	49.2	18.5	30.4	39.2	S	S	S	S
100,000 lb or more	33.2	34.8	36.0	14.1	49.8	49.8	49.8	S	S	S
SCTG 21, Pharmaceutical products	10.6	18.9	30.6	7.6	13.2	20.3	17.6	14.9	28.5	27.5
Less than 50 lb	16.2	16.9	17.8	8.8	16.4	21.7	22.1	12.5	20.5	20.8
50 to 99 lb	17.9	12.0	18.9	10.3	26.4	28.7	26.4	31.5	20.4	20.7
100 to 499 lb	14.6	14.2	16.8	15.5	28.7	35.2	33.3	24.2	20.5	20.7
500 to 749 lb	25.4	19.2	20.1	17.6	S	49.2	S	46.1	32.8	31.8
750 to 999 lb	32.2	25.9	35.1	20.2	S	38.2	S	S	S	S
1,000 to 9,999 lb	23.4	23.5	20.5	16.6	30.6	26.1	24.0	S	S	S
10,000 to 49,999 lb	21.3	39.8	46.6	11.3	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	46.8	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	17.1	14.0	9.2	24.7	24.3	21.3	19.1	20.4	20.9	18.5
Less than 50 lb	45.0	45.3	49.8	19.1	S	S	S	S	S	S
50 to 99 lb	44.1	31.3	39.5	S	46.2	37.0	44.8	S	S	S
100 to 499 lb	37.8	33.7	31.8	43.8	44.3	35.6	42.4	43.2	35.6	35.7
500 to 749 lb	33.5	28.7	45.3	38.6	40.0	34.8	35.6	S	S	S
750 to 999 lb	S	46.1	45.9	S	S	47.5	S	S	49.4	S
1,000 to 9,999 lb	26.8	27.6	20.0	44.3	29.5	28.2	27.0	42.1	36.9	36.2
10,000 to 49,999 lb	17.9	17.6	15.6	20.4	23.4	22.0	22.0	14.8	15.4	14.2
50,000 to 99,999 lb	18.9	18.2	17.1	13.7	23.9	20.7	23.7	37.2	34.3	30.6
100,000 lb or more	33.7	22.9	13.8	15.2	S	S	47.7	43.8	40.3	44.2
SCTG 23, Chemical products and preparations, n.e.c.	11.0	11.4	14.0	13.6	16.4	25.5	26.1	20.0	17.1	18.3
Less than 50 lb	15.6	17.4	21.3	16.8	16.7	17.2	23.5	26.6	45.5	45.0
50 to 99 lb	14.4	10.3	19.4	18.1	17.3	14.3	19.5	19.5	20.9	21.6
100 to 499 lb	12.2	9.8	22.3	15.4	17.3	11.3	13.3	15.1	15.5	14.9
500 to 749 lb	13.6	14.7	27.5	18.1	24.2	15.5	15.5	36.1	20.8	20.4
750 to 999 lb	18.8	20.5	20.3	18.4	31.9	33.4	23.6	35.3	36.5	34.6
1,000 to 9,999 lb	14.9	14.7	17.6	6.5	25.6	21.6	25.9	27.8	22.5	23.9
10,000 to 49,999 lb	15.4	12.9	15.2	11.7	24.5	30.3	31.3	22.9	20.6	21.2
50,000 to 99,999 lb	49.0	S	S	20.4	S	45.7	44.9	S	S	S
100,000 lb or more	S	46.0	46.5	19.8	S	S	S	—	—	—
SCTG 24, Plastics and rubber	5.6	11.1	12.9	10.5	12.7	23.9	17.4	11.7	13.9	12.0
Less than 50 lb	11.0	15.2	31.2	10.8	21.8	11.1	11.1	15.4	14.8	15.1
50 to 99 lb	10.6	12.2	9.7	12.0	16.1	15.6	15.0	23.6	20.7	19.8
100 to 499 lb	8.0	11.7	10.6	9.4	15.6	17.8	20.1	14.2	16.5	17.8
500 to 749 lb	10.4	9.3	13.8	10.1	19.7	19.7	21.5	18.0	18.7	19.6
750 to 999 lb	15.3	12.6	17.4	10.0	26.3	33.3	29.2	25.0	20.5	18.5
1,000 to 9,999 lb	10.2	19.0	13.9	7.9	24.8	37.8	27.6	20.8	21.0	19.3
10,000 to 49,999 lb	11.1	17.1	17.7	5.1	23.2	20.3	21.5	26.9	28.3	25.0
50,000 to 99,999 lb	S	S	S	20.4	—	—	—	—	—	—
100,000 lb or more	43.3	43.3	44.4	21.5	S	S	S	—	—	—
SCTG 25, Logs and other wood in the rough	29.4	S	S	S	35.7	S	S	S	S	S
Less than 50 lb	S	S	S	23.5	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	21.6	S	S	S	—	—	—
500 to 749 lb	S	S	S	23.8	S	S	S	S	S	S
750 to 999 lb	S	S	S	38.6	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	28.5	S	46.8	26.0	47.0	S	S	31.6	S	S
50,000 to 99,999 lb	S	S	S	40.9	S	S	S	S	S	S
100,000 lb or more	S	S	S	26.9	S	S	S	S	S	S
SCTG 26, Wood products	10.8	11.1	18.6	14.0	12.2	15.1	17.8	17.3	20.3	19.7
Less than 50 lb	23.7	21.0	31.2	15.1	14.8	13.7	15.2	21.5	20.5	25.3
50 to 99 lb	14.9	43.2	S	19.3	14.7	13.4	20.8	18.9	19.3	19.7
100 to 499 lb	15.3	12.5	18.8	17.6	20.9	15.6	18.4	13.1	11.9	11.7
500 to 749 lb	14.1	14.7	25.9	23.7	15.9	12.6	13.3	33.4	37.4	34.7
750 to 999 lb	14.9	21.6	25.6	27.9	20.9	25.5	47.4	35.7	43.0	40.9
1,000 to 9,999 lb	11.5	15.5	13.0	12.9	11.5	22.4	20.9	16.5	18.0	18.0
10,000 to 49,999 lb	15.4	13.8	26.9	15.2	18.9	21.0	22.8	22.6	24.6	23.9
50,000 to 99,999 lb	23.6	21.3	17.0	24.7	30.8	28.6	31.0	47.3	48.4	46.6
100,000 lb or more	20.5	20.3	19.6	11.7	45.5	39.9	34.4	42.5	41.0	42.0
SCTG 27, Pulp, newsprint, paper, and paperboard	10.9	15.0	15.5	17.5	16.8	23.3	21.6	27.4	39.2	41.7
Less than 50 lb	19.4	14.5	14.7	15.4	27.8	15.0	16.9	32.0	21.1	19.9
50 to 99 lb	25.1	12.2	17.5	43.9	33.6	12.7	14.9	32.9	38.0	38.9
100 to 499 lb	18.6	15.7	23.4	36.9	16.6	15.4	15.7	41.9	32.0	33.1
500 to 749 lb	26.4	23.0	26.2	49.9	27.1	24.1	22.8	34.3	32.3	38.7
750 to 999 lb	39.2	27.7	45.3	30.2	38.6	18.6	20.6	46.5	S	S
1,000 to 9,999 lb	20.4	22.4	22.6	38.2	22.4	18.0	14.3	17.5	S	S
10,000 to 49,999 lb	19.2	25.2	14.9	20.7	35.9	42.8	39.2	S	S	S
50,000 to 99,999 lb	S	44.2	S	19.6	S	S	S	—	—	—
100,000 lb or more	28.9	25.3	27.2	16.0	S	S	S	S	S	S
SCTG 28, Paper or paperboard articles	11.7	9.8	17.4	12.1	22.3	13.4	17.3	18.0	16.5	16.2
Less than 50 lb	32.2	14.3	23.5	10.0	13.7	10.7	15.4	25.5	17.6	17.3
50 to 99 lb	13.1	15.6	S	24.2	14.0	18.8	19.3	31.6	37.5	36.4
100 to 499 lb	12.4	11.3	19.6	24.4	14.3	15.5	15.2	23.0	22.0	20.1
500 to 749 lb	16.3	12.9	26.8	19.4	21.4	18.3	18.1	26.2	19.4	20.1
750 to 999 lb	17.9	14.1	45.7	21.8	14.2	14.1	16.0	31.8	27.7	27.3
1,000 to 9,999 lb	21.9	12.9	38.0	14.2	32.7	12.3	16.6	30.4	19.1	18.1
10,000 to 49,999 lb	14.5	11.6	13.1	8.5	23.1	19.4	22.9	21.5	20.6	21.0
50,000 to 99,999 lb	29.9	33.8	S	24.7	45.8	S	S	S	S	S
100,000 lb or more	S	S	S	21.8	—	—	—	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	5.7	10.2	14.6	7.6	11.4	14.0	16.0	13.4	13.2	12.6
Less than 50 lb	14.9	27.6	S	7.6	17.5	23.1	20.9	45.0	16.8	17.0
50 to 99 lb	22.1	24.5	19.1	15.9	14.8	24.9	40.1	23.2	39.8	40.7
100 to 499 lb	12.8	11.8	11.8	10.6	15.8	20.9	19.9	12.4	20.2	19.2
500 to 749 lb	27.7	15.1	14.0	12.0	34.2	20.5	22.7	39.0	45.1	46.8
750 to 999 lb	16.5	18.4	22.6	12.9	16.8	23.5	27.7	29.9	43.2	35.1
1,000 to 9,999 lb	8.3	7.7	12.5	12.8	17.9	15.9	14.4	17.9	20.1	19.1
10,000 to 49,999 lb	10.9	17.4	15.7	7.5	22.7	31.6	30.6	26.7	22.9	21.8
50,000 to 99,999 lb	45.0	45.3	S	28.1	S	S	44.7	S	S	S
100,000 lb or more	S	S	S	22.4	S	S	S	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	21.3	26.9	38.9	6.1	30.5	20.8	21.8	12.0	24.9	24.9
Less than 50 lb	17.8	19.9	23.7	6.2	19.7	19.4	18.4	25.7	24.0	26.9
50 to 99 lb	28.3	25.7	38.2	8.0	23.1	26.2	25.6	32.5	27.6	27.7
100 to 499 lb	32.4	18.8	23.6	9.3	29.9	27.3	48.9	S	42.1	45.6
500 to 749 lb	24.2	12.8	16.0	8.7	29.3	28.0	29.1	43.1	26.4	26.0
750 to 999 lb	34.1	20.1	24.3	12.8	27.2	31.0	27.3	27.5	35.1	37.8
1,000 to 9,999 lb	26.0	23.7	15.6	11.2	20.4	28.3	23.7	23.3	21.4	22.8
10,000 to 49,999 lb	S	S	S	9.7	S	37.8	35.2	39.2	45.2	45.4
50,000 to 99,999 lb	49.2	S	S	22.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	26.9	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	6.1	9.3	24.2	14.5	7.6	13.2	13.7	12.3	13.5	13.7
Less than 50 lb	17.1	41.0	S	12.2	17.7	17.3	24.7	24.7	21.5	23.0
50 to 99 lb	19.9	15.4	29.9	24.0	21.8	19.1	18.4	S	41.1	38.8
100 to 499 lb	18.6	17.2	22.1	18.2	23.3	23.9	15.5	27.1	20.9	22.1
500 to 749 lb	15.0	16.6	16.3	35.8	19.6	21.3	22.9	35.2	28.9	34.3
750 to 999 lb	20.7	23.9	20.1	46.1	28.4	30.2	29.9	45.9	32.5	30.0
1,000 to 9,999 lb	12.1	18.6	12.4	19.7	22.5	21.7	19.4	17.1	21.9	21.9
10,000 to 49,999 lb	8.1	10.0	22.4	23.9	8.4	12.4	16.7	19.5	24.3	24.0
50,000 to 99,999 lb	13.0	14.6	18.7	7.6	19.6	20.3	25.0	13.9	14.6	14.5
100,000 lb or more	26.6	29.3	45.9	18.3	45.1	S	41.0	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	8.4	12.8	33.6	15.7	12.5	17.3	17.5	12.9	16.4	17.8
Less than 50 lb	27.0	15.6	31.6	16.4	26.4	20.1	15.5	24.9	30.1	29.9
50 to 99 lb	18.5	22.7	18.4	16.1	18.6	24.1	33.3	28.5	36.7	38.1
100 to 499 lb	14.1	18.8	12.1	14.6	18.3	19.5	14.4	32.0	46.5	46.1
500 to 749 lb	19.5	26.4	18.1	15.2	21.0	31.6	27.7	S	S	S
750 to 999 lb	15.7	23.2	13.4	18.1	23.0	25.0	38.4	37.2	49.5	47.5
1,000 to 9,999 lb	16.1	25.3	15.5	11.3	22.9	31.0	41.5	23.7	33.0	32.1
10,000 to 49,999 lb	10.2	11.8	11.2	8.9	10.2	25.2	15.7	15.1	15.1	15.4
50,000 to 99,999 lb	23.5	18.9	33.3	25.5	27.7	30.6	S	32.3	35.5	36.3
100,000 lb or more	25.3	47.4	S	14.8	43.4	41.9	41.3	S	S	S
SCTG 33, Articles of base metal	7.4	43.7	S	11.4	10.1	27.0	43.4	12.4	18.1	17.5
Less than 50 lb	12.9	19.2	37.1	13.0	16.0	12.4	14.3	25.1	18.4	17.6
50 to 99 lb	16.9	10.5	13.5	9.1	20.8	14.0	13.8	23.9	19.8	19.0
100 to 499 lb	11.1	12.6	8.5	8.4	16.9	18.5	18.0	19.8	22.5	23.7
500 to 749 lb	26.2	15.6	14.8	12.9	17.9	22.2	31.3	24.5	26.9	28.2
750 to 999 lb	18.0	29.1	27.3	12.8	32.0	41.7	47.6	34.7	47.5	43.7
1,000 to 9,999 lb	11.3	18.8	15.0	7.4	12.8	22.3	19.2	28.3	18.8	18.4
10,000 to 49,999 lb	10.4	S	S	7.8	27.1	43.7	S	24.9	25.9	26.1
50,000 to 99,999 lb	33.2	33.8	34.9	22.4	45.1	S	S	S	S	S
100,000 lb or more	29.8	S	S	18.1	47.2	S	S	S	S	S
SCTG 34, Machinery	4.2	4.5	6.1	7.9	6.0	8.6	7.7	8.1	9.7	9.6
Less than 50 lb	11.7	14.2	15.0	9.2	17.5	19.5	24.4	18.9	23.1	21.8
50 to 99 lb	11.6	11.1	12.3	11.8	27.1	21.8	23.4	19.9	22.0	22.2
100 to 499 lb	7.3	8.1	13.9	7.9	12.2	14.9	16.1	29.6	14.0	14.6
500 to 749 lb	11.0	11.3	12.3	11.5	24.1	29.4	38.9	16.0	16.0	16.2
750 to 999 lb	12.1	10.2	16.1	7.6	25.7	28.5	39.9	31.0	25.5	24.7
1,000 to 9,999 lb	6.9	7.5	9.7	6.0	12.9	16.1	11.2	12.5	16.5	17.6
10,000 to 49,999 lb	4.2	5.0	6.8	4.4	12.4	11.8	13.7	18.3	18.7	17.5
50,000 to 99,999 lb	33.7	30.2	37.2	22.8	S	47.3	S	S	S	S
100,000 lb or more	S	40.6	41.9	19.8	—	—	—	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	10.0	6.6	9.7	6.0	8.3	14.9	18.8	12.6	15.9	15.5
Less than 50 lb	9.3	11.7	18.1	6.7	12.2	14.5	17.6	18.1	12.9	13.7
50 to 99 lb	15.3	16.5	27.5	15.3	15.0	25.0	31.2	15.9	18.2	16.6
100 to 499 lb	24.1	21.9	24.2	10.2	12.2	27.7	34.1	20.8	17.1	16.1
500 to 749 lb	17.0	16.2	22.6	9.5	23.5	21.2	28.0	S	33.0	31.5
750 to 999 lb	17.2	15.9	27.7	9.8	38.0	21.3	20.1	S	40.3	39.0
1,000 to 9,999 lb	21.0	14.3	23.7	7.0	23.2	24.1	26.3	36.0	24.3	26.3
10,000 to 49,999 lb	9.5	12.6	13.0	4.7	31.8	29.6	39.4	33.9	30.2	32.7
50,000 to 99,999 lb	S	47.4	S	22.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.2	—	—	—	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	15.4	12.1	17.3	13.6	9.6	13.9	13.0	12.4	13.2	14.2
Less than 50 lb	12.3	14.2	30.1	16.2	19.1	17.1	15.9	33.1	11.7	12.2
50 to 99 lb	21.8	17.5	26.1	12.4	19.8	16.2	13.6	23.5	19.6	20.3
100 to 499 lb	28.9	13.8	11.5	8.1	15.6	12.7	13.8	18.6	13.7	16.8
500 to 749 lb	24.0	13.7	23.6	11.4	24.9	20.4	20.5	S	30.8	32.3
750 to 999 lb	27.3	20.5	18.6	14.6	S	48.4	S	40.9	31.5	44.8
1,000 to 9,999 lb	15.3	14.7	25.1	8.8	15.9	21.2	22.1	15.1	15.4	28.8
10,000 to 49,999 lb	19.0	11.7	15.7	6.3	15.3	16.6	13.8	23.6	23.9	24.9
50,000 to 99,999 lb	S	38.1	49.2	16.1	46.3	S	S	S	S	S
100,000 lb or more	49.9	49.6	S	29.2	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	28.5	19.9	37.4	6.2	47.5	31.8	30.3	33.6	33.9	32.8
Less than 50 lb	32.2	36.3	47.9	7.6	31.5	30.4	41.4	S	S	S
50 to 99 lb	24.4	32.2	38.6	10.6	S	36.8	41.8	S	S	S
100 to 499 lb	35.5	27.9	33.5	10.8	S	S	S	S	S	S
500 to 749 lb	40.1	41.2	41.7	12.6	S	S	S	—	—	—
750 to 999 lb	S	31.7	39.6	13.0	49.7	S	S	—	—	—
1,000 to 9,999 lb	46.7	33.6	49.4	7.1	47.5	40.9	40.1	43.2	32.8	31.2
10,000 to 49,999 lb	33.6	26.4	42.8	11.3	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.4	—	—	—	—	—	—
100,000 lb or more	S	48.6	S	20.7	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	9.6	13.3	15.4	7.8	23.2	30.5	34.2	20.5	41.7	37.1
Less than 50 lb	11.9	27.4	27.0	7.6	24.3	46.4	33.3	31.8	23.0	22.9
50 to 99 lb	18.9	29.5	47.2	14.2	32.6	46.8	S	34.4	30.0	37.8
100 to 499 lb	21.4	24.5	30.3	16.1	S	S	49.3	32.0	44.6	38.2
500 to 749 lb	22.2	18.9	14.9	23.9	38.1	28.6	36.2	S	46.6	47.6
750 to 999 lb	32.9	20.4	21.9	12.7	S	37.7	40.1	S	S	S
1,000 to 9,999 lb	17.9	16.1	21.9	15.6	26.8	22.9	32.9	42.2	47.0	47.6
10,000 to 49,999 lb	21.6	18.4	20.9	10.2	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.4	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.5	12.8	17.3	9.4	12.5	30.5	35.3	25.3	21.2	20.4
Less than 50 lb	22.2	33.5	38.4	10.1	21.2	16.4	16.2	48.3	38.6	34.9
50 to 99 lb	22.2	36.0	43.1	10.9	20.7	16.3	19.3	25.9	21.5	21.1
100 to 499 lb	20.6	12.5	8.8	10.6	30.8	22.8	25.0	S	40.0	42.0
500 to 749 lb	15.0	11.9	12.8	11.6	32.8	26.5	27.4	32.4	27.8	30.1
750 to 999 lb	9.4	8.7	14.3	9.0	17.3	13.7	19.8	36.9	37.0	37.5
1,000 to 9,999 lb	10.1	9.9	11.8	5.5	16.1	19.8	16.6	19.8	20.3	20.9
10,000 to 49,999 lb	16.2	23.3	34.3	10.4	35.1	42.5	32.1	47.8	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	23.0	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	6.7	10.5	13.2	6.2	8.6	21.1	20.2	17.4	15.6	15.2
Less than 50 lb	12.6	14.1	19.2	6.2	12.2	16.1	13.8	23.0	25.1	25.2
50 to 99 lb	9.8	10.5	16.4	10.0	21.4	26.2	24.2	22.4	23.8	23.1
100 to 499 lb	7.9	9.0	9.5	8.1	15.1	16.4	21.6	30.1	29.5	30.5
500 to 749 lb	S	11.4	12.5	8.1	17.6	28.9	20.7	34.8	29.7	33.3
750 to 999 lb	12.1	13.7	18.5	7.2	30.7	25.6	30.3	37.0	33.1	32.3
1,000 to 9,999 lb	11.0	10.3	11.0	9.0	18.6	22.1	25.6	25.6	15.6	15.0
10,000 to 49,999 lb	15.6	15.2	21.6	7.3	34.0	30.2	27.8	37.6	20.9	18.5
50,000 to 99,999 lb	13.0	27.9	17.9	18.8	S	S	S	28.5	S	S
100,000 lb or more	44.8	S	22.7	31.0	S	S	S	S	S	S
SCTG 41, Waste and scrap .	12.9	25.0	21.4	22.4	20.0	32.0	29.8	23.5	35.6	35.4
Less than 50 lb	S	S	S	21.4	S	S	S	S	S	S
50 to 99 lb	S	S	S	24.3	S	S	S	—	—	—
100 to 499 lb	S	S	S	21.3	S	S	S	S	S	S
500 to 749 lb	S	S	S	22.2	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	39.9	S	S	46.4	43.4	S	S	S	48.2	S
10,000 to 49,999 lb	15.9	29.5	19.9	32.3	26.8	45.0	38.1	22.6	34.8	36.8
50,000 to 99,999 lb	46.2	S	S	49.8	S	S	S	39.6	S	S
100,000 lb or more	17.5	17.0	21.7	8.6	27.0	26.3	33.0	49.6	47.3	45.0
SCTG 43, Mixed freight	15.1	31.3	S	15.2	15.1	16.9	16.4	16.3	16.5	17.8
Less than 50 lb	24.9	23.9	45.9	16.4	23.4	19.1	21.0	23.6	23.7	23.4
50 to 99 lb	22.1	27.3	34.4	26.8	23.5	27.6	31.7	26.4	33.4	30.2
100 to 499 lb	25.6	36.6	22.1	30.3	33.9	S	40.7	19.9	24.6	23.8
500 to 749 lb	22.7	27.0	24.1	20.9	32.9	47.4	31.7	33.3	22.2	20.0
750 to 999 lb	24.4	19.3	41.4	22.3	31.6	27.4	23.1	30.5	28.1	28.0
1,000 to 9,999 lb	15.6	18.1	21.2	17.5	17.5	19.4	16.1	20.4	16.9	16.9
10,000 to 49,999 lb	24.4	21.8	22.7	8.7	23.7	21.3	22.0	25.9	22.8	24.7
50,000 to 99,999 lb	37.6	35.4	S	42.4	S	S	47.6	S	S	S
100,000 lb or more	S	S	S	21.5	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	19.0	46.8	S	14.8	24.8	42.1	S	49.0	S	S
Less than 50 lb	38.1	28.3	43.6	15.2	47.8	34.8	32.1	S	S	S
50 to 99 lb	S	30.5	43.7	33.2	S	S	42.7	S	S	S
100 to 499 lb	33.8	29.7	35.6	25.5	36.3	41.5	39.3	37.1	36.4	41.0
500 to 749 lb	32.6	43.7	37.3	S	S	48.6	S	S	S	S
750 to 999 lb	29.3	38.2	27.8	S	S	S	S	S	S	S
1,000 to 9,999 lb	23.8	36.3	27.9	37.6	36.5	S	29.4	S	47.8	46.2
10,000 to 49,999 lb	29.4	30.1	45.5	30.2	36.7	43.6	38.7	S	S	S
50,000 to 99,999 lb	S	S	S	21.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	20.2	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	3.1	6.0	7.2	3.1	9.1	11.1	3.8	9.5	10.6	5.8	13.0	12.4
Less than 50 lb	7.1	6.0	6.1	5.4	10.1	10.5	8.1	14.3	14.4	8.2	20.5	19.7
50 to 99 lb	10.3	6.5	7.2	8.8	9.2	8.9	12.6	6.9	6.7	12.4	20.3	18.6
100 to 499 lb	6.7	6.5	6.5	13.8	6.3	6.7	15.3	6.9	7.2	12.3	6.3	6.4
500 to 749 lb	23.9	5.5	5.5	13.2	5.0	5.7	25.8	7.9	8.3	12.5	11.4	11.8
750 to 999 lb	13.6	7.2	7.8	8.8	5.8	5.7	10.1	9.3	9.3	18.7	10.4	10.5
1,000 to 9,999 lb	4.8	5.9	5.9	3.9	3.7	3.9	4.4	4.4	4.3	17.5	6.0	6.1
10,000 to 49,999 lb	5.6	4.7	4.3	4.4	3.9	3.8	5.9	6.2	6.1	5.3	21.1	22.0
50,000 to 99,999 lb	9.3	8.4	9.5	28.7	14.5	13.4	38.7	24.4	24.1	S	24.1	25.1
100,000 lb or more	12.5	14.4	15.2	13.0	16.6	17.8	9.9	14.5	15.1	14.1	17.5	16.0
SCTG 01, Live animals and live fish	39.2	38.8	34.6	44.9	34.4	36.7	S	37.5	37.4	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	45.5	37.9	42.2	41.2	40.2	38.5	38.6	38.5	S	S	S
50,000 to 99,999 lb	45.1	46.0	47.9	40.9	33.2	35.8	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 02, Cereal grains	15.9	15.5	17.2	20.3	19.0	18.0	25.6	25.9	27.5	24.4	25.0	22.8
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	48.0	48.7	S	S	S	S	S	S
100 to 499 lb	S	44.1	39.6	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	33.1	32.3	47.9	35.5	35.7	S	S	S	S	S	S
10,000 to 49,999 lb	18.8	17.0	18.8	34.7	48.8	S	48.9	35.5	36.0	44.3	44.9	42.8
50,000 to 99,999 lb	16.7	18.0	22.3	26.7	26.6	26.2	S	S	S	S	S	S
100,000 lb or more	22.5	21.5	22.7	24.2	22.7	20.4	27.4	27.6	29.2	27.6	25.4	23.2
SCTG 03, Other agricultural products	36.9	30.8	31.8	24.0	34.1	44.5	29.1	35.4	35.3	17.4	19.8	20.2
Less than 50 lb	24.0	20.1	18.7	S	S	S	S	48.1	49.7	S	47.9	47.0
50 to 99 lb	S	37.1	39.9	S	S	S	S	S	S	S	S	S
100 to 499 lb	25.9	43.0	45.3	S	41.1	41.9	S	S	S	S	S	S
500 to 749 lb	35.5	40.2	41.5	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	36.5	38.9	39.4	34.2	42.0	41.8	44.6	S	S	S	S	S
10,000 to 49,999 lb	S	47.0	45.7	32.7	25.6	26.9	36.1	S	S	33.0	34.8	34.8
50,000 to 99,999 lb	29.1	29.6	31.4	30.4	33.1	29.6	48.3	50.0	48.4	S	S	S
100,000 lb or more	45.4	45.1	46.0	47.5	49.2	S	35.8	36.9	36.7	20.6	21.2	21.4
SCTG 04, Animal feed and products of animal origin, n.e.c.	12.4	12.1	12.3	12.8	14.0	13.4	14.8	16.3	17.3	17.6	13.2	13.6
Less than 50 lb	40.3	44.1	47.9	S	44.2	47.0	43.9	45.3	44.4	S	S	49.8
50 to 99 lb	S	S	S	39.2	41.3	41.8	43.8	S	S	S	42.8	41.9
100 to 499 lb	36.7	39.3	36.1	S	31.8	30.7	40.7	S	S	32.2	S	S
500 to 749 lb	30.9	33.9	32.8	S	S	S	42.1	36.3	37.3	S	S	S
750 to 999 lb	41.9	33.6	36.2	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	26.5	24.2	24.8	37.0	41.0	41.3	40.0	S	S	26.8	48.9	47.7
10,000 to 49,999 lb	17.8	19.2	19.0	16.6	14.1	13.9	18.3	24.8	26.4	22.2	18.1	17.5
50,000 to 99,999 lb	13.3	12.9	14.0	22.9	29.8	27.7	39.1	42.1	43.9	46.4	S	S
100,000 lb or more	25.2	22.5	23.7	21.8	20.3	20.7	17.7	16.4	17.3	21.8	18.8	19.3
SCTG 05, Meat, fish, seafood, and their preparations	7.9	6.6	6.8	10.2	10.9	11.2	11.4	11.8	11.8	10.5	11.0	11.0
Less than 50 lb	33.1	36.3	38.9	38.6	38.9	39.3	S	S	S	S	S	S
50 to 99 lb	41.3	34.3	33.8	S	S	S	S	S	S	49.9	S	S
100 to 499 lb	26.2	25.1	28.2	42.6	S	47.2	29.3	28.8	28.7	S	S	S
500 to 749 lb	40.0	45.4	43.1	S	S	S	S	S	S	48.2	S	49.4
750 to 999 lb	43.3	36.1	37.5	36.0	36.7	38.9	S	44.6	43.8	S	S	S
1,000 to 9,999 lb	14.9	12.2	11.8	17.1	15.4	14.4	13.4	11.4	11.2	20.6	17.5	17.7
10,000 to 49,999 lb	7.9	6.9	7.2	10.8	12.0	12.5	12.9	13.6	13.8	11.6	12.0	12.2
50,000 to 99,999 lb	43.3	40.8	37.4	S	S	49.1	46.1	S	S	S	S	S
100,000 lb or more	S	S	S	S	39.8	38.2	39.9	43.4	43.1	43.3	46.0	47.1
SCTG 06, Milled grain products and preparations, and bakery products	12.3	10.0	10.7	15.1	8.8	9.2	16.7	19.9	23.1	25.3	13.3	13.1
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	40.4	38.7	36.9	46.2	47.7	46.5	41.7	42.9	44.3	44.9	43.6	43.7
100 to 499 lb	S	41.5	43.0	40.5	44.3	43.5	30.3	32.9	32.6	45.3	S	S
500 to 749 lb	S	32.5	31.3	45.6	45.5	46.1	S	S	S	S	S	S
750 to 999 lb	39.2	33.4	33.3	39.0	46.1	38.4	S	S	S	S	S	S
1,000 to 9,999 lb	19.4	20.9	21.2	28.6	22.2	23.0	33.9	26.0	26.0	44.1	31.3	32.4
10,000 to 49,999 lb	17.5	16.4	14.7	15.2	14.8	15.8	22.3	14.8	14.8	34.5	22.4	21.4
50,000 to 99,999 lb	16.8	16.5	18.2	37.5	42.3	42.0	S	S	S	S	S	49.6
100,000 lb or more	24.5	21.3	24.0	13.5	11.7	12.5	27.4	30.7	33.5	20.1	21.4	21.1

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	9.0	9.9	9.1	11.5	11.9	11.9	11.1	12.6	12.9	16.1	12.9	13.0
Less than 50 lb	47.7	36.7	37.0	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	38.2	41.1	S	33.0	32.6	S	35.4	35.8	S	S	S
100 to 499 lb	16.6	24.6	24.8	24.0	24.8	23.4	28.3	28.5	27.9	S	47.6	45.3
500 to 749 lb	20.6	18.3	18.2	45.4	37.4	43.5	39.9	35.4	33.8	46.8	49.1	49.9
750 to 999 lb	26.6	23.1	24.7	38.2	38.0	39.6	33.4	25.1	25.4	37.5	35.9	35.9
1,000 to 9,999 lb	13.4	15.4	15.2	22.6	21.1	21.0	25.0	13.1	12.9	22.4	14.6	14.9
10,000 to 49,999 lb	10.8	13.5	12.0	15.1	17.6	17.5	14.0	12.1	11.9	20.2	11.5	11.5
50,000 to 99,999 lb	12.6	13.1	14.1	20.4	22.3	23.9	S	44.8	46.4	S	48.0	48.7
100,000 lb or more	23.1	19.3	19.3	12.7	15.2	16.2	14.1	20.0	20.0	24.4	20.3	20.0
SCTG 08, Alcoholic beverages	27.7	26.8	27.9	30.0	33.6	33.3	27.6	27.2	28.5	S	47.3	46.3
Less than 50 lb	20.6	23.2	21.3	36.4	33.1	34.0	S	S	S	S	S	S
50 to 99 lb	24.4	24.3	21.7	27.9	22.9	22.7	S	S	S	—	—	—
100 to 499 lb	25.0	26.6	24.8	23.2	23.7	24.4	S	S	S	—	—	—
500 to 749 lb	26.8	29.2	29.4	36.2	38.4	37.7	S	S	S	—	—	—
750 to 999 lb	40.7	36.3	37.3	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	27.5	35.3	35.3	S	38.6	39.3	41.8	S	S	42.4	41.0	40.3
10,000 to 49,999 lb	43.9	43.0	44.5	39.7	42.6	42.3	44.1	46.8	47.1	49.3	S	S
50,000 to 99,999 lb	35.6	35.0	35.0	S	44.7	47.2	S	S	S	—	—	—
100,000 lb or more	S	41.2	43.2	S	47.8	48.8	49.7	46.4	49.2	S	S	S
SCTG 09, Tobacco products	21.2	34.8	34.9	43.6	S	S	S	S	S	S	S	S
Less than 50 lb	30.2	15.3	15.4	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	33.0	35.1	S	S	S	S	S	S	S	S	S
100 to 499 lb	24.6	24.1	25.4	46.6	48.6	S	S	S	S	—	—	—
500 to 749 lb	44.4	47.2	44.8	S	S	S	—	—	—	—	—	—
750 to 999 lb	36.4	49.1	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	37.2	39.1	36.9	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	48.7	45.1	44.9	49.8	46.4	44.5	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	47.0	S	S	48.0	S	S
10,000 to 49,999 lb	S	S	S	49.9	46.8	46.9	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—
SCTG 11, Natural sands	36.0	42.1	37.0	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	44.5	S	44.4	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	43.8	S	49.2	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	49.2	S	S	S	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	21.8	22.9	26.1	34.4	21.9	26.1	32.0	41.5	41.4	47.8	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	45.5	47.9	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	28.5	31.2	28.9	38.6	31.8	33.7	46.3	44.0	43.0	S	S	S
50,000 to 99,999 lb	24.1	21.8	20.7	34.1	35.0	34.2	—	—	—	S	S	S
100,000 lb or more	32.3	33.5	34.1	39.6	24.1	28.4	32.6	42.2	41.9	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	35.9	25.3	25.5	32.3	25.8	26.6	31.7	26.1	25.1	17.0	21.1	21.5
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	26.8	27.8	S	S	S	S	S	S	44.2	S	S
10,000 to 49,999 lb	37.6	31.9	31.7	36.0	40.1	40.9	23.5	23.4	23.4	20.9	18.1	18.1
50,000 to 99,999 lb	S	29.4	30.4	S	28.2	26.2	S	37.6	37.6	S	S	S
100,000 lb or more	40.8	38.3	38.2	33.8	31.0	30.9	S	29.4	28.2	23.4	25.0	25.0

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	S	45.5	44.7	32.5	31.2	31.8	37.3	39.1	40.0	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	48.1	47.9	S	48.1	47.5	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	49.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	32.9	31.2	31.8	38.0	39.2	40.1	S	S	S
SCTG 15, Coal	S	S	S	S	S	S	48.0	46.7	45.7	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	49.9	49.9	49.7	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	32.8	35.5	36.1	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	46.8	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	26.8	25.9	28.0	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	45.7	44.1	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 18, Fuel oils	22.0	20.5	20.2	41.6	46.3	49.7	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	41.8	38.3	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	29.5	22.4	23.1	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	26.8	29.2	28.5	49.3	S	S	S	S	S	—	—	—
100,000 lb or more	S	48.1	47.1	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	26.2	33.7	34.9	31.4	46.7	46.4	45.5	S	S	41.0	33.1	35.9
Less than 50 lb	S	38.9	41.4	S	S	S	S	S	S	S	S	S
50 to 99 lb	45.6	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	27.2	25.3	25.1	48.1	46.2	48.2	37.5	38.0	37.4	37.4	37.3	38.5
500 to 749 lb	37.2	40.8	40.2	49.8	48.1	47.7	S	S	S	S	S	S
750 to 999 lb	42.0	42.8	44.4	47.3	41.7	43.5	S	S	S	S	47.0	47.3
1,000 to 9,999 lb	36.2	36.2	37.0	32.5	34.3	34.3	34.5	32.3	31.3	41.4	41.8	40.6
10,000 to 49,999 lb	26.9	36.9	38.3	34.9	S	S	31.8	S	S	37.6	40.1	39.4
50,000 to 99,999 lb	38.9	48.3	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	49.5	40.7	41.2	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	14.9	25.4	27.5	23.0	S	S	21.0	S	S	21.5	44.1	45.0
Less than 50 lb	S	27.7	32.7	43.6	42.7	43.8	S	43.3	47.1	49.8	S	S
50 to 99 lb	43.2	35.2	35.3	49.8	38.0	38.4	S	S	S	S	S	49.1
100 to 499 lb	23.1	36.8	29.6	27.2	25.5	26.8	41.1	S	S	S	S	S
500 to 749 lb	32.7	36.3	34.9	36.0	25.2	24.9	42.9	S	S	S	S	S
750 to 999 lb	44.8	36.6	41.7	S	36.9	37.2	38.7	48.3	S	S	S	S
1,000 to 9,999 lb	20.9	18.3	20.4	S	30.9	28.1	S	33.6	33.7	44.6	30.8	32.2
10,000 to 49,999 lb	20.7	24.3	23.9	19.6	26.2	27.9	25.4	22.4	22.6	23.9	24.3	24.4
50,000 to 99,999 lb	41.3	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	45.3	43.1	45.3	S	S	S	41.2	S	S	49.6	S	S
SCTG 21, Pharmaceutical products	17.0	13.4	14.8	13.2	25.4	25.4	17.8	19.8	19.6	18.0	S	S
Less than 50 lb	25.2	22.8	20.8	23.5	15.0	17.3	25.1	16.6	19.2	16.2	22.3	22.8
50 to 99 lb	28.2	11.7	12.1	25.2	15.7	18.2	35.0	31.8	34.5	S	44.7	45.8
100 to 499 lb	21.9	15.6	15.8	22.0	14.3	15.0	28.0	30.6	32.7	37.4	30.9	32.6
500 to 749 lb	27.7	26.8	26.2	39.8	44.8	S	S	S	S	32.0	36.7	37.4
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	34.5	35.3
1,000 to 9,999 lb	46.9	30.5	32.6	48.8	50.0	S	25.6	21.0	20.8	42.3	37.3	35.4
10,000 to 49,999 lb	48.2	48.0	S	36.2	S	S	32.2	30.2	30.0	43.8	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	14.6	11.4	11.7	18.0	16.9	15.8	18.3	17.8	18.1	31.2	34.9	36.1
Less than 50 lb	S	44.2	42.1	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	43.3	46.5	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	40.4	27.0	28.0	43.5	35.4	33.6	S	S	S	S	S	S
10,000 to 49,999 lb	22.6	17.3	16.4	42.3	35.1	34.2	46.3	48.8	46.7	42.3	39.9	40.2
50,000 to 99,999 lb	21.0	19.2	18.8	31.6	29.8	29.9	49.9	45.2	44.3	S	S	S
100,000 lb or more	20.7	21.0	25.7	22.0	22.6	21.2	20.1	20.7	21.2	40.9	41.2	42.5
SCTG 23, Chemical products and preparations, n.e.c.	18.7	11.8	13.9	15.3	15.1	18.5	15.2	17.5	17.6	19.2	19.1	19.8
Less than 50 lb	22.5	29.2	26.2	31.2	24.6	24.3	47.4	38.9	37.4	31.7	36.6	36.3
50 to 99 lb	38.2	24.8	21.6	30.9	24.6	25.3	49.4	43.1	43.6	28.3	20.2	20.4
100 to 499 lb	18.8	24.1	25.3	27.3	23.8	22.6	24.7	26.8	28.6	28.6	22.1	22.9
500 to 749 lb	18.0	21.8	22.1	22.3	31.0	33.4	33.4	28.5	30.1	S	42.8	45.8
750 to 999 lb	32.3	37.0	38.2	40.2	29.1	30.3	S	34.1	35.3	49.8	36.2	35.7
1,000 to 9,999 lb	19.7	19.6	20.7	15.1	16.4	15.6	18.8	18.0	17.9	23.8	27.7	27.7
10,000 to 49,999 lb	27.0	14.6	17.5	19.7	14.2	14.5	19.7	18.8	19.6	24.0	20.6	20.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	9.7	16.8	19.3	6.9	15.6	15.8	11.7	16.1	16.5	10.0	22.4	23.3
Less than 50 lb	15.7	12.2	12.1	16.6	21.9	21.4	25.4	15.0	14.0	29.3	S	S
50 to 99 lb	17.7	13.8	14.0	28.4	15.0	15.0	18.2	17.7	16.4	19.8	24.9	28.2
100 to 499 lb	14.0	14.9	15.5	13.8	7.4	7.4	18.8	14.7	13.9	11.3	8.1	7.5
500 to 749 lb	18.3	11.9	10.7	17.3	14.1	14.2	13.4	12.1	12.0	S	46.6	S
750 to 999 lb	21.7	18.7	18.7	27.1	19.0	17.0	38.6	14.9	14.9	40.4	20.2	20.1
1,000 to 9,999 lb	14.4	18.7	18.1	8.4	18.4	19.3	14.4	22.9	22.5	11.0	22.8	22.5
10,000 to 49,999 lb	21.8	33.5	37.1	10.6	19.9	19.9	17.9	20.1	19.7	17.5	31.3	33.7
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	45.6	43.7	44.3	S	49.5	49.0	48.5	46.6	47.3	S	S	S
SCTG 25, Logs and other wood in the rough	29.6	47.9	45.6	33.5	33.4	32.6	49.1	46.9	48.4	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	29.1	41.6	40.4	34.1	36.4	36.3	45.8	41.3	41.3	S	S	S
50,000 to 99,999 lb	40.0	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	18.2	20.1	19.2	19.3	15.7	15.5	20.5	12.4	12.3	29.0	15.9	15.7
Less than 50 lb	37.5	29.9	30.8	40.5	S	S	47.3	S	S	34.2	32.3	32.5
50 to 99 lb	24.2	20.4	21.8	41.7	45.2	47.1	31.4	31.9	30.9	37.7	42.9	43.5
100 to 499 lb	15.1	12.8	13.9	34.0	34.6	32.7	24.8	24.9	24.4	39.6	45.9	44.4
500 to 749 lb	28.8	36.1	35.8	38.5	34.5	32.6	40.2	38.3	39.3	43.7	41.2	40.3
750 to 999 lb	20.7	31.0	29.8	26.9	28.6	27.5	47.9	44.2	42.0	39.4	34.8	34.8
1,000 to 9,999 lb	20.8	20.0	20.5	24.4	23.1	22.5	19.2	20.1	20.2	27.6	26.7	27.2
10,000 to 49,999 lb	23.5	23.2	21.6	22.1	17.1	17.4	24.1	15.9	15.8	35.0	21.6	21.4
50,000 to 99,999 lb	28.8	25.2	24.6	26.6	22.2	23.9	38.6	40.5	39.7	37.7	33.7	35.7
100,000 lb or more	S	33.8	36.7	29.9	29.7	31.0	28.3	29.5	29.4	35.4	31.7	31.6
SCTG 27, Pulp, newsprint, paper, and paperboard	16.8	21.3	23.9	15.4	18.0	18.2	18.8	18.3	18.3	36.2	32.0	31.4
Less than 50 lb	37.4	32.8	28.8	43.6	27.7	26.5	48.9	46.3	48.4	47.7	45.8	45.7
50 to 99 lb	22.5	28.6	26.4	37.3	27.9	28.3	46.2	42.8	41.5	S	45.1	46.7
100 to 499 lb	17.9	14.6	15.6	48.2	37.3	36.5	35.4	35.1	35.6	S	S	S
500 to 749 lb	33.7	32.0	31.6	S	S	S	39.1	45.7	46.4	S	S	S
750 to 999 lb	S	47.5	49.6	S	46.9	45.4	S	S	S	S	S	S
1,000 to 9,999 lb	20.6	21.4	21.8	42.0	32.2	32.2	41.2	39.1	39.1	S	S	S
10,000 to 49,999 lb	24.2	26.5	28.1	21.2	20.4	20.0	18.4	14.8	14.7	27.6	26.5	26.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	42.0	36.6	36.4	33.9	31.9	31.3	S	S	S
SCTG 28, Paper or paperboard articles	13.3	13.0	13.0	15.3	11.5	11.5	25.7	20.6	20.1	20.8	40.0	40.6
Less than 50 lb	49.4	15.9	18.2	36.7	23.3	23.6	44.7	27.6	27.3	S	31.7	32.4
50 to 99 lb	23.9	20.2	19.9	33.4	22.9	23.4	38.0	35.8	37.3	S	42.5	42.7
100 to 499 lb	20.3	16.2	16.9	34.0	30.5	31.9	29.2	32.2	32.3	34.0	42.8	43.4
500 to 749 lb	19.5	18.7	18.9	35.7	28.1	30.0	S	41.6	43.6	38.1	S	S
750 to 999 lb	23.6	25.3	25.4	34.5	37.4	36.8	S	S	S	S	49.9	S
1,000 to 9,999 lb	22.7	16.9	18.7	20.6	18.9	21.8	21.3	27.2	28.0	22.7	S	S
10,000 to 49,999 lb	19.6	16.6	16.4	19.2	12.3	12.1	32.2	22.2	21.6	28.6	38.0	38.3
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	12.9	13.2	13.3	11.9	19.5	20.2	7.8	20.9	19.0	17.8	15.0	14.5
Less than 50 lb	19.0	19.6	17.8	14.0	22.1	20.4	18.3	32.5	32.9	34.3	S	S
50 to 99 lb	S	43.0	43.3	46.3	33.9	31.6	26.6	25.8	27.0	38.8	30.1	30.2
100 to 499 lb	14.8	19.2	17.9	24.6	23.6	22.2	18.9	18.5	18.5	13.3	12.4	12.6
500 to 749 lb	29.3	31.7	29.7	S	34.9	36.4	24.2	14.4	14.5	28.7	33.8	34.0
750 to 999 lb	34.4	30.1	25.0	23.4	20.0	20.1	37.5	38.5	39.4	41.1	29.5	28.9
1,000 to 9,999 lb	20.3	16.8	15.2	21.3	12.1	12.2	13.9	15.2	14.4	20.0	17.1	16.9
10,000 to 49,999 lb	27.9	21.7	22.5	18.9	23.4	25.6	20.1	30.7	28.7	32.5	15.2	14.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	42.7	33.1	30.3	26.9	32.3	33.0	24.8	36.7	35.5	16.6	28.4	28.7
Less than 50 lb	20.2	16.3	17.7	22.1	25.8	26.2	32.0	33.9	34.9	13.7	26.7	27.3
50 to 99 lb	31.8	21.7	22.0	44.0	32.7	33.4	38.0	32.7	30.8	34.0	43.8	44.0
100 to 499 lb	27.6	23.4	22.4	41.6	23.3	23.2	35.2	26.2	26.0	27.5	22.7	23.1
500 to 749 lb	26.2	31.6	33.4	S	47.1	49.9	30.0	24.8	25.8	27.6	33.3	33.4
750 to 999 lb	31.1	41.3	40.7	32.9	40.8	40.0	S	47.4	47.6	S	46.0	45.1
1,000 to 9,999 lb	S	47.9	45.0	31.7	34.9	31.7	27.4	50.0	49.4	19.1	20.5	20.5
10,000 to 49,999 lb	S	42.0	40.1	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	9.8	12.0	12.2	10.2	15.4	17.2	18.3	19.7	19.3	14.5	40.3	44.9
Less than 50 lb	35.3	28.8	26.0	42.6	S	S	30.4	32.4	33.3	43.9	S	S
50 to 99 lb	32.7	27.6	29.8	S	40.6	42.8	S	49.0	S	38.6	32.2	31.5
100 to 499 lb	21.3	14.1	14.5	33.3	24.8	26.9	S	44.5	48.3	34.0	28.1	27.5
500 to 749 lb	33.8	33.1	39.5	34.3	29.9	28.4	45.8	44.3	46.9	45.6	S	S
750 to 999 lb	37.4	39.7	36.7	41.3	25.7	22.7	S	48.5	S	S	47.9	49.0
1,000 to 9,999 lb	24.9	21.8	20.8	22.2	23.7	25.9	26.2	16.6	17.2	27.7	23.0	22.7
10,000 to 49,999 lb	12.2	14.6	14.0	14.8	10.8	11.0	15.5	12.4	12.6	19.5	44.2	49.0
50,000 to 99,999 lb	9.7	10.7	10.6	39.8	47.9	45.4	S	S	S	S	S	S
100,000 lb or more	32.5	24.8	25.7	35.4	40.4	43.1	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	9.3	11.7	12.2	10.7	10.4	10.8	14.0	20.5	21.4	17.8	S	S
Less than 50 lb	43.7	22.7	23.3	45.5	27.5	26.3	35.9	33.7	33.0	S	31.0	31.2
50 to 99 lb	41.3	35.0	35.5	25.9	24.3	27.5	40.8	41.5	37.1	49.1	24.4	24.5
100 to 499 lb	30.2	23.1	23.1	26.0	32.4	27.8	29.0	19.0	17.7	29.5	30.6	30.3
500 to 749 lb	34.9	25.3	27.0	30.3	37.5	34.0	44.4	28.4	27.7	32.7	34.5	34.7
750 to 999 lb	23.2	21.8	20.9	38.1	27.8	25.3	33.1	25.3	25.4	28.9	30.0	32.1
1,000 to 9,999 lb	22.2	28.3	23.0	22.9	20.7	19.6	14.9	16.1	16.0	43.9	34.5	34.6
10,000 to 49,999 lb	12.1	12.3	11.6	13.4	12.3	12.6	22.5	26.0	27.4	25.9	20.6	20.7
50,000 to 99,999 lb	29.8	36.2	31.9	S	37.7	40.5	S	S	S	S	S	S
100,000 lb or more	S	S	S	44.9	38.6	39.2	35.0	32.8	34.2	47.0	S	S
SCTG 33, Articles of base metal	16.5	31.4	34.6	12.4	40.4	41.3	14.5	S	S	15.1	S	S
Less than 50 lb	16.7	14.6	15.0	32.6	12.9	13.4	25.6	48.9	48.7	25.0	S	S
50 to 99 lb	17.1	17.4	17.9	28.9	19.5	18.9	S	24.0	24.3	32.3	20.1	21.6
100 to 499 lb	23.0	17.3	16.3	12.1	11.1	11.2	19.3	17.8	17.1	14.6	14.9	15.7
500 to 749 lb	27.0	24.1	23.2	S	20.9	21.2	21.2	19.3	20.4	40.2	47.5	45.2
750 to 999 lb	27.9	30.6	33.9	45.8	21.6	21.1	29.9	23.3	22.1	24.1	22.1	21.9
1,000 to 9,999 lb	28.5	32.7	38.9	16.6	17.2	17.6	14.9	19.9	21.7	12.8	16.6	17.2
10,000 to 49,999 lb	15.2	43.5	47.1	12.8	S	S	22.0	S	S	31.1	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	43.8	S	48.7	S	S	S
100,000 lb or more	—	—	—	42.5	S	S	S	S	S	S	S	S
SCTG 34, Machinery	6.7	5.8	6.7	5.1	6.8	7.2	7.3	8.5	8.4	10.4	8.0	8.1
Less than 50 lb	26.9	28.1	27.6	15.1	15.3	14.4	18.7	19.0	17.5	13.2	20.3	20.1
50 to 99 lb	33.3	34.5	33.6	28.4	13.9	14.4	26.3	16.2	16.9	35.5	19.5	19.8
100 to 499 lb	13.8	8.9	9.7	11.4	11.0	11.2	14.4	15.0	14.7	21.8	29.5	30.3
500 to 749 lb	19.5	14.5	14.8	16.0	18.2	18.4	22.6	18.8	17.9	28.5	19.8	20.6
750 to 999 lb	16.0	20.5	20.9	24.9	19.6	18.5	29.2	31.6	31.2	20.5	21.5	22.5
1,000 to 9,999 lb	12.4	11.2	11.9	14.4	15.1	15.9	9.2	11.9	12.6	24.6	9.6	9.9
10,000 to 49,999 lb	10.0	9.0	9.8	10.3	9.0	9.7	10.4	11.4	11.4	11.7	12.5	12.4
50,000 to 99,999 lb	S	46.5	47.3	S	S	S	45.8	42.6	40.5	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	17.1	12.3	13.4	13.3	13.3	13.4	12.9	8.1	8.0	24.2	9.4	9.0
Less than 50 lb	11.4	18.0	21.8	16.3	17.7	18.1	14.3	17.5	18.3	10.9	32.7	32.0
50 to 99 lb	21.8	26.8	25.4	23.6	23.0	21.8	15.3	25.0	24.0	26.1	29.4	30.5
100 to 499 lb	23.4	16.3	20.0	31.5	26.9	28.2	39.9	33.6	33.9	27.9	20.0	20.6
500 to 749 lb	S	43.4	47.4	27.0	14.5	14.8	S	29.4	31.1	30.5	17.0	17.8
750 to 999 lb	24.8	18.3	17.9	29.9	23.2	25.1	28.4	36.0	34.7	23.3	24.6	23.8
1,000 to 9,999 lb	21.8	14.9	15.2	17.6	22.2	21.9	12.6	17.4	18.6	S	16.2	16.7
10,000 to 49,999 lb	25.5	26.0	26.5	13.4	15.7	15.4	13.5	14.8	14.6	24.8	20.1	19.5
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	15.2	14.0	14.0	20.9	15.3	16.6	23.7	19.1	19.8	26.5	24.3	25.6
Less than 50 lb	19.9	20.2	20.4	25.4	22.1	20.6	37.0	43.2	43.7	31.1	35.6	35.7
50 to 99 lb	35.7	27.0	33.9	44.1	46.4	44.3	32.8	40.8	39.6	49.4	39.0	39.4
100 to 499 lb	38.9	33.3	31.5	S	35.6	33.4	24.2	22.1	22.0	21.2	20.3	20.4
500 to 749 lb	21.6	18.2	17.9	34.3	21.7	21.7	37.0	26.0	28.1	S	S	S
750 to 999 lb	32.1	22.1	23.1	33.3	30.3	32.4	38.1	48.6	49.8	S	S	S
1,000 to 9,999 lb	19.5	30.3	30.3	21.2	18.8	19.3	23.8	21.8	21.7	26.0	26.5	27.6
10,000 to 49,999 lb	19.8	14.6	14.3	23.3	15.5	16.3	31.2	18.2	19.7	22.9	16.6	17.4
50,000 to 99,999 lb	S	49.3	S	S	S	S	S	47.2	47.3	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	S	S	S
SCTG 37, Transportation equipment, n.e.c.	20.3	22.1	23.2	16.3	27.8	27.9	34.2	16.3	15.9	32.8	25.8	24.9
Less than 50 lb	31.0	36.3	37.3	48.1	38.8	39.0	S	S	S	S	S	S
50 to 99 lb	40.2	S	S	45.0	34.0	31.7	46.8	43.5	S	45.4	48.9	S
100 to 499 lb	S	S	S	44.6	26.5	30.6	S	38.1	39.4	43.5	39.2	37.5
500 to 749 lb	S	36.2	38.8	S	31.2	35.1	S	S	S	S	38.6	38.6
750 to 999 lb	47.4	44.9	48.8	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.6	24.8	23.7	28.7	25.9	25.9	32.9	33.6	33.1	48.5	40.7	40.8
10,000 to 49,999 lb	42.1	39.5	39.7	36.6	S	S	S	22.8	22.5	S	42.1	42.2
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	12.8	23.7	21.6	13.0	32.2	28.7	10.9	21.0	21.2	14.2	25.6	26.6
Less than 50 lb	15.1	26.3	26.0	18.2	17.3	18.0	17.1	31.0	29.9	21.3	38.3	36.4
50 to 99 lb	36.9	S	49.3	29.8	37.5	39.9	26.9	36.2	39.4	40.8	S	S
100 to 499 lb	31.0	31.4	30.2	26.6	23.2	32.7	25.0	46.0	48.4	43.5	27.9	26.9
500 to 749 lb	45.6	S	S	46.8	32.9	32.8	S	S	S	43.6	S	49.3
750 to 999 lb	S	S	S	43.0	30.4	29.0	S	49.2	S	S	39.2	39.1
1,000 to 9,999 lb	42.3	31.9	32.3	37.7	28.2	31.3	38.6	28.6	29.9	39.2	30.4	31.7
10,000 to 49,999 lb	S	49.8	49.4	S	S	S	39.9	30.0	30.3	40.9	49.1	45.9
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	11.3	24.6	29.6	7.3	13.5	14.8	11.5	20.9	20.3	13.0	17.5	17.6
Less than 50 lb	29.7	40.4	35.9	29.9	49.8	47.7	36.8	S	48.5	37.4	43.1	43.0
50 to 99 lb	29.7	26.6	27.0	S	S	S	23.5	21.3	21.1	S	S	S
100 to 499 lb	14.2	21.2	23.8	10.8	10.3	10.3	19.6	12.3	11.5	14.3	14.3	14.2
500 to 749 lb	16.7	16.4	16.6	13.7	15.6	15.9	22.7	19.6	19.9	14.7	18.1	17.1
750 to 999 lb	32.9	20.4	19.8	15.0	14.6	13.6	20.9	17.7	17.5	23.9	22.5	22.4
1,000 to 9,999 lb	13.9	15.8	17.3	11.2	12.0	12.7	15.7	15.2	15.0	18.5	16.6	16.7
10,000 to 49,999 lb	26.3	35.6	40.6	23.3	28.6	30.0	30.0	43.3	43.1	24.5	39.1	39.6
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products ...	17.2	12.8	12.1	8.6	14.8	14.8	15.4	13.2	13.0	10.1	27.4	26.2
Less than 50 lb	20.1	14.4	15.0	14.9	14.3	15.2	22.5	22.1	20.8	19.3	23.6	24.8
50 to 99 lb	16.2	18.8	18.0	19.8	17.9	18.7	28.3	17.8	18.6	26.0	13.7	13.9
100 to 499 lb	18.4	17.0	16.2	19.8	12.6	12.0	15.2	14.1	14.8	13.6	9.5	9.6
500 to 749 lb	S	31.0	25.7	23.4	16.5	16.0	S	33.9	33.7	29.7	24.3	24.3
750 to 999 lb	19.4	22.6	23.3	28.1	29.6	31.8	23.9	23.6	23.8	30.4	21.4	21.8
1,000 to 9,999 lb	13.2	16.5	15.9	15.0	13.6	12.6	25.0	19.1	19.0	12.2	9.9	9.8
10,000 to 49,999 lb	17.7	15.0	14.3	24.6	19.4	19.5	25.2	17.7	17.4	25.3	47.1	45.9
50,000 to 99,999 lb	15.1	45.3	41.2	30.4	28.1	26.1	24.5	26.1	24.9	49.9	40.7	41.5
100,000 lb or more	38.5	39.5	42.8	47.6	40.4	41.1	S	37.8	36.5	S	S	S
SCTG 41, Waste and scrap .	17.1	32.4	30.0	18.3	31.4	32.2	20.9	32.2	32.3	30.6	38.3	37.3
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	36.3	36.7	45.9	42.2	42.7	S	S	S	—	—	—
10,000 to 49,999 lb	25.7	31.6	31.4	22.0	30.8	28.9	19.2	25.1	23.8	44.2	S	S
50,000 to 99,999 lb	48.7	S	S	S	S	S	S	S	49.4	S	48.6	49.4
100,000 lb or more	22.7	23.0	25.2	24.2	28.5	33.1	40.9	39.3	38.4	S	33.4	33.8
SCTG 43, Mixed freight	23.8	25.3	24.2	19.6	S	S	22.4	S	S	32.3	S	S
Less than 50 lb	38.8	39.2	42.0	39.5	36.1	36.8	S	S	S	46.6	49.1	47.5
50 to 99 lb	31.1	32.1	33.3	S	S	S	S	42.7	41.9	S	42.5	42.3
100 to 499 lb	27.1	23.1	S	S	41.3	39.8	49.3	S	S	45.5	45.2	46.2
500 to 749 lb	26.5	16.4	17.1	S	38.9	38.3	43.5	40.2	39.1	S	S	S
750 to 999 lb	26.8	23.5	23.3	45.2	29.3	29.8	S	S	S	S	S	S
1,000 to 9,999 lb	20.8	24.1	25.6	28.0	33.5	35.3	38.2	38.8	38.6	S	48.7	49.2
10,000 to 49,999 lb	34.3	32.5	31.2	27.0	26.5	25.2	35.5	42.0	39.4	46.8	41.7	43.2
50,000 to 99,999 lb	42.8	43.8	48.9	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	47.8	S	S	33.8	S	S	49.0	44.1	46.0	29.7	37.4	36.4
Less than 50 lb	S	S	S	S	37.5	32.7	S	37.8	38.1	42.0	44.8	46.5
50 to 99 lb	S	S	S	S	44.2	49.8	S	S	S	S	S	S
100 to 499 lb	39.6	S	S	S	S	S	40.8	37.3	37.1	S	S	47.8
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	46.6	45.3
750 to 999 lb	S	S	S	S	S	S	42.9	S	S	S	S	S
1,000 to 9,999 lb	S	47.8	49.4	34.1	45.5	48.4	24.4	25.3	26.6	31.9	S	S
10,000 to 49,999 lb	31.4	40.7	37.0	S	S	S	42.4	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	5.3	10.2	10.9	7.1	7.3	7.2	25.0	S	S
Less than 50 lb	7.9	18.4	18.1	16.0	15.8	15.8	29.2	S	S
50 to 99 lb	13.4	13.9	15.2	26.1	19.2	19.0	S	44.1	48.1
100 to 499 lb	17.2	9.5	9.6	22.3	14.0	13.5	S	39.1	45.1
500 to 749 lb	15.8	8.6	8.7	14.6	22.5	22.2	S	S	S
750 to 999 lb	11.1	8.8	8.0	23.4	22.7	23.1	S	S	S
1,000 to 9,999 lb	14.3	10.1	10.9	14.5	14.5	14.7	48.7	39.2	48.8
10,000 to 49,999 lb	7.2	6.3	6.4	10.0	9.1	9.1	42.5	49.5	S
50,000 to 99,999 lb	36.7	27.8	29.2	S	33.7	34.2	S	S	S
100,000 lb or more	11.3	13.0	13.7	15.5	22.3	21.5	—	—	—
SCTG 01, Live animals and live fish	S	45.3	44.9	S	S	S	—	—	—
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	45.2	47.5	47.0	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	18.5	18.7	19.5	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	47.4	46.6	S	S	S	—	—	—
10,000 to 49,999 lb	46.6	34.0	35.3	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	19.1	18.8	19.6	—	—	—	—	—	—
SCTG 03, Other agricultural products	28.2	32.7	33.9	S	S	S	—	—	—
Less than 50 lb	45.6	47.3	47.6	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	38.6	S	47.7	S	S	S	—	—	—
10,000 to 49,999 lb	38.0	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	32.2	34.1	35.3	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	9.6	9.5	10.1	29.5	36.2	36.4	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	48.5	46.8	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	34.9	35.1	34.1	S	S	S	—	—	—
10,000 to 49,999 lb	12.7	13.2	14.1	35.2	35.9	35.3	S	S	S
50,000 to 99,999 lb	42.4	48.3	44.0	S	S	S	—	—	—
100,000 lb or more	17.4	16.3	16.8	S	S	S	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	16.9	16.2	16.2	17.3	21.4	22.4	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	47.6	41.8	42.1	S	S	S	—	—	—
500 to 749 lb	S	38.8	37.3	S	S	S	—	—	—
750 to 999 lb	S	S	S	49.0	48.1	48.6	—	—	—
1,000 to 9,999 lb	18.7	16.0	15.5	27.4	25.7	26.1	—	—	—
10,000 to 49,999 lb	18.6	18.2	18.3	22.2	20.9	20.8	—	—	—
50,000 to 99,999 lb	S	45.3	44.2	S	S	S	S	S	S
100,000 lb or more	39.1	39.4	39.1	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	12.8	15.7	15.5	46.4	22.4	22.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	32.3	S	46.5	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	49.9	S	S	S	—	—	—
1,000 to 9,999 lb	32.2	37.6	34.0	33.9	32.4	32.4	S	S	S
10,000 to 49,999 lb	15.0	13.6	12.7	S	35.3	34.3	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	24.2	23.1	22.9	44.7	38.5	38.7	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	7.2	14.3	15.2	17.0	23.4	23.6	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	40.5	46.6	48.0	S	S	S	S	S	S
100 to 499 lb	31.5	48.7	49.4	S	S	S	—	—	—
500 to 749 lb	28.2	28.1	28.8	S	S	S	—	—	—
750 to 999 lb	S	40.5	40.2	S	S	S	—	—	—
1,000 to 9,999 lb	22.2	16.9	18.9	39.0	35.8	36.0	S	S	S
10,000 to 49,999 lb	11.9	9.1	9.1	18.4	13.8	14.5	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	18.4	20.1	20.5	28.0	30.0	29.9	—	—	—
SCTG 08, Alcoholic beverages	32.4	39.8	41.3	44.3	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	41.6	32.8	32.0	S	S	S	—	—	—
10,000 to 49,999 lb	42.9	49.5	49.2	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 09, Tobacco products	S	49.5	S	S	S	S	—	—	—
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	49.8	41.7	43.8	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	—	42.2	44.8	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 11, Natural sands	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	17.7	25.2	25.0	S	S	S	—	—	—
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	22.4	23.8	22.9	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	25.4	27.9	27.5	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	33.9	S	S	S	S	S	—	—	—
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	45.6	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 15, Coal	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	42.9	S	S	S	S	S	—	—	—
Less than 50 lb	47.8	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	47.3	S	S	S	—	—	—
10,000 to 49,999 lb	S	45.6	43.8	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 20, Basic chemicals	23.0	44.5	43.7	33.9	38.5	38.5	S	S	S
Less than 50 lb	S	S	S	S	37.3	37.2	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	34.1	33.1	31.6	47.3	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	28.7	34.0	34.9	S	44.3	44.2	—	—	—
10,000 to 49,999 lb	26.0	43.1	43.8	38.0	47.2	46.1	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 21, Pharmaceutical products	21.3	25.8	25.8	27.1	36.8	36.5	S	49.4	48.5
Less than 50 lb	17.5	22.9	22.6	42.2	31.4	31.8	S	37.7	38.7
50 to 99 lb	47.8	25.0	25.0	S	S	S	S	S	S
100 to 499 lb	S	31.8	31.8	36.9	34.2	33.4	S	S	S
500 to 749 lb	S	39.7	39.6	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	34.4	33.3	34.4	S	S	S	—	—	—
10,000 to 49,999 lb	32.1	34.4	34.3	S	48.6	48.9	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	35.5	26.8	28.0	S	S	S	—	—	—
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	47.6	42.8	43.2	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	38.0	26.5	28.0	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	27.0	26.9	26.6	34.6	20.6	20.7	S	S	S
Less than 50 lb	22.5	17.8	17.0	34.2	40.7	41.5	S	46.1	S
50 to 99 lb	S	42.4	40.5	S	S	S	—	—	—
100 to 499 lb	29.9	48.5	S	34.1	45.1	44.0	S	S	S
500 to 749 lb	S	42.5	41.2	S	S	S	S	S	S
750 to 999 lb	30.0	42.0	42.0	S	46.7	47.4	—	—	—
1,000 to 9,999 lb	25.9	28.5	28.0	20.6	26.8	27.0	S	S	S
10,000 to 49,999 lb	35.4	30.6	30.1	37.0	21.4	21.6	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 24, Plastics and rubber	11.1	13.6	13.7	15.6	16.4	16.4	S	S	S
Less than 50 lb	20.8	18.4	18.4	25.6	22.3	21.9	S	S	S
50 to 99 lb	23.0	21.1	22.6	26.3	17.2	17.7	—	—	—
100 to 499 lb	16.0	24.4	27.0	34.7	30.8	30.3	S	S	S
500 to 749 lb	24.3	14.4	14.3	42.9	35.6	35.9	—	—	—
750 to 999 lb	49.0	39.1	38.2	S	32.4	32.4	—	—	—
1,000 to 9,999 lb	11.4	11.3	11.5	30.8	22.0	23.2	—	—	—
10,000 to 49,999 lb	20.8	19.3	19.5	21.0	34.6	33.3	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	41.9	44.5	44.6	—	—	—
SCTG 25, Logs and other wood in the rough	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 26, Wood products	17.9	46.6	46.0	20.1	18.2	19.3	S	S	S
Less than 50 lb	37.1	47.5	47.2	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	40.6	42.5	41.6	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	44.2	40.6	41.3	S	S	S	—	—	—
1,000 to 9,999 lb	25.3	25.9	25.8	30.6	40.8	41.3	—	—	—
10,000 to 49,999 lb	24.8	S	S	30.6	23.2	23.1	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	23.8	22.7	22.5	22.6	24.4	24.5	—	—	—
SCTG 27, Pulp, newsprint, paper, and paperboard	25.4	29.7	29.9	38.6	33.4	32.8	S	S	S
Less than 50 lb	45.8	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	24.0	22.5	22.3	48.8	41.2	40.2	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	40.0	38.8	38.5	S	S	S	—	—	—
SCTG 28, Paper or paperboard articles	15.0	24.9	27.8	23.9	26.7	26.9	S	S	S
Less than 50 lb	S	26.5	25.0	S	33.5	33.4	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	48.9	S	S	S	—	—	—
500 to 749 lb	S	44.1	48.0	S	S	S	—	—	—
750 to 999 lb	49.6	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	29.6	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	16.8	17.9	17.5	30.6	29.3	29.5	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	14.4	16.0	15.8	14.1	34.3	35.3	S	S	S
Less than 50 lb	19.4	30.0	31.3	24.4	S	S	S	S	S
50 to 99 lb	34.0	26.6	27.9	S	S	S	S	S	S
100 to 499 lb	37.8	23.6	22.4	30.1	26.8	26.7	S	S	S
500 to 749 lb	28.5	17.3	18.6	S	S	S	S	S	S
750 to 999 lb	34.0	30.2	31.5	S	S	S	—	—	—
1,000 to 9,999 lb	24.5	26.0	28.3	25.3	24.6	24.3	S	S	S
10,000 to 49,999 lb	21.2	23.5	23.2	26.4	35.4	35.8	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	32.7	S	S	22.1	39.5	39.5	39.7	S	S
Less than 50 lb	23.3	38.4	36.4	32.8	24.3	24.1	45.1	S	S
50 to 99 lb	S	S	S	23.8	36.3	36.6	S	S	S
100 to 499 lb	35.0	35.8	34.9	24.0	37.6	37.8	S	S	S
500 to 749 lb	43.2	27.4	28.2	31.6	36.0	35.1	—	—	—
750 to 999 lb	S	36.0	37.6	S	S	S	—	—	—
1,000 to 9,999 lb	32.6	24.7	24.8	S	43.2	43.0	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	16.9	S	S	28.7	38.2	37.7	S	S	S
Less than 50 lb	40.9	S	S	S	49.1	49.0	S	S	S
50 to 99 lb	40.7	45.7	44.8	S	S	S	—	—	—
100 to 499 lb	48.9	29.0	29.0	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	27.4	35.6	35.8	45.6	48.4	47.3	S	S	S
10,000 to 49,999 lb	22.7	S	S	42.4	S	48.5	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	44.3	S	S	S	S	S	—	—	—
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	17.1	S	S	38.7	37.4	37.6	S	S	S
Less than 50 lb	S	S	S	S	30.4	30.0	S	S	S
50 to 99 lb	30.8	22.0	22.8	S	36.9	36.9	S	S	S
100 to 499 lb	31.1	18.4	18.8	41.2	32.1	32.4	S	S	S
500 to 749 lb	24.7	23.0	24.6	S	S	S	S	S	S
750 to 999 lb	48.4	36.3	36.6	S	S	S	—	—	—
1,000 to 9,999 lb	26.2	24.3	24.1	43.8	36.2	36.2	S	S	S
10,000 to 49,999 lb	24.7	35.0	33.3	45.2	34.1	33.5	—	—	—
50,000 to 99,999 lb	S	47.6	49.8	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 33, Articles of base metal	10.2	S	S	33.0	42.2	41.7	37.8	S	S
Less than 50 lb	24.3	37.8	36.7	36.5	33.5	33.2	S	36.4	31.9
50 to 99 lb	25.5	27.2	25.4	S	38.3	38.2	S	S	S
100 to 499 lb	14.7	12.9	12.1	42.0	22.3	21.8	S	S	S
500 to 749 lb	39.8	24.5	23.0	S	42.0	41.9	S	S	S
750 to 999 lb	33.6	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	18.6	17.8	17.3	39.9	S	S	S	S	S
10,000 to 49,999 lb	21.2	S	S	32.7	S	49.4	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	43.3	44.4	45.3	S	S	S	—	—	—
SCTG 34, Machinery	10.3	10.4	10.8	23.6	25.0	25.0	47.1	S	S
Less than 50 lb	11.9	20.3	20.8	32.0	S	S	S	39.5	46.7
50 to 99 lb	19.6	17.1	16.8	S	S	S	S	S	S
100 to 499 lb	19.4	18.4	18.3	37.3	33.6	34.0	S	S	S
500 to 749 lb	28.7	20.9	22.5	47.8	33.8	33.7	S	S	S
750 to 999 lb	22.6	23.6	24.8	36.6	34.7	34.2	S	S	S
1,000 to 9,999 lb	15.7	13.3	14.1	28.0	27.4	27.2	S	S	S
10,000 to 49,999 lb	13.5	13.8	14.8	33.6	31.1	31.2	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	14.5	12.7	13.0	18.9	45.0	44.2	S	S	S
Less than 50 lb	16.2	19.8	20.0	22.9	18.9	18.7	S	40.0	41.5
50 to 99 lb	33.0	39.3	40.6	23.6	49.7	48.5	S	S	S
100 to 499 lb	38.8	31.4	31.3	25.1	48.2	46.5	S	S	S
500 to 749 lb	36.3	35.9	35.2	37.2	S	S	S	S	S
750 to 999 lb	32.7	32.2	29.9	S	S	S	—	—	—
1,000 to 9,999 lb	21.4	18.5	18.3	44.8	S	S	—	—	—
10,000 to 49,999 lb	17.6	18.5	18.5	S	24.1	24.2	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	19.5	18.9	21.0	37.4	34.6	35.3	S	S	S
Less than 50 lb	21.3	37.6	38.8	39.7	S	S	44.4	45.8	44.1
50 to 99 lb	34.8	44.8	45.0	45.7	34.4	34.3	S	S	S
100 to 499 lb	25.9	17.2	16.6	36.0	41.6	42.1	S	S	S
500 to 749 lb	44.5	37.8	38.5	47.4	47.7	47.8	—	—	—
750 to 999 lb	35.2	40.4	40.0	S	S	S	—	—	—
1,000 to 9,999 lb	47.7	49.4	S	44.7	49.6	S	S	S	S
10,000 to 49,999 lb	27.6	22.2	24.7	33.9	31.8	32.3	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	S	S	S	S	33.7	35.6	S	S	S
Less than 50 lb	34.7	48.3	48.7	48.2	S	48.0	S	S	S
50 to 99 lb	41.5	42.4	45.0	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	48.8	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	36.7	37.0	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	13.8	21.5	21.4	16.0	31.2	30.7	29.2	26.0	30.8
Less than 50 lb	17.8	37.3	35.6	22.8	S	S	34.5	33.3	40.1
50 to 99 lb	30.1	47.2	45.4	35.5	45.9	44.2	S	S	S
100 to 499 lb	26.8	36.3	39.6	36.0	S	S	S	S	S
500 to 749 lb	33.9	25.5	26.1	35.0	S	49.6	—	—	—
750 to 999 lb	49.5	32.8	36.0	S	S	S	—	—	—
1,000 to 9,999 lb	31.0	29.8	30.8	43.9	37.5	37.9	—	—	—
10,000 to 49,999 lb	27.1	26.3	26.5	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.1	21.0	21.3	19.0	31.1	30.6	S	S	S
Less than 50 lb	30.4	45.8	44.7	S	S	S	S	S	S
50 to 99 lb	46.0	49.8	S	22.9	21.6	21.4	S	S	S
100 to 499 lb	21.1	16.1	17.2	24.4	24.9	24.1	S	S	S
500 to 749 lb	24.6	21.3	22.1	39.5	44.9	44.2	S	S	S
750 to 999 lb	23.8	35.7	32.8	S	S	S	—	—	—
1,000 to 9,999 lb	13.7	17.8	18.1	24.4	29.1	29.0	S	S	S
10,000 to 49,999 lb	21.3	35.1	35.2	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	10.5	15.3	15.8	16.0	25.7	25.7	36.6	49.8	S
Less than 50 lb	18.9	26.7	26.5	21.7	25.9	25.0	S	S	S
50 to 99 lb	17.2	20.2	20.9	43.2	44.8	44.0	S	41.8	45.1
100 to 499 lb	13.2	11.5	12.4	23.2	24.6	24.8	S	S	S
500 to 749 lb	19.7	13.0	13.7	23.3	25.8	25.9	S	S	S
750 to 999 lb	24.8	37.8	36.6	36.3	31.7	32.3	S	S	S
1,000 to 9,999 lb	16.9	11.9	12.6	25.1	27.9	27.8	S	S	S
10,000 to 49,999 lb	25.8	27.9	28.3	38.9	50.0	49.1	S	S	S
50,000 to 99,999 lb	S	49.7	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 41, Waste and scrap .	36.6	31.8	31.3	S	48.6	48.3	—	—	—
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	42.3	46.2	46.0	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	40.0	29.9	30.3	S	S	S	—	—	—
SCTG 43, Mixed freight.....	38.0	S	S	S	S	S	S	S	S
Less than 50 lb	41.6	34.6	35.1	S	S	S	S	S	S
50 to 99 lb	S	47.7	48.2	S	S	S	—	—	—
100 to 499 lb	S	47.7	44.6	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	23.4	S	S	S	46.8	46.2	S	S	S
Less than 50 lb	43.4	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	44.5	S	S	S	43.2	44.2	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	33.9	43.0	44.5	S	S	S	S	S	S
10,000 to 49,999 lb	44.2	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

SAMPLE DESIGN

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

First Stage

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidiroglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty make up the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode-NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

Second Stage

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26,

1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

Third Stage

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

DATA COLLECTION

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which

the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed "unusable." (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these "unusable" shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of "usable" shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment's reporting week are both equal to one.

The quarter weight inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of

quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment's value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment's probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

Appendix D.

Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by agencies of the United States and Canadian governments based on the Harmonized System (HS) of product classification which is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In the past, Commodity Flow Survey (CFS) data have been collected and reported using product classifications found in the Standard Transportation Commodity Classification (STCC) system. These classifications were developed in the early 1960s by the American Association of Railroads (AAR) to analyze commodity movements by rail. The original purpose of the STCC was for identification of commodities for purposes of assigning rates for Interstate Commerce Commission (ICC) regulated rail carriers. The STCC continues to be used by the AAR as a tariff mechanism.

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although

it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

In 1997 the CFS provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, we instructed respondents to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment.

Additional information on the SCTG system can be found on the Internet through the BTS web page at <http://www.bts.gov>. Comments or questions on the SCTG should be directed to [http://cfs@bts.gov](mailto:cfs@bts.gov).

Appendix E.

Sample Report Forms and Instructions

The sample report forms and instructions are shown on the following pages.

Note: The CFS-2000 was sent to a subsample of establishments to obtain additional information about the use of transportation equipment and facilities.

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see *Instruction Guide* for a definition of "shipment."**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

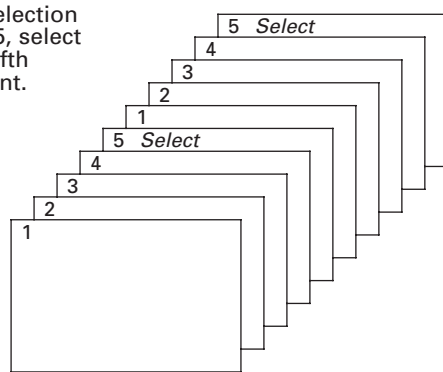
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

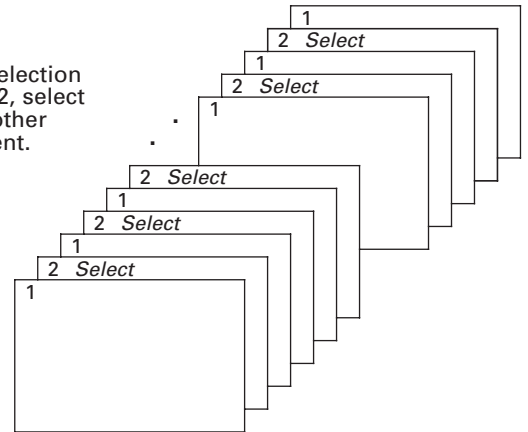
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
N	Los Angeles	CA	9 0 0 4 0	2, 4, 3	N				0
N	New York	NY	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel

6 — Deep draft vessel

7 — Pipeline

8 — Air

9 — Other mode

0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G
1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

2. Are the records for outbound shipments from this location maintained in a number of separate files (e.g., separate files for each commodity, or for each shipping site) at this location?

☐ Yes

☐ No

If yes to item G1 or item G2:
3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

Enter the total value of shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item I

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item J CERTIFICATION

Name of person to contact regarding this report — *Please print*

Telephone number — *Include area code*

Date

Signature

Title

FORM CFS-1000 (11-1-96) Page 7

E-8 APPENDIX E TRANSPORTATION-COMMODITY FLOW SURVEY

U.S. Census Bureau, 1997 Economic Census

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1
- ☐
- In operation
-
- 2
- ☐
- Temporarily or seasonally inactive
-
- 3
- ☐
- Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see Instruction Guide for a definition of "shipment."

DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.**YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

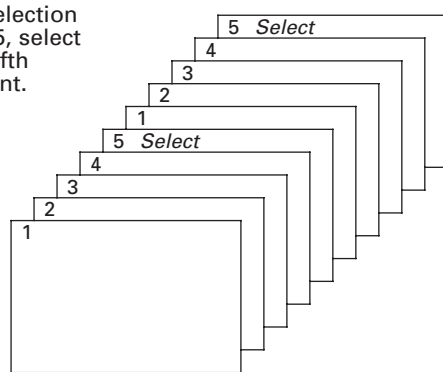
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

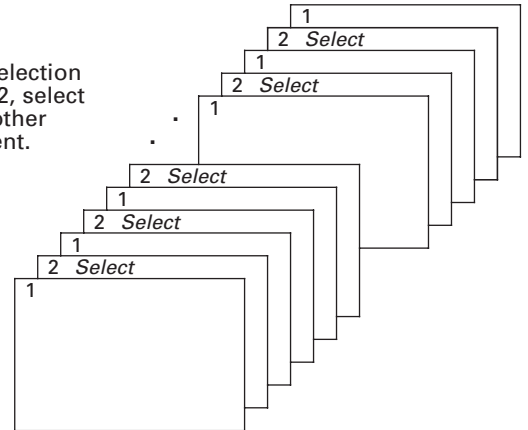
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	(j)					(m)			
(i)	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G

Enter the total dollar value of **all** shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item H

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item I
AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not this type of facility existed **on-site** during 1997. For each "Yes" in column (b), check "Yes" or "No" in column (c) to indicate whether or not you used the facility on your premises for **outbound shipments** during 1997.

Type of shipping facility (a)	Was a shipping facility of this type on your premises during 1997? (b)	Did you use this facility on your premises for outbound shipments during 1997? (c)
1. Rail siding	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
2. Dock on the Great Lakes	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
3. Dock on inland water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
4. Dock on deep sea water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
6. Pipeline terminal	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item J **USE OF OFF-SITE SHIPPING FACILITIES**

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not you used an **off-site** facility of that type for **outbound shipments** during 1997. For each "Yes", enter the miles to that off-site facility in column (c), and the mode of transport used to reach that facility in column (d). The modes are listed below.

Type of shipping facility (a)	Did you use this type of off-site facility for outbound shipments during 1997? (b)	Distance to the off-site facility of this type that you used most in 1997 (Report in miles – estimates are acceptable) (c)	Mode of transport used to reach that facility (Enter a code from the list below) (d)
1. Rail siding	1 ☐ Yes —————→ 2 ☐ No		
2. Dock on the Great Lakes	1 ☐ Yes —————→ 2 ☐ No		
3. Dock on inland water	1 ☐ Yes —————→ 2 ☐ No		
4. Dock on deep sea water	1 ☐ Yes —————→ 2 ☐ No		
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —————→ 2 ☐ No		
6. Pipeline terminal	1 ☐ Yes —————→ 2 ☐ No		

1 – Trailer on Flat Car (TOFC)
2 – Private Truck

3 – For-Hire Truck
4 – Rail

5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

During 1997, did this location use any of the following types of equipment for outbound shipments? Please check "Yes" or "No." For rail cars reported in number 1 below, enter the approximate percentage of your total outbound rail shipments that used that type of rail car. These percentages should add to 100%. If you had no rail shipments, leave the percentages blank.

Equipment (a)	Was this type of equipment used for outbound shipments during 1993? (b)	Percentage of total rail shipments (c)
1. Rail cars that:	1 ☐ Yes → 2 ☐ No	
a. Your company owned/leased		
b. A common carrier owned/leased	1 ☐ Yes → 2 ☐ No	
c. Another party owned/leased (e.g. receiver)	1 ☐ Yes → 2 ☐ No	
2. Trucks with 6 or more tires or truck-tractors that:	1 ☐ Yes 2 ☐ No	
a. Your company owned		
b. Your company leased, with driver	1 ☐ Yes 2 ☐ No	
c. Your company leased, without driver	1 ☐ Yes 2 ☐ No	
3. Truck trailers that your company owned or leased	1 ☐ Yes 2 ☐ No	
4. Aircraft that your company owned or leased	1 ☐ Yes 2 ☐ No	
5. Barges that your company owned or leased	1 ☐ Yes 2 ☐ No	
6. Other equipment that your company owned or leased – <i>Specify</i> ↗	1 ☐ Yes 2 ☐ No	

Item L TRANSPORTATION DECISIONS

During 1997, who generally decided on the mode of transportation for your outbound shipments? *Check the appropriate box.*

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

Item M CERTIFICATIONName of person to contact regarding this report – *Please print*Telephone number – *Include area code*

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

You may use estimates if book figures are not readily available.

If you have questions about completing the survey, a Census Bureau representative will be glad to assist you. You can call us at 1-800-772-7851.

Some instructions are included on the questionnaire itself. However, due to space limitations, most of the instructions and definitions are included in separate reference materials. These include this instruction guide, and a listing of commodity codes to be used for classifying individual shipments in this survey.

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

The CFS produces valuable measures of the demands on the nation's transportation system.

The results of the CFS are used by transportation policy makers to analyze future transportation needs.

Who reports in the CFS?

The CFS covers a sample of establishments in the mining, manufacturing, wholesale, and selected retail industries.

Why is my participation important?

Your establishment was selected as part of a sample designed to represent a wide range of industries and geographic regions.

Your report helps ensure quality results.

Is this survey mandatory?

Yes. The CFS is mandatory under the authority of Title 13, United States Code (USC).

Will my data be kept confidential?

Yes. The same law that requires your participation, Title 13, USC, also guarantees your data will be kept strictly confidential.

The reports you provide the Census Bureau cannot be used for purposes of taxation, regulation, or investigation.

Your report is used only to develop summary data that do not reveal the activities of individual firms or establishments.

How often must I report?

You will be sent four questionnaires in all: one during each quarter of 1997.

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

Please enter the information requested on your establishment's name, operational status, and physical location.

Item D

Enter in the space provided your total number of outbound shipments **for the one week reporting period** on the front of the questionnaire.

Please include in this count any materials picked up by the customer ("customer pick-up").

What we mean by a "shipment":

For the purposes of this survey, a shipment is a single movement of goods, commodities, products, etc. from your location to a customer or to another location of your company.

"Commodities" refer to items that your location produces, sells, or distributes, *not* to items that are considered by-products of your location's operation.

What we don't mean by a "shipment":

Do *not* include as shipments items such as inter-office memos, payroll checks, business correspondence, etc.

Do *not* include as shipments items such as refuse, scrap paper, waste, and recyclable materials **unless** your location is in the business of selling or providing these materials to others.

A special note about "shipments":

A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location.

If a truck makes multiple deliveries on a route, **please count each stop as one shipment.**

Item E: Sampling Instructions

If you reported 40 or fewer shipments in Item D, complete Item F (Shipment Characteristics) for all of your shipments covered by the one-week reporting period.

If you reported more than 40 shipments in Item D, follow the instructions in Item E in order to select a sample of shipments on which to report in Item F.

By asking you to select a sample of your shipments for the one-week reporting period, we avoid asking you for information on all your shipments, while still obtaining statistically accurate information.

Reminder: The files you are sampling from should reflect the full range of your location's shipping activities in terms of modes of transportation used, commodities shipped, and destinations.

We're here to answer your questions! If you have questions about the sampling process (or any part of the questionnaire) please call us at 1-800-772-7851.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

- **Shipment ID Number (column b)** – Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date (column c)** – Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value (column d)** – Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, f.o.b. plant). If the value is not readily available from your records, please estimate.
- **Shipment Weight (column e)** – Enter the weight of the total shipment in whole pounds. If weight is not readily available from your records, please estimate.
- **Commodity Code (column f)** – Please use the list of Standard Classification of Transported Goods (SCTG) Codes in the enclosed SCTG Manual to select the proper code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight.
- **Commodity Description (column g)** – Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.

Item F SHIPMENT CHARACTERISTICS							
Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
		Month	Day				
0	123-5	4	26	4,235	140	3 6 1 2 0	Electrical transformers
00	123-6	4	26	125,300	626,500	1 7 1 0 0	Gasoline
1							
2							
3							
4							

Mode of transport codes for columns (k) and (n) ▶

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **For Hazardous Materials (column h)** – If shipment is a hazardous material, enter the 4-digit United Nations or North American number.
- **Containerized (column i)** – Indicate whether or not the shipment was containerized by entering "Y" or "N" (yes or no). Containerized means that the shipment **left your establishment** in an intermodal container or stackable tank without permanently attached wheels. These containers typically vary from 20 to 53 feet in length, and are carried on truck chassis, trains, and ships.
- **U.S. Destination: City, State, and ZIP Code (column j)** – For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver as it appears on the shipping document. Use the **"ship to"** address. Use the two letter state abbreviation shown in Part IV.

For **export shipments**, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, it is the border crossing.
- **Mode(s) of Transport (column k)** – Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in column j). Codes are located on the bottom of pages 2, 3, 4, and 5 of the questionnaire. Enter in the sequence used, all that apply. See Part III for definitions of each mode.

For Customer Pick-up: Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

If a hazardous material, enter the "UN" or "NA" number (h)	Containerized? (Y/N) (i)	U.S. destination (j)			Mode(s) of transport to U.S. destination Enter all that apply using codes shown below. (k)
		City	State	ZIP Code	
	N	Los Angeles	CA	90040	2, 4, 3
	N	New York	NY	10454	5

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **Export Shipment (column l)** – Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" or "N" (yes or no). For purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions are considered exports.
- **Foreign Destination: City and Country (column m)** – If the shipment is an export, enter the foreign city and country of destination. **For U.S. Destination (column j),** enter the U.S. port, airport, or border crossing of exit. **In column (k),** enter the mode of transport used to the U.S. destination.
- **Export Mode (column n)** – If the shipment is an export, enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 2, 3, 4, and 5 of the questionnaire.

Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	Country		
N				0
Y	London	England	6	00
				1
				2
				3
				4
				5

Items G – I

Please enter the information requested.

Item J: Certification

Please enter the name and telephone number of the person to contact in the event that we have a question about your report.

PART III – MODE DEFINITIONS

Parcel delivery/Courier/U.S. Postal Service – Delivery services that carry letters, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.

Private truck – Trucks operated by a temporary or permanent employee of this establishment or the buyer/receiver of the shipment.

For-hire truck – Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.

Railroad – Any common carrier or private railroad.

Shallow draft vessel – Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.

Deep draft vessel – Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.

Air – Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.

Other mode – Any mode not listed above.

Unknown – The shipment was not carried by a parcel delivery/courier/U.S. Postal service, and you cannot determine what mode of transportation is used.

Note: Commodities that are "shipped" under their own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Commodities shipped under their own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other" mode.**

PART IV -- STATE ABBREVIATION LIST

State	Abbrev.	State	Abbrev.
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

NOTICE - We estimate that it will take an average of 2 hours to complete this form. This includes time to read instructions, assemble and review information, and record answers on the form. If you have any comments regarding this estimate or any other aspect of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0189, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-0001. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

South Atlantic Division

1997

Issued April 2000

EC97TCF-DIV(5)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

This report was prepared in the Service Sector Statistics Division under the direction of **Thomas E. Zabelsky**, Assistant Chief for Current Service and Transportation Programs. Planning, implementation, and compiling of this report were under the supervision of **John L. Fowler**, Chief, Commodity Flow Survey Branch, assisted by **Wanda Dougherty, Debra Corbett, Bruce Dembroski, Shirley Gray, Michael Jones, Stephanie Kelley, Mabel Ocasio, Bonnie Opalko, Joyce Price, Barbara Selinske, Eli Serrano,** and **Michael Sprung**. Sample design and statistical methodology were developed under the general direction of **Howard Hogan** and **Carl A. Konschnik**, former Assistant Chiefs, and **Ruth E. Detlefsen**, current Assistant Chief, Research and Methodology. Sample design and estimation were under the supervision of **Patrick Cantwell**, former Chief, and **Jock Black**, current Chief, Program Research and Development Branch, assisted by **William C. Davie Jr., David L. Kinyon, Jacklyn R. Jonas,** and **M. Cristina Cruz**. Frame construction, sample control, imputation, and quality control procedures were developed under the supervision of **Carol King**, Chief, Statistical Methods Branch, assisted by **James Hunt**.

The processing system and computer programs were developed and implemented by the OAO programming group, led by **Jacques Wilmore** and assisted by **Harold N. Bobbitt** and **Robert J. Jeffrey**. **Steve G. McCraith**, Chief, Quinquennial Surveys Branch, Economic Statistical Methods and Programming Division and **Joseph F. Keehan** provided general support.

Coordination of data collection efforts was under the direction of **Judith N. Petty**, Chief, National Processing Center, assisted by **Matthew Aulbach, Linda Broadus, Grant Goodwin, Carlene Bottorff, Teresa Branstetter,** and **Jack Miller**.

The staff of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, performed planning, design, composition, editorial review, and printing planning and procurement for the publications, Internet products, and report forms. **Margaret A. Smith** provided publication coordination and editing.

We also acknowledge the contributions of the following Department of Transportation (DOT) representatives in the overall planning and design of the survey: **Rolf Schmitt**, Associate Director for Transportation Studies, Bureau of Transportation Statistics, assisted by **Susan Lapham, Russ Capelle, Ronald J. Duych,** and **Felix Ammah-Tagoe**.

The Oak Ridge National Laboratory's Center for Transportation Analysis, under the former and current direction of **Mike Bronzini** and **David Greene**, respectively, provided all mileage data for this report, using its transportation network modeling system, under the supervision of **Frank Southworth** and assisted by **Shih-Miao Chin, Bruce Peterson, Jane Rollow,** and **Angela Gibson**.

Special acknowledgment is also due to the many businesses whose cooperation was essential to the publication of these data.

1997 Economic Census
Transportation
1997 Commodity Flow Survey



**U.S. Department of
Transportation**
Rodney E. Slater,
Secretary
Mortimer L. Downey,
Deputy Secretary

**BUREAU OF TRANSPORTATION
STATISTICS**
Dr. Ashish Sen,
Director
Rick Kowalewski,
Deputy Director
Rolf R. Schmitt,
Associate Director for
Transportation Studies



U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

**Economics
and Statistics
Administration**
Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



**BUREAU OF TRANSPORTATION
STATISTICS**

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

CONTENTS

Introduction to the Economic Census	1
1997 Commodity Flow Survey	3

TABLES

1a. Shipment Characteristics by Mode of Transportation for the Division: 1997	9
1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993	9
1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993.....	10
2. Shipment Characteristics by Total Modal Activity for the Division: 1997	10
3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997.....	11
4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997	14
5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997	17
6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997	18
7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997	21
8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997.....	36
9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997	42
10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997 ...	48

APPENDIXES

A. Comparability With the 1993 Commodity Flow Survey	A-1
B. Reliability of the Estimates	B-1
C. Sample Design, Data Collection, and Estimation.....	C-1
D. Standard Classification of Transported Goods Code Information	D-1
E. Sample Report Forms and Instructions	E-1

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are

published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

1997 Commodity Flow Survey

GENERAL

The 1997 Commodity Flow Survey (CFS) is undertaken through a partnership between the Bureau of the Census, U.S. Department of Commerce, and the Bureau of Transportation Statistics, U.S. Department of Transportation. This survey produces data on the movement of goods in the United States. It provides information on commodities shipped, their value, weight, and mode of transportation, as well as the origin and destination of shipments of manufacturing, mining, wholesale, and selected retail establishments. The CFS was last conducted in 1993. See the Comparability With the 1993 Commodity Flow Survey table (Appendix A) for a comparison between the 1997 and 1993 surveys. The data from the CFS are used by public policy analysts and for transportation planning and decision-making to assess the demand for transportation facilities and services, energy use, and safety risk and environmental concerns.

This report presents data for the four Census Regions and nine Census Divisions. Additional reports include data for the United States, states, and selected metropolitan areas, as well as selected data on exports and hazardous material shipments.

INDUSTRY COVERAGE

The 1997 CFS covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey coverage excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail.

The industries covered, as defined in the 1987 Standard Industrial Classification Manual (SIC), are listed in the following table:

SIC code	Title
10, ex. 108	Metal mining (excluding metal mining services)
12, ex. 124	Coal mining (excluding coal mining services)
13	Oil and gas extraction ¹
14, ex. 148	Mining and quarrying of nonmetallic minerals, except fuels (excluding nonmetallic minerals services)
20	Food and kindred products
21	Tobacco products
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27, ex. 279	Printing, publishing, and allied industries (excluding service industries for the printing trade)
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastics products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, except machinery and transportation equipment
35	Industrial and commercial machinery and computer equipment
36	Electronic and other electrical equipment and components, except computer equipment
37	Transportation equipment
38	Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39	Miscellaneous manufacturing industries
50	Wholesale trade—durable goods
51	Wholesale trade—nondurable goods
596	Catalog and mail-order houses

¹We included establishments classified in SIC 13, Oil and Gas Extraction, in the initial coverage of the 1997 CFS. However, because of unresolved industry-wide reporting issues, we have removed shipments from these establishments from our 1997 CFS tabulations. The data collected from these establishments will be used as input to a special report at a later date.

Similarly, because establishments in SIC 13 are responsible for the overwhelming number of shipments classified in SCTG 16, Crude Petroleum, we have removed all shipments with SCTG 16 from the 1997 CFS publication results.

SHIPMENT COVERAGE

The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. The data do not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Shipments traversing the U.S. from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to a U.S. location. Imported products are included in the CFS at the point that they left the importer's domestic location for shipment to another location. Shipments that are shipped through a foreign territory with both the origin and destination in the U.S. are included in the CFS data. The mileages calculated for these shipments exclude the international segments (e.g., shipments from New York to Michigan through Canada do not include any mileages for Canada). Export shipments are included, with the domestic destination defined as the port of exit from the U.S.

The "Industry Coverage" section of the text lists the SIC groups covered by the CFS. Other industry areas that are not covered, but may have significant shipping activity, include agriculture, government, and retail (other than warehouses and SIC 5961, Catalog and Mail-Order Houses). For agriculture specifically, this means that the CFS did not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward.

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported

multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

The ORNL multimodal network database is composed of individual modal-specific networks representing each of the major transportation modes—highway, rail, waterway, air, and pipeline. The links of these specific modal networks are the representation of line-haul transportation facilities. The nodes represent intersections and interchanges, and the access points to the transportation network. To simulate local access, test links are created from each five-digit ZIP Code centroid to nearby nodes on the network. For the truck network, local access is assumed to exist everywhere. For the other modes this is not true. Before any test links are created for these modes, a search procedure is used to determine if and where such networks are most likely to provide access to the ZIP Code. For shipments involving more than one mode, such as truck-rail or rail-water shipments, intermodal transfer links are added to the network database for the purpose of connecting the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at ORNL to identify likely transfer points for different classes of freight. A measure of link impedance was calculated for each access, line-haul, and intermodal transfer link traversed by a shipment. These impedances were mode specific and are based on various link characteristics. For example, the set of link characteristics for the highway network included speed impacting factors, such as the presence of divided or undivided roadway, the degree of access control, rural or urban setting, type of pavement, number of lanes, degree of urban congestion, and length of the link. Link impedance measures are also assigned to the local access links. Intermodal transfer link impedances are estimated in terms of the time it takes to move goods through such a transfer. In the case of rail and air freight, intercarrier transfer penalties are also considered in order to obtain proper route selections. A minimum path algorithm is used to find the minimum impedance path between a shipment's origin ZIP Code centroid and destination ZIP Code centroid. The cumulative length of the local access plus line-haul links on this path provides the estimated shipment distance. When rail was involved these shipment distances may be averaged over more than one path between an origin-destination pair.

Mileage Data for Pipeline Shipments

In the tables, we do not show ton-miles or average miles per shipment for pipeline shipments. For most of these shipments, the respondents reported the shipment

destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network, and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment.

DISCLOSURE RULES

In accordance with Federal law governing Census Bureau reports, no data are published that would disclose the operations of an individual firm or establishment.

EXPLANATION OF TERMS

Average miles per shipment. For the 1993 CFS, we excluded shipments of STCC 27, Printed Matter, from our calculation of average miles per shipment. We made this decision after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term “shipment.”

For the 1997 CFS, we made numerous efforts throughout our data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, we have included printed products in the average miles per shipment calculations for the 1997 CFS.

Commodity. Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment’s operation. Respondents reported the description and the five-digit SCTG code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.

Distance shipped. In some tables, shipment data are presented for various “distance shipped” intervals. Shipments were categorized into these “distance shipped” intervals based on the great circle distance between their origin and destination ZIP Code centroids. All other distance-related data in this and other tables (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories. (See the “Mileage Calculations” section for more details.)

Great circle distance. The shortest distance between two points on the earth’s surface.

Mode of transportation. The type of transportation used for moving the shipment to its domestic destination. For exports, the domestic destination was the port of exit.

Mode Definitions

In the instructions to the respondent, we defined the possible modes as follows:

1. **Parcel delivery/courier/U.S. Postal Service.** Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
2. **Private truck.** Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
3. **For-hire truck.** Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
4. **Railroad.** Any common carrier or private railroad.
5. **Shallow draft vessels.** Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
6. **Deep draft vessel.** Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.
7. **Pipeline.** Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper’s establishment. Aqueducts for the movement of water are not included.
8. **Air.** Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.
9. **Other mode.** Any mode not listed above.
10. **Unknown.** The shipment was not carried by a parcel delivery/courier/U.S. Postal Service, and the respondent could not determine what mode of transportation was used.

In the tables, we have used additional terms for mode, which we define as follows:

1. **Air (includes truck and air).** Shipments that used air or a combination of truck and air.
2. **Single modes.** Shipments using only one of the above-listed modes, except parcel or other and unknown.
3. **Multiple modes.** Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used:
 - Private truck
 - For-hire truck
 - Rail
 - Shallow draft vessel
 - Deep draft vessel
 - Pipeline

We did not allow for multiple modes in combination with “parcel, U.S. Postal Service or courier,” “unknown,” or “other.” By their nature, these shipments may already include various kinds of multiple-mode activity. For example, if the respondent reported a shipment’s mode of transportation as parcel and air, we treated the shipment as parcel only.

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.
5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as “Other” or “Unknown.”
6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.
7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as “Other multiple modes.”
8. **Great Lakes.** In the tables in this publication, “Great Lakes” appears as a single mode. ORNL’s transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the “Mileage Calculations” section for more details).

Other Definitions and Terms

Shipment. A shipment (or delivery) is an individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.

Standard Classification of Transported Goods

(SCTG). The commodities shown in this report are classified using the SCTG coding system. The SCTG coding system was developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States

exclude any mileages through Canada (see the “Mileage Calculations” section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

Tons shipped. The total weight of the entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.

Total modal activity. The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)

Value of shipments. The dollar value of the entire shipment. This was defined as the net selling value, f.o.b. plant, exclusive of freight charges and excise taxes. The value data are displayed in millions of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables for this publication:

D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey.
lb	Pounds.
n.e.c.	Not elsewhere classified.
NA	Not applicable.
n.o.s.	Not otherwise specified.

OTHER TRANSPORTATION DATA

Users of transportation data may be especially interested in the following reports:

Economic Census: Transportation Sector covers establishments that provide passenger and freight transportation to the general public, government, or other businesses.

Published data include kind of business, geographic location, total operating revenue, annual and first quarter payroll, and number of employees for pay period including March 12.

Vehicle Inventory and Use Survey covers state and U.S. level statistics on the physical and operational characteristics of the Nation's truck, van, minivan, and sport utility vehicle population. Some of the types of data collected include number of vehicles, major use, body type, annual miles, model year, vehicle size, fuel type, operator classification, engine size, range of operation, weeks operated, products carried, and hazardous materials carried. This survey shows comparative statistics reflecting percent changes in number of vehicles between 1997 and 1992 for most characteristics.

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected

include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

All results of the 1997 Economic Census are available on the Census Bureau Internet site <http://www.census.gov> and on compact discs (CD-ROM).

For more information on any Census Bureau product, including a description of electronic and printed reports being issued, see the website or call Customer Services at 301-457-4100.

Table 1a. Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	1 074 991	100.0	1 810 297	100.0	320 689	100.0	421
Single modes	930 147	86.5	1 757 640	97.1	296 167	92.4	176
Truck ¹	867 622	80.7	1 401 686	77.4	165 895	51.7	147
For-hire truck	479 756	44.6	614 386	33.9	114 067	35.6	471
Private truck	379 382	35.3	758 595	41.9	49 627	15.5	61
Rail	35 848	3.3	307 569	17.0	119 423	37.2	558
Water	2 519	.2	30 988	1.7	10 018	3.1	1 333
Shallow draft	1 580	.1	27 588	1.5	8 159	2.5	257
Great Lakes	—	—	—	—	—	—	—
Deep draft	939	—	S	S	S	S	3 328
Air (includes truck and air)	21 939	2.0	531	—	613	.2	1 092
Pipeline ²	S	S	16 866	.9	S	S	S
Multiple modes	111 936	10.4	22 766	1.3	16 903	5.3	791
Parcel, U.S. Postal Service or courier	105 353	9.8	2 930	.2	1 900	.6	790
Truck and rail	4 860	.5	5 195	.3	5 329	1.7	1 188
Truck and water	1 040	.1	3 551	.2	2 409	.8	4 158
Rail and water	278	—	9 311	.5	5 444	1.7	499
Other multiple modes	405	—	1 779	.1	1 821	.6	S
Other and unknown modes	32 907	3.1	29 892	1.7	7 619	2.4	84

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	1 074 991	942 126	14.1	1 810 297	1 603 933	12.9	320 689	310 586	3.3	421	404	4.1
Single modes	930 147	827 861	12.4	1 757 640	1 504 093	16.9	296 167	273 499	8.3	176	157	11.6
Truck ¹	867 622	775 719	11.8	1 401 686	1 136 470	23.3	165 895	141 496	17.2	147	136	8.3
For-hire truck	479 756	430 446	11.5	614 386	482 796	27.3	114 067	94 542	20.7	471	411	14.7
Private truck	379 382	340 737	11.3	758 595	648 740	16.9	49 627	46 380	7.0	61	52	17.3
Rail	35 848	31 781	12.8	307 569	289 676	6.2	119 423	106 183	12.5	558	624	-10.5
Water	2 519	5 551	-54.6	30 988	73 850	-58.0	10 018	25 454	-60.6	1 333	504	164.4
Shallow draft	1 580	2 903	-45.6	27 588	52 778	-47.7	8 159	12 634	-35.4	257	370	-30.7
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	939	2 648	-64.5	S	S	S	S	S	S	3 328	1 380	141.1
Air (includes truck and air)	21 939	14 175	54.8	531	251	111.1	613	307	99.3	1 092	1 206	-9.4
Pipeline ²	S	S	S	16 866	3 846	338.5	S	S	S	S	S	S
Multiple modes	111 936	87 352	28.1	22 766	36 743	-38.0	16 903	24 268	-30.3	791	805	-1.8
Parcel, U.S. Postal Service or courier	105 353	76 261	38.1	2 930	2 804	4.5	1 900	1 849	2.8	790	805	-1.8
Truck and rail	4 860	9 528	-49.0	5 195	6 492	-20.0	5 329	3 875	37.5	1 188	1 156	2.8
Truck and water	1 040	572	82.0	3 551	9 227	-61.5	2 409	5 160	-53.3	4 158	1 577	163.7
Rail and water	278	637	-56.4	9 311	15 979	-41.7	5 444	10 906	-50.1	499	750	-33.5
Other multiple modes	405	S	S	1 779	2 242	-20.6	1 821	2 479	-26.5	S	S	S
Other and unknown modes ...	32 907	26 913	22.3	29 892	63 096	-52.6	7 619	12 819	-40.6	84	162	-48.0

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	86.5	87.9	97.1	93.8	92.4	88.1
Truck ¹	80.7	82.3	77.4	70.9	51.7	45.6
For-hire truck	44.6	45.7	33.9	30.1	35.6	30.4
Private truck	35.3	36.2	41.9	40.4	15.5	14.9
Rail	3.3	3.4	17.0	18.1	37.2	34.2
Water	.2	.6	1.7	4.6	3.1	8.2
Shallow draft	.1	.3	1.5	3.3	2.5	4.1
Great Lakes	—	—	—	—	—	—
Deep draft	—	.3	S	S	S	S
Air (includes truck and air)	2.0	1.5	—	—	.2	.1
Pipeline ²	S	S	.9	.2	S	S
Multiple modes	10.4	9.3	1.3	2.3	5.3	7.8
Parcel, U.S. Postal Service or courier	9.8	8.1	.2	.2	.6	.6
Truck and rail	.5	1.0	.3	.4	1.7	1.2
Truck and water	.1	—	.2	.6	.8	1.7
Rail and water	—	—	.5	1.0	1.7	3.5
Other multiple modes	—	S	.1	.1	.6	.8
Other and unknown modes	3.1	2.9	1.7	3.9	2.4	4.1

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 2. Shipment Characteristics by Total Modal Activity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	320 689	100.0	414
Truck	166 252	51.8	146
Rail	126 803	39.5	642
Shallow draft	12 189	3.8	263
Great Lakes	S	S	510
Deep draft	4 716	1.5	4 268
Air	560	.2	1 011
Parcel, U.S. Postal Service or courier	1 900	.6	790
Pipeline	S	S	S
Other and unknown modes	7 638	2.4	84

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹Data represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving by truck only plus ton-miles for truck segments only of multiple mode shipments.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	1 074 991	100.0	1 810 297	100.0	320 689	100.0
Less than 50 miles	328 492	30.6	1 048 486	57.9	22 887	7.1
50 to 99 miles	103 185	9.6	210 595	11.6	19 335	6.0
100 to 249 miles	191 386	17.8	254 719	14.1	60 469	18.9
250 to 499 miles	173 276	16.1	186 147	10.3	91 086	28.4
500 to 749 miles	122 455	11.4	56 510	3.1	46 866	14.6
750 to 999 miles	56 123	5.2	26 952	1.5	30 039	9.4
1,000 to 1,499 miles	44 803	4.2	16 713	.9	23 971	7.5
1,500 to 1,999 miles	17 103	1.6	3 186	.2	6 841	2.1
2,000 miles or more	38 168	3.6	6 990	.4	19 195	6.0
Single modes	930 147	100.0	1 757 640	100.0	296 167	100.0
Less than 50 miles	297 274	32.0	1 032 614	58.8	22 586	7.6
50 to 99 miles	94 523	10.2	207 615	11.8	18 982	6.4
100 to 249 miles	171 979	18.5	239 920	13.7	56 250	19.0
250 to 499 miles	151 465	16.3	179 414	10.2	87 799	29.6
500 to 749 miles	101 403	10.9	51 402	2.9	41 456	14.0
750 to 999 miles	42 190	4.5	23 327	1.3	26 008	8.8
1,000 to 1,499 miles	31 429	3.4	14 774	.8	21 573	7.3
1,500 to 1,999 miles	12 833	1.4	2 838	.2	6 006	2.0
2,000 miles or more	27 051	2.9	5 735	.3	15 507	5.2
Truck¹	867 622	100.0	1 401 686	100.0	165 895	100.0
Less than 50 miles	290 932	33.5	930 918	66.4	19 017	11.5
50 to 99 miles	92 462	10.7	180 917	12.9	15 951	9.6
100 to 249 miles	159 896	18.4	151 533	10.8	29 432	17.7
250 to 499 miles	138 462	16.0	72 726	5.2	32 276	19.5
500 to 749 miles	89 825	10.4	35 240	2.5	26 040	15.7
750 to 999 miles	36 546	4.2	15 759	1.1	16 523	10.0
1,000 to 1,499 miles	25 706	3.0	8 099	.6	10 870	6.6
1,500 to 1,999 miles	11 383	1.3	2 155	.2	4 443	2.7
2,000 miles or more	22 410	2.6	4 339	.3	11 344	6.8
For-hire truck	479 756	100.0	614 386	100.0	114 067	100.0
Less than 50 miles	75 342	15.7	323 508	52.7	7 312	6.4
50 to 99 miles	40 062	8.4	96 479	15.7	8 464	7.4
100 to 249 miles	91 221	19.0	86 100	14.0	17 214	15.1
250 to 499 miles	112 070	23.4	55 189	9.0	24 599	21.6
500 to 749 miles	77 038	16.1	29 225	4.8	21 736	19.1
750 to 999 miles	32 631	6.8	11 739	1.9	12 123	10.6
1,000 to 1,499 miles	21 979	4.6	6 503	1.1	8 787	7.7
1,500 to 1,999 miles	9 959	2.1	1 733	.3	3 590	3.1
2,000 miles or more	19 455	4.1	3 909	.6	10 241	9.0
Private truck	379 382	100.0	758 595	100.0	49 627	100.0
Less than 50 miles	213 101	56.2	585 783	77.2	11 231	22.6
50 to 99 miles	51 706	13.6	81 799	10.8	7 219	14.5
100 to 249 miles	66 926	17.6	62 204	8.2	11 633	23.4
250 to 499 miles	25 032	6.6	16 939	2.2	7 406	14.9
500 to 749 miles	11 565	3.0	5 618	.7	4 014	8.1
750 to 999 miles	3 565	.9	3 931	.5	4 308	8.7
1,000 to 1,499 miles	3 461	.9	1 522	.2	1 987	4.0
1,500 to 1,999 miles	1 369	.4	415	—	839	1.7
2,000 miles or more	2 658	.7	385	—	990	2.0
Rail	35 848	100.0	307 569	100.0	119 423	100.0
Less than 50 miles	3 364	9.4	74 838	24.3	2 908	2.4
50 to 99 miles	1 108	3.1	19 136	6.2	2 463	2.1
100 to 249 miles	6 287	17.5	80 727	26.2	24 688	20.7
250 to 499 miles	9 549	26.6	104 435	34.0	53 327	44.7
500 to 749 miles	8 076	22.5	12 943	4.2	11 608	9.7
750 to 999 miles	3 373	9.4	7 000	2.3	8 506	7.1
1,000 to 1,499 miles	1 843	5.1	6 493	2.1	10 418	8.7
1,500 to 1,999 miles	225	.6	646	.2	1 466	1.2
2,000 miles or more	2 022	5.6	1 351	.4	4 038	3.4
Water	2 519	100.0	30 988	100.0	10 018	100.0
Less than 50 miles	1 041	41.3	11 037	35.6	549	5.5
50 to 99 miles	399	15.8	7 543	24.3	565	5.6
100 to 249 miles	203	8.1	6 570	21.2	2 010	20.1
250 to 499 miles	123	4.9	2 130	6.9	2 133	21.3
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Shallow draft	1 580	100.0	27 588	100.0	8 159	100.0
Less than 50 miles	696	44.0	9 764	35.4	535	6.6
50 to 99 miles	307	19.4	7 478	27.1	558	6.8
100 to 249 miles	170	10.8	6 382	23.1	1 962	24.0
250 to 499 miles	93	5.9	2 081	7.5	2 118	26.0
500 to 749 miles	67	4.3	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	939	100.0	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	21 939	100.0	531	100.0	613	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	544	2.5	17	3.2	3	.5
100 to 249 miles	5 320	24.2	48	9.0	14	2.2
250 to 499 miles	3 330	15.2	122	23.1	63	10.3
500 to 749 miles	3 055	13.9	78	14.7	75	12.2
750 to 999 miles	2 101	9.6	30	5.7	35	5.7
1,000 to 1,499 miles	3 763	17.2	S	S	S	S
1,500 to 1,999 miles	1 220	5.6	27	5.1	50	8.1
2,000 miles or more	2 607	11.9	44	8.4	124	20.2
Pipeline²	S	S	16 866	100.0	S	S
Less than 50 miles	S	S	15 821	93.8	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	1 042	6.2	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	—	—	—	—	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	—	—	—	—	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	111 936	100.0	22 766	100.0	16 903	100.0
Less than 50 miles	15 085	13.5	2 010	8.8	52	.3
50 to 99 miles	6 869	6.1	631	2.8	S	S
100 to 249 miles	15 420	13.8	7 726	33.9	2 825	16.7
250 to 499 miles	18 203	16.3	4 170	18.3	2 170	12.8
500 to 749 miles	18 628	16.6	3 583	15.7	4 324	25.6
750 to 999 miles	12 270	11.0	1 925	8.5	2 209	13.1
1,000 to 1,499 miles	11 722	10.5	1 577	6.9	1 932	11.4
1,500 to 1,999 miles	3 819	3.4	289	1.3	710	4.2
2,000 miles or more	9 920	8.9	854	3.8	2 576	15.2
Parcel, U.S. Postal Service or courier	105 353	100.0	2 930	100.0	1 900	100.0
Less than 50 miles	14 682	13.9	430	14.7	12	.6
50 to 99 miles	6 755	6.4	256	8.7	24	1.3
100 to 249 miles	15 036	14.3	533	18.2	113	6.0
250 to 499 miles	17 107	16.2	546	18.7	246	12.9
500 to 749 miles	17 302	16.4	440	15.0	329	17.3
750 to 999 miles	11 506	10.9	281	9.6	293	15.4
1,000 to 1,499 miles	11 132	10.6	202	6.9	277	14.6
1,500 to 1,999 miles	3 258	3.1	81	2.8	170	8.9
2,000 miles or more	8 576	8.1	160	5.5	437	23.0
Truck and rail	4 860	100.0	5 195	100.0	5 329	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	65	1.3	S	S	S	S
100 to 249 miles	173	3.6	1 149	22.1	326	6.1
250 to 499 miles	753	15.5	939	18.1	431	8.1
500 to 749 miles	1 255	25.8	673	12.9	577	10.8
750 to 999 miles	609	12.5	545	10.5	643	12.1
1,000 to 1,499 miles	220	4.5	S	S	S	S
1,500 to 1,999 miles	562	11.6	208	4.0	540	10.1
2,000 miles or more	1 163	23.9	683	13.2	2 063	38.7
Truck and water	1 040	100.0	3 551	100.0	2 409	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	46	4.4	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	17	1.7	229	6.5	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	102	9.8	8	.2	59	2.5

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	278	100.0	9 311	100.0	5 444	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	164	59.0	5 284	56.8	2 054	37.7
250 to 499 miles	49	17.8	1 973	21.2	1 159	21.3
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	405	100.0	1 779	100.0	1 821	100.0
Less than 50 miles	281	69.5	725	40.7	16	.9
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	26	6.4	1 019	57.3	1 787	98.1
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	32 907	100.0	29 892	100.0	7 619	100.0
Less than 50 miles	16 133	49.0	13 862	46.4	249	3.3
50 to 99 miles	1 793	5.4	2 348	7.9	249	3.3
100 to 249 miles	3 987	12.1	7 073	23.7	1 394	18.3
250 to 499 miles	3 609	11.0	2 563	8.6	1 117	14.7
500 to 749 miles	2 424	7.4	1 524	5.1	1 086	14.3
750 to 999 miles	1 663	5.1	1 700	5.7	1 822	23.9
1,000 to 1,499 miles	1 652	5.0	362	1.2	466	6.1
1,500 to 1,999 miles	450	1.4	59	.2	125	1.6
2,000 miles or more	1 197	3.6	401	1.3	1 112	14.6

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	1 074 991	100.0	1 810 297	100.0	320 689	100.0	421
Less than 50 lb	108 425	10.1	2 856	.2	1 137	.4	546
50 to 99 lb	33 900	3.2	2 238	.1	569	.2	255
100 to 499 lb	100 625	9.4	14 048	.8	2 787	.9	202
500 to 749 lb	30 678	2.9	6 548	.4	1 336	.4	204
750 to 999 lb	21 176	2.0	5 491	.3	1 094	.3	199
1,000 to 9,999 lb	254 492	23.7	87 832	4.9	17 397	5.4	193
10,000 to 49,999 lb	426 057	39.6	824 853	45.6	119 628	37.3	148
50,000 to 99,999 lb	51 773	4.8	383 928	21.2	27 553	8.6	71
100,000 lb or more	47 865	4.5	482 504	26.7	149 189	46.5	387
Single modes	930 147	100.0	1 757 640	100.0	296 167	100.0	176
Less than 50 lb	34 178	3.7	1 396	—	215	—	191
50 to 99 lb	17 716	1.9	1 597	—	229	—	142
100 to 499 lb	79 222	8.5	12 430	.7	2 199	.7	170
500 to 749 lb	27 988	3.0	6 234	.4	1 244	.4	200
750 to 999 lb	19 771	2.1	5 311	.3	1 045	.4	196
1,000 to 9,999 lb	242 345	26.1	84 761	4.8	16 458	5.6	191
10,000 to 49,999 lb	413 129	44.4	815 128	46.4	114 000	38.5	142
50,000 to 99,999 lb	50 681	5.4	380 019	21.6	26 623	9.0	70
100,000 lb or more	45 118	4.9	450 764	25.6	134 155	45.3	379
Truck¹	867 622	100.0	1 401 686	100.0	165 895	100.0	147
Less than 50 lb	26 840	3.1	1 356	.1	171	.1	132
50 to 99 lb	15 668	1.8	1 578	.1	207	.1	129
100 to 499 lb	74 313	8.6	12 350	.9	2 107	1.3	163
500 to 749 lb	27 224	3.1	6 211	.4	1 212	.7	195
750 to 999 lb	19 354	2.2	5 298	.4	1 028	.6	193
1,000 to 9,999 lb	236 900	27.3	84 620	6.0	16 287	9.8	188
10,000 to 49,999 lb	405 655	46.8	813 133	58.0	112 097	67.6	141
50,000 to 99,999 lb	47 895	5.5	377 805	27.0	25 442	15.3	68
100,000 lb or more	13 772	1.6	99 334	7.1	7 344	4.4	100
For-hire truck	479 756	100.0	614 386	100.0	114 067	100.0	471
Less than 50 lb	7 559	1.6	197	—	112	.1	539
50 to 99 lb	4 465	.9	245	—	134	.1	548
100 to 499 lb	33 655	7.0	2 521	.4	1 537	1.3	596
500 to 749 lb	14 447	3.0	1 453	.2	903	.8	617
750 to 999 lb	10 565	2.2	1 211	.2	751	.7	620
1,000 to 9,999 lb	132 388	27.6	22 334	3.6	11 177	9.8	532
10,000 to 49,999 lb	246 196	51.3	356 432	58.0	79 998	70.1	243
50,000 to 99,999 lb	22 632	4.7	178 474	29.0	14 227	12.5	80
100,000 lb or more	7 850	1.6	51 518	8.4	5 227	4.6	157
Private truck	379 382	100.0	758 595	100.0	49 627	100.0	61
Less than 50 lb	18 832	5.0	1 146	.2	57	.1	60
50 to 99 lb	10 990	2.9	1 327	.2	70	.1	53
100 to 499 lb	39 975	10.5	9 735	1.3	545	1.1	55
500 to 749 lb	12 406	3.3	4 688	.6	291	.6	62
750 to 999 lb	8 611	2.3	4 020	.5	265	.5	65
1,000 to 9,999 lb	102 649	27.1	61 047	8.0	4 905	9.9	77
10,000 to 49,999 lb	155 822	41.1	437 844	57.7	30 592	61.6	71
50,000 to 99,999 lb	24 912	6.6	196 636	25.9	11 025	22.2	56
100,000 lb or more	5 185	1.4	42 152	5.6	1 876	3.8	53
Rail	35 848	100.0	307 569	100.0	119 423	100.0	558
Less than 50 lb	14	—	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	684
100 to 499 lb	23	—	3	—	4	—	1 231
500 to 749 lb	S	S	S	S	S	S	931
750 to 999 lb	S	S	S	S	S	S	1 328
1,000 to 9,999 lb	S	S	32	—	45	—	1 614
10,000 to 49,999 lb	5 808	16.2	1 769	.6	1 774	1.5	996
50,000 to 99,999 lb	S	S	1 974	.6	1 122	.9	572
100,000 lb or more	27 102	75.6	303 789	98.8	116 476	97.5	516
Water	2 519	100.0	30 988	100.0	10 018	100.0	1 333
Less than 50 lb	S	S	—	—	S	S	201
50 to 99 lb	S	S	S	S	S	S	5 083
100 to 499 lb	S	S	S	S	S	S	27
500 to 749 lb	S	S	S	S	S	S	45
750 to 999 lb	S	S	S	S	S	S	37
1,000 to 9,999 lb	87	3.5	5	—	S	S	204
10,000 to 49,999 lb	307	12.2	126	.4	S	S	333
50,000 to 99,999 lb	S	S	S	S	S	S	52
100,000 lb or more	2 053	81.5	30 719	99.1	9 959	99.4	407
Shallow draft	1 580	100.0	27 588	100.0	8 159	100.0	257
Less than 50 lb	S	S	S	S	S	S	187
50 to 99 lb	S	S	S	S	S	S	3
100 to 499 lb	S	S	S	S	S	S	7
500 to 749 lb	S	S	S	S	S	S	7
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	55	3.5	S	S	S	S	97
10,000 to 49,999 lb	160	10.1	113	.4	S	S	367
50,000 to 99,999 lb	S	S	S	S	S	S	52
100,000 lb or more	1 320	83.5	27 336	99.1	8 103	99.3	373

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	939	100.0	S	S	S	S	3 328
Less than 50 lb	S	S	S	S	S	S	293
50 to 99 lb	S	S	S	S	S	S	5 099
100 to 499 lb	S	S	S	S	S	S	35
500 to 749 lb	S	S	S	S	S	S	71
750 to 999 lb	S	S	S	S	S	S	37
1,000 to 9,999 lb	S	S	S	S	S	S	272
10,000 to 49,999 lb	S	S	S	S	S	S	67
50,000 to 99,999 lb	S	S	S	S	S	S	—
100,000 lb or more	S	S	S	S	S	S	751
Air (includes truck and air)	21 939	100.0	531	100.0	613	100.0	1 092
Less than 50 lb	7 312	33.3	38	7.2	44	7.1	1 083
50 to 99 lb	2 026	9.2	17	3.1	20	3.3	1 217
100 to 499 lb	4 882	22.3	76	14.3	88	14.3	1 124
500 to 749 lb	754	3.4	22	4.2	31	5.1	1 382
750 to 999 lb	409	1.9	11	2.1	17	2.7	1 471
1,000 to 9,999 lb	5 156	23.5	102	19.2	124	20.3	1 211
10,000 to 49,999 lb	S	S	80	15.0	79	12.9	961
50,000 to 99,999 lb	S	S	S	S	S	S	643
100,000 lb or more	S	S	S	S	S	S	1 501
Pipeline²	S	S	16 866	100.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	2	—	S	S	S
10,000 to 49,999 lb	16	.7	19	.1	S	S	S
50,000 to 99,999 lb	11	.5	S	S	S	S	S
100,000 lb or more	S	S	16 816	99.7	S	S	S
Multiple modes	111 936	100.0	22 766	100.0	16 903	100.0	791
Less than 50 lb	69 573	62.2	1 297	5.7	910	5.4	803
50 to 99 lb	14 716	13.1	522	2.3	331	2.0	627
100 to 499 lb	17 982	16.1	899	3.9	551	3.3	622
500 to 749 lb	1 918	1.7	135	.6	73	.4	527
750 to 999 lb	833	.7	62	.3	36	.2	584
1,000 to 9,999 lb	S	S	126	.6	130	.8	939
10,000 to 49,999 lb	3 469	3.1	2 045	9.0	3 000	17.7	1 466
50,000 to 99,999 lb	326	.3	1 058	4.6	292	1.7	S
100,000 lb or more	1 659	1.5	16 620	73.0	11 581	68.5	836
Parcel, U.S. Postal Service or courier	105 353	100.0	2 930	100.0	1 900	100.0	790
Less than 50 lb	69 568	66.0	1 297	44.3	910	47.9	803
50 to 99 lb	14 715	14.0	522	17.8	331	17.4	628
100 to 499 lb	17 966	17.1	896	30.6	543	28.6	615
500 to 749 lb	1 896	1.8	135	4.6	70	3.7	509
750 to 999 lb	825	.8	61	2.1	35	1.9	571
1,000 to 9,999 lb	383	.4	18	.6	S	S	644
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	4 860	100.0	5 195	100.0	5 329	100.0	1 188
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	80
100 to 499 lb	S	.1	S	S	S	S	615
500 to 749 lb	S	S	S	S	S	S	2 665
750 to 999 lb	S	S	S	S	S	S	1 780
1,000 to 9,999 lb	S	S	S	S	S	S	949
10,000 to 49,999 lb	3 227	66.4	1 923	37.0	2 929	55.0	1 536
50,000 to 99,999 lb	51	1.0	357	6.9	273	5.1	741
100,000 lb or more	508	10.4	2 813	54.1	S	S	856
Truck and water	1 040	100.0	3 551	100.0	2 409	100.0	4 158
Less than 50 lb	S	S	S	S	S	S	5 035
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	5 656
500 to 749 lb	S	S	S	S	S	S	7 451
750 to 999 lb	S	S	S	S	S	S	7 014
1,000 to 9,999 lb	28	2.7	S	S	24	1.0	3 656
10,000 to 49,999 lb	153	14.7	84	2.4	53	2.2	S
50,000 to 99,999 lb	S	S	S	S	S	S	223
100,000 lb or more	843	81.0	3 450	97.2	2 322	96.4	716

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	278	100.0	9 311	100.0	5 444	100.0	499
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	412
10,000 to 49,999 lb	S	S	S	S	S	S	7 000
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	277	99.6	9 310	100.0	5 443	100.0	407
Other multiple modes	405	100.0	1 779	100.0	1 821	100.0	S
Less than 50 lb	S	S	S	S	S	S	53
50 to 99 lb	S	S	S	S	S	S	133
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	74
1,000 to 9,999 lb	S	S	S	S	S	S	138
10,000 to 49,999 lb	S	S	S	S	S	S	412
50,000 to 99,999 lb	275	67.9	693	38.9	17	9	25
100,000 lb or more	32	7.9	1 047	58.8	1 787	98.2	1 722
Other and unknown modes	32 907	100.0	29 892	100.0	7 619	100.0	84
Less than 50 lb	4 675	14.2	162	.5	11	.2	75
50 to 99 lb	1 468	4.5	118	.4	9	.1	77
100 to 499 lb	3 421	10.4	720	2.4	37	.5	58
500 to 749 lb	772	2.3	179	.6	19	.3	105
750 to 999 lb	573	1.7	118	.4	13	.2	109
1,000 to 9,999 lb	10 687	32.5	2 944	9.9	810	10.6	231
10,000 to 49,999 lb	9 458	28.7	7 680	25.7	2 628	34.5	360
50,000 to 99,999 lb	766	2.3	2 850	9.5	638	8.4	215
100,000 lb or more	1 088	3.3	15 120	50.6	3 454	45.3	269

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	1 074 991	100.0	1 810 297	100.0	320 689	100.0	421
01	Live animals and live fish	664	—	S	S	192	—	445
02	Cereal grains	1 739	.2	11 957	.7	S	S	118
03	Other agricultural products	14 751	1.4	18 154	1.0	5 353	1.7	288
04	Animal feed and products of animal origin, n.e.c.	7 577	.7	29 312	1.6	3 190	1.0	66
05	Meat, fish, seafood, and their preparations	27 745	2.6	13 895	.8	5 070	1.6	157
06	Milled grain products and preparations, and bakery products	12 315	1.1	9 102	.5	2 580	.8	90
07	Other prepared foodstuffs and fats and oils	45 435	4.2	60 353	3.3	13 373	4.2	82
08	Alcoholic beverages	14 271	1.3	13 031	.7	1 846	.6	31
09	Tobacco products	29 222	2.7	2 579	.1	661	.2	698
10	Monumental or building stone	403	—	4 490	.2	241	—	134
11	Natural sands	801	—	74 591	4.1	3 807	1.2	45
12	Gravel and crushed stone	2 446	.2	370 160	20.4	18 104	5.6	41
13	Nonmetallic minerals n.e.c.	3 087	.3	46 734	2.6	13 492	4.2	219
14	Metallic ores and concentrates	594	—	1 243	—	444	.1	327
15	Coal	6 680	.6	250 260	13.8	82 486	25.7	S
17	Gasoline and aviation turbine fuel	29 314	2.7	119 799	6.6	7 421	2.3	55
18	Fuel oils	10 516	1.0	53 124	2.9	2 972	.9	33
19	Coal and petroleum products, n.e.c.	5 358	.5	27 834	1.5	4 175	1.3	63
20	Basic chemicals	18 098	1.7	23 748	1.3	8 568	2.7	247
21	Pharmaceutical products	46 708	4.3	3 412	.2	2 408	.8	821
22	Fertilizers	7 029	.7	70 170	3.9	12 166	3.8	94
23	Chemical products and preparations, n.e.c.	29 746	2.8	17 415	1.0	7 482	2.3	375
24	Plastics and rubber	44 831	4.2	17 355	1.0	8 217	2.6	287
25	Logs and other wood in the rough	2 835	.3	118 542	6.5	6 808	2.1	56
26	Wood products	24 018	2.2	80 147	4.4	14 305	4.5	252
27	Pulp, newsprint, paper, and paperboard	19 455	1.8	28 986	1.6	15 689	4.9	160
28	Paper or paperboard articles	16 529	1.5	13 513	.7	4 723	1.5	207
29	Printed products	30 993	2.9	13 829	.8	2 435	.8	573
30	Textiles, leather, and articles of textiles or leather	136 751	12.7	23 745	1.3	11 462	3.6	828
31	Nonmetallic mineral products	18 460	1.7	153 398	8.5	13 791	4.3	244
32	Base metal in primary or semifinished forms and in finished basic shapes	26 700	2.5	31 097	1.7	9 063	2.8	194
33	Articles of base metal	27 155	2.5	11 205	.6	4 072	1.3	306
34	Machinery	56 387	5.2	5 458	.3	2 904	.9	265
35	Electronic and other electrical equipment and components and office equipment	112 407	10.5	5 964	.3	3 456	1.1	493
36	Motorized and other vehicles (including parts)	67 636	6.3	9 550	.5	4 659	1.5	246
37	Transportation equipment, n.e.c.	15 188	1.4	921	—	625	.2	858
38	Precision instruments and apparatus	21 224	2.0	764	—	524	.2	713
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	19 458	1.8	4 115	.2	2 130	.7	533
40	Miscellaneous manufactured products	53 033	4.9	20 925	1.2	5 686	1.8	729
41	Waste and scrap	3 831	.4	19 692	1.1	5 438	1.7	181
43	Mixed freight	58 371	5.4	25 455	1.4	3 007	.9	161
--	Commodity unknown	5 234	.5	3 274	.2	756	.2	333

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	1 074 991	100.0	1 810 297	100.0	320 689	100.0	421
010	Live animals and live fish	664	—	S	S	192	—	445
021	Wheat	303	—	2 413	.1	567	.2	101
022	Corn, except sweet	690	—	5 977	.3	534	.2	118
029	Other cereal grains	S	S	S	S	S	S	127
031	Fresh or chilled potatoes (Irish potatoes), except sweet	505	—	612	—	S	S	62
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	3 461	.3	4 624	.3	1 818	.6	85
033	Fresh, chilled, or dried edible fruit and nuts	2 225	.2	3 736	.2	834	.3	582
034	Soya beans	1 044	.1	4 054	.2	S	S	73
035	Oil seeds and nuts, except olives and soya beans	1 743	.2	2 196	.1	1 029	.3	249
036	Bulbs, live plants, and seeds for sowing, n.e.c.	696	—	364	—	88	—	318
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	5 078	.5	2 569	.1	504	.2	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	1 747	.2	7 016	.4	1 168	.4	168
042	Animal feed preparations	5 831	.5	22 297	1.2	2 023	.6	51
051	Meat including poultry, except preparations	22 315	2.1	12 324	.7	4 231	1.3	104
052	Fish, except live, and seafood, except preparations	4 346	.4	817	—	355	.1	178
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	943
061	Wheat flour, groats, and meal	783	—	2 360	.1	307	.1	113
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	371	—	525	—	107	—	77
063	Food preparations of cereals, flour, starch, or milk	2 236	.2	1 446	—	453	.1	127
064	Bakery products	8 925	.8	4 770	.3	1 712	.5	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	6 297	.6	7 880	.4	1 136	.4	45
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	9 398	.9	7 030	.4	3 209	1.0	241
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	3 030	.3	998	—	443	.1	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	2 216	.2	3 572	.2	799	.2	58
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	3 972	.4	8 250	.5	3 778	1.2	189
076	Confectionery, cocoa, and cocoa preparations	1 682	.2	590	—	277	—	284
077	Edible preparations, n.e.c. and vinegar	6 311	.6	3 233	.2	1 044	.3	309
078	Nonalcoholic beverages, n.e.c. and ice	12 530	1.2	28 801	1.6	2 686	.8	34
081	Malt Beer	9 892	.9	11 597	.6	1 732	.5	26
082	Wine and other fermented beverages	1 826	.2	651	—	24	—	38
083	Spirituos beverages and ethyl alcohol	2 552	.2	783	—	S	S	50
090	Tobacco products	29 222	2.7	2 579	.1	661	.2	698
100	Monumental or building stone, except dolomite	403	—	4 490	.2	241	—	134
110	Natural sands, except metal-bearing	801	—	74 591	4.1	3 807	1.2	45
120	Gravel and crushed stone, except dolomite and slate	2 446	.2	370 160	20.4	18 104	5.6	41
131	Salt	S	S	S	S	S	S	90
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	321	—	13 046	.7	1 631	.5	S
133	Dolomite	S	S	4 581	.3	S	S	S
139	Other nonmetallic minerals	2 312	.2	27 951	1.5	11 454	3.6	287
141	Iron ores and concentrates	S	S	S	S	S	S	S
149	Other metallic ores and concentrates	557	—	769	—	418	.1	364
151	Nonagglomerated bituminous coal	6 637	.6	249 035	13.8	81 995	25.6	S
159	Other coal	S	S	S	S	S	S	S
171	Gasoline	29 110	2.7	118 863	6.6	7 361	2.3	56
172	Aviation turbine fuel (types A and B)	204	—	936	—	S	S	28
180	Fuel oils	10 516	1.0	53 124	2.9	2 972	.9	33
191	Lubricating oils and greases	2 342	.2	2 503	.1	548	.2	89
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	614	—	1 694	—	66	—	42
193	Gaseous hydrocarbons	529	—	1 204	—	52	—	S
199	Other products of petroleum refining, and coal products	1 873	.2	22 432	1.2	3 508	1.1	71
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	455	—	2 080	.1	450	.1	158
202	Inorganic chemicals, n.e.c.	6 483	.6	12 996	.7	3 718	1.2	100
203	Cyclic hydrocarbons	166	—	190	—	S	S	185
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	2 343	.2	2 900	.2	1 038	.3	258
205	Organic chemicals, n.e.c.	8 651	.8	5 583	.3	3 310	1.0	596
210	Pharmaceutical products	46 708	4.3	3 412	.2	2 408	.8	821
220	Fertilizers and fertilizer materials	7 029	.7	70 170	3.9	12 166	3.8	94
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	6 228	.6	3 180	.2	1 020	.3	91
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	6 195	.6	901	—	624	.2	765
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	6 219	.6	6 375	.4	2 892	.9	291
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	2 043	.2	242	—	94	—	174
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	3 597	.3	1 561	—	422	.1	149
239	Other chemical products and preparations	5 465	.5	5 155	.3	2 430	.8	271
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	7 902	.7	4 843	.3	2 783	.9	367
242	Manmade fibers and plastics basic shapes and articles	25 946	2.4	9 753	.5	4 275	1.3	341

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	10 984	1.0	2 758	.2	1 160	.4	165
250	Logs and other wood in the rough	2 835	.3	118 542	6.5	6 808	2.1	56
261	Wood chips or particles	706	—	34 613	1.9	2 828	.9	65
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	12 652	1.2	28 805	1.6	6 461	2.0	250
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	5 548	.5	11 079	.6	4 168	1.3	262
264	Builders' joinery and carpentry of wood, except shingles and shakes	3 367	.3	1 459	—	230	—	131
269	Other wood products	1 745	.2	4 192	.2	619	.2	523
271	Pulp of fibrous cellulosic materials	1 429	.1	2 830	.2	1 571	.5	S
272	Newsprint in large rolls or sheets	1 005	—	1 419	—	S	S	S
273	Uncoated paper and paperboard in large rolls or sheets	10 309	1.0	17 034	.9	9 627	3.0	102
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	6 712	.6	7 703	.4	4 018	1.3	333
280	Paper or paperboard articles	16 529	1.5	13 513	.7	4 723	1.5	207
291	Printed books, brochures, leaflets, and similar printed products	9 659	.9	1 521	—	733	.2	833
292	Newspapers, journals, and periodicals	11 356	1.1	9 356	.5	457	.1	162
293	Advertising material, commercial or trade catalogues, and similar printed products	4 602	.4	2 003	.1	910	.3	747
299	Other printed products	5 377	.5	948	—	336	.1	533
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	45 091	4.2	12 300	.7	4 981	1.6	631
302	Textile clothing and accessories, and headgear, except safety	47 559	4.4	1 811	.1	905	.3	910
303	Textiles and textile articles, n.e.c.	39 334	3.7	9 387	.5	5 446	1.7	707
304	Footwear	S	S	168	—	84	—	869
305	Leather and articles, luggage of related materials, and dressed furskins and articles	1 379	.1	79	—	47	—	860
311	Hydraulic cements	1 172	.1	17 889	1.0	1 695	.5	83
312	Ceramic products	2 583	.2	3 949	.2	1 220	.4	651
313	Glass and glass products	5 430	.5	4 110	.2	1 821	.6	328
319	Other nonmetallic mineral products	9 275	.9	127 451	7.0	9 055	2.8	61
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	2 357	.2	S	S	1 352	.4	164
322	Flat-rolled products of iron or steel	6 505	.6	9 388	.5	2 314	.7	124
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	6 167	.6	11 553	.6	3 479	1.1	192
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	11 670	1.1	4 487	.2	1 919	.6	240
331	Pipes, tubes, and fittings	6 410	.6	3 079	.2	1 164	.4	182
332	Structures and parts, except prefabricated buildings	5 838	.5	3 803	.2	1 286	.4	242
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	8 584	.8	1 631	—	540	.2	372
339	Other articles of metal	6 323	.6	2 693	.1	1 082	.3	264
341	Internal-combustion piston engines	6 289	.6	478	—	275	—	165
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	6 286	.6	161	—	125	—	365
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	6 655	.6	639	—	363	.1	322
344	Air-conditioning, refrigerating, or freezing equipment	5 218	.5	760	—	475	.1	168
345	Materials-handling, excavating, boring, and related machinery and equipment	6 762	.6	1 148	—	463	.1	240
349	Other machinery	25 176	2.3	2 271	.1	1 204	.4	309
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	4 312	.4	465	—	337	.1	318
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	1 799	.2	S	S	S	S	267
353	Line telephone or telegraph apparatus	8 206	.8	111	—	68	—	642
354	Electronic entertainment products, except parts	4 229	.4	205	—	77	—	701
355	Computer and office equipment	34 764	3.2	495	—	255	—	673
356	Prepared unrecorded or prerecorded media	5 772	.5	238	—	138	—	950
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	8 640	.8	S	S	S	S	987
358	Electronic components and parts	12 880	1.2	342	—	281	—	1 011
359	Other electronic and electrical equipment	31 806	3.0	3 441	.2	2 024	.6	225
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	24 019	2.2	2 659	.1	1 167	.4	506
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	7 001	.7	883	—	597	.2	644
363	Other vehicles	7 934	.7	2 017	.1	931	.3	503
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	28 682	2.7	3 991	.2	1 964	.6	210
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	1 646	.2	660	—	441	.1	713
372	Aircraft and spacecraft	10 629	1.0	54	—	47	—	1 065
373	Ships, boats, and floating structures	2 913	.3	207	—	137	—	421
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	4 866	.5	94	—	90	—	705
382	Photographic and photocopying machines	3 158	.3	109	—	39	—	635
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	764	—	S	S	S	S	885
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	8 063	.8	436	—	322	.1	856
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	4 372	.4	78	—	60	—	417

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	19 458	1.8	4 115	.2	2 130	.7	533
401	Arms and ammunition	1 366	.1	27	—	24	—	871
402	Toys, games, and sporting equipment	S	S	S	S	189	—	875
409	Miscellaneous manufactured products	43 934	4.1	20 231	1.1	5 472	1.7	717
411	Metallic waste and scrap	2 923	.3	10 701	.6	2 559	.8	120
412	Nonmetallic waste and scrap, except from food processing	908	—	8 991	.5	2 879	.9	264
439	Mixed freight	58 371	5.4	25 455	1.4	3 007	.9	161
—	Commodity unknown	5 234	.5	3 274	.2	756	.2	333

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 160, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	1 074 991	100.0	1 810 297	100.0	320 689	100.0	421
Single modes	930 147	86.5	1 757 640	97.1	296 167	92.4	176
Truck ¹	867 622	80.7	1 401 686	77.4	165 895	51.7	147
For-hire truck	479 756	44.6	614 386	33.9	114 067	35.6	471
Private truck	379 382	35.3	758 595	41.9	49 627	15.5	61
Rail	35 848	3.3	307 569	17.0	119 423	37.2	558
Water	2 519	.2	30 988	1.7	10 018	3.1	1 333
Shallow draft	1 580	.1	27 588	1.5	8 159	2.5	257
Great Lakes	—	—	—	—	—	—	—
Deep draft	939	—	S	S	S	S	3 328
Air (includes truck and air)	21 939	2.0	531	—	613	.2	1 092
Pipeline ²	S	S	16 866	.9	S	S	S
Multiple modes	111 936	10.4	22 766	1.3	16 903	5.3	791
Parcel, U.S. Postal Service or courier	105 353	9.8	2 930	.2	1 900	.6	790
Truck and rail	4 860	.5	5 195	.3	5 329	1.7	1 188
Truck and water	1 040	.1	3 551	.2	2 409	.8	4 158
Rail and water	278	—	9 311	.5	5 444	1.7	499
Other multiple modes	405	—	1 779	.1	1 821	.6	S
Other and unknown modes	32 907	3.1	29 892	1.7	7 619	2.4	84
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	664	100.0	S	S	192	100.0	445
Single modes	657	99.1	S	S	190	99.1	386
Truck ¹	655	98.6	S	S	190	99.0	S
For-hire truck	158	23.8	122	12.3	91	47.5	792
Private truck	S	S	S	S	S	S	104
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 336
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	794
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	794
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	1 269
SCTG 02, CEREAL GRAINS							
Total	1 739	100.0	11 957	100.0	S	S	118
Single modes	1 581	90.9	10 645	89.0	S	S	88
Truck ¹	760	43.7	6 101	51.0	507	10.3	61
For-hire truck	283	16.3	2 461	20.6	195	4.0	88
Private truck	422	24.3	3 176	26.6	274	5.6	52
Rail	S	S	2 485	20.8	S	S	724
Water	S	S	S	S	S	S	848
Shallow draft	S	S	S	S	S	S	130
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 009
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	677
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	687
Truck and rail	S	S	S	S	S	S	94
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	13

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	14 751	100.0	18 154	100.0	5 353	100.0	288
Single modes	14 040	95.2	17 140	94.4	4 452	83.2	105
Truck ¹	13 519	91.6	16 162	89.0	3 989	74.5	101
For-hire truck	6 668	45.2	6 657	36.7	2 865	53.5	766
Private truck	6 699	45.4	9 189	50.6	993	18.6	36
Rail	453	3.1	823	4.5	432	8.1	537
Water	S	S	S	S	S	S	137
Shallow draft	S	S	S	S	S	S	72
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	167
Air (includes truck and air)	20	.1	4	—	8	.1	1 746
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	193	1.3	112	.6	199	3.7	1 155
Parcel, U.S. Postal Service or courier	174	1.2	40	.2	S	S	1 155
Truck and rail	S	S	S	S	S	S	2 330
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	518	3.5	S	S	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	7 577	100.0	29 312	100.0	3 190	100.0	66
Single modes	7 417	97.9	28 714	98.0	3 108	97.4	62
Truck ¹	7 215	95.2	27 710	94.5	2 589	81.2	59
For-hire truck	2 151	28.4	6 762	23.1	1 463	45.9	198
Private truck	5 039	66.5	20 813	71.0	1 118	35.1	41
Rail	196	2.6	1 000	3.4	519	16.3	528
Water	S	S	S	S	S	S	4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	4
Air (includes truck and air)	S	S	S	S	S	S	1 526
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	507
Parcel, U.S. Postal Service or courier	3	—	1	—	1	—	533
Truck and rail	S	S	S	S	S	S	294
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	120	1.6	S	S	S	S	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	27 745	100.0	13 895	100.0	5 070	100.0	157
Single modes	26 963	97.2	13 539	97.4	4 974	98.1	130
Truck ¹	26 656	96.1	13 504	97.2	4 939	97.4	114
For-hire truck	10 994	39.6	6 076	43.7	3 351	66.1	548
Private truck	15 153	54.6	7 166	51.6	1 435	28.3	72
Rail	S	S	S	S	S	S	909
Water	S	S	S	S	S	S	92
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	92
Air (includes truck and air)	S	S	S	S	S	S	1 659
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 426
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 433
Truck and rail	S	S	S	S	S	S	497
Truck and water	S	S	S	S	S	S	91
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	652	2.4	323	2.3	80	1.6	156

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	12 315	100.0	9 102	100.0	2 580	100.0	90
Single modes	12 185	98.9	9 042	99.3	2 546	98.7	84
Truck ¹	12 182	98.9	9 027	99.2	2 536	98.3	82
For-hire truck	4 975	40.4	3 967	43.6	1 779	69.0	307
Private truck	7 162	58.2	5 035	55.3	745	28.9	70
Rail	S	S	S	S	S	S	636
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 637
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	61	.5	28	.3	S	S	637
Parcel, U.S. Postal Service or courier	18	.1	3	—	1	—	635
Truck and rail	44	.4	25	.3	S	S	725
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	9	.3	242
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	45 435	100.0	60 353	100.0	13 373	100.0	82
Single modes	43 941	96.7	57 771	95.7	11 557	86.4	52
Truck ¹	42 705	94.0	55 087	91.3	9 831	73.5	52
For-hire truck	15 442	34.0	17 043	28.2	5 975	44.7	393
Private truck	26 338	58.0	37 088	61.5	3 746	28.0	39
Rail	1 234	2.7	2 684	4.4	1 726	12.9	667
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1	—	S	S	S	S	812
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 041	2.3	2 010	3.3	1 695	12.7	783
Parcel, U.S. Postal Service or courier	181	.4	34	—	27	.2	784
Truck and rail	S	S	S	S	S	S	671
Truck and water	777	1.7	1 899	3.1	S	S	445
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	454	1.0	572	.9	121	.9	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	14 271	100.0	13 031	100.0	1 846	100.0	31
Single modes	14 113	98.9	12 898	99.0	1 809	98.0	31
Truck ¹	13 976	97.9	12 717	97.6	1 751	94.8	31
For-hire truck	2 264	15.9	3 115	23.9	822	44.5	S
Private truck	11 712	82.1	9 602	73.7	929	50.3	29
Rail	S	S	S	S	S	S	330
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 534
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	281
Truck and water	S	S	S	S	S	S	40
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	115	.8	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	29 222	100.0	2 579	100.0	661	100.0	698
Single modes	28 535	97.6	2 529	98.1	615	93.0	124
Truck ¹	28 532	97.6	2 528	98.0	615	93.0	124
For-hire truck	18 627	63.7	729	28.2	559	84.5	883
Private truck	9 905	33.9	S	S	56	8.5	42
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	161
Shallow draft	S	S	S	S	S	S	161
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 489
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	497	1.7	15	.6	S	S	1 438
Parcel, U.S. Postal Service or courier	272	.9	8	.3	8	1.2	1 437
Truck and rail	S	S	S	S	S	S	3 245
Truck and water	S	S	S	S	S	S	6 990
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	5 846
Other and unknown modes	190	.7	35	1.4	5	.8	93
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	403	100.0	4 490	100.0	241	100.0	134
Single modes	399	99.0	4 475	99.7	234	97.1	122
Truck ¹	399	99.0	4 475	99.7	234	97.1	122
For-hire truck	162	40.2	577	12.8	158	65.3	319
Private truck	225	55.8	2 247	50.0	68	28.2	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	393
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	393
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	3	.9	14	.3	S	S	S
SCTG 11, NATURAL SANDS							
Total	801	100.0	74 591	100.0	3 807	100.0	45
Single modes	790	98.6	74 267	99.6	3 799	99.8	45
Truck ¹	704	87.9	71 999	96.5	3 165	83.1	43
For-hire truck	340	42.5	45 633	61.2	2 319	60.9	59
Private truck	362	45.2	25 692	34.4	805	21.1	27
Rail	85	10.6	2 267	3.0	633	16.6	260
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	831
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	666
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	666
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	2 446	100.0	370 160	100.0	18 104	100.0	41
Single modes	2 431	99.4	368 784	99.6	18 049	99.7	41
Truck ¹	2 315	94.6	346 465	93.6	13 775	76.1	39
For-hire truck	873	35.7	130 326	35.2	5 222	28.8	38
Private truck	1 360	55.6	205 146	55.4	8 371	46.2	42
Rail	116	4.7	22 319	6.0	4 273	23.6	200
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	222
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	653
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	653
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	15	.6	1 376	.4	S	S	29
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	3 087	100.0	46 734	100.0	13 492	100.0	219
Single modes	2 916	94.5	44 448	95.1	11 162	82.7	205
Truck ¹	1 866	60.4	17 759	38.0	3 317	24.6	165
For-hire truck	1 349	43.7	10 808	23.1	2 763	20.5	294
Private truck	515	16.7	6 899	14.8	547	4.1	65
Rail	949	30.7	19 792	42.4	7 566	56.1	566
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 340
Pipeline ²	86	2.8	6 773	14.5	S	S	S
Multiple modes	S	S	S	S	S	S	522
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	390
Truck and rail	S	S	S	S	S	S	1 060
Truck and water	S	S	S	S	S	S	7 723
Rail and water	S	S	S	S	S	S	1 214
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	74	.5	183
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	594	100.0	1 243	100.0	444	100.0	327
Single modes	524	88.3	1 209	97.3	430	96.7	265
Truck ¹	458	77.1	831	66.9	200	44.9	195
For-hire truck	323	54.3	273	22.0	152	34.2	588
Private truck	134	22.6	S	S	46	10.4	52
Rail	51	8.6	371	29.9	228	51.3	636
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 628
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	751
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	751
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	212

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	6 680	100.0	250 260	100.0	82 486	100.0	S
Single modes	6 042	90.5	227 262	90.8	73 866	89.6	S
Truck ¹	798	12.0	35 771	14.3	923	1.1	30
For-hire truck	594	8.9	26 914	10.8	714	.9	32
Private truck	205	3.1	S	S	S	S	25
Rail	4 614	69.1	166 815	66.7	65 652	79.6	407
Water	630	9.4	24 676	9.9	7 291	8.8	312
Shallow draft	630	9.4	24 676	9.9	7 291	8.8	312
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	333	5.0	11 247	4.5	6 992	8.5	573
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	279
Truck and water	S	S	S	S	687	.8	535
Rail and water	242	3.6	8 503	3.4	4 462	5.4	395
Other multiple modes	26	.4	1 019	.4	1 787	2.2	1 753
Other and unknown modes	305	4.6	11 751	4.7	1 627	2.0	S
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	29 314	100.0	119 799	100.0	7 421	100.0	55
Single modes	28 925	98.7	118 720	99.1	7 392	99.6	56
Truck ¹	27 875	95.1	114 349	95.5	7 279	98.1	56
For-hire truck	13 387	45.7	59 310	49.5	3 952	53.3	65
Private truck	13 592	46.4	51 115	42.7	2 825	38.1	42
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	47
Shallow draft	S	S	S	S	S	S	47
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	295	1.0	757	.6	21	.3	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	569
Truck and rail	S	S	S	S	S	S	214
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	290	1.0	744	.6	18	.2	25
Other and unknown modes	94	.3	322	.3	7	.1	9
SCTG 18, FUEL OILS							
Total	10 516	100.0	53 124	100.0	2 972	100.0	33
Single modes	10 475	99.6	52 947	99.7	2 969	99.9	34
Truck ¹	9 477	90.1	47 623	89.6	2 780	93.5	34
For-hire truck	3 960	37.7	21 148	39.8	1 384	46.6	74
Private truck	5 132	48.8	24 789	46.7	1 345	45.3	25
Rail	S	S	S	S	S	S	143
Water	S	S	S	S	S	S	53
Shallow draft	S	S	S	S	S	S	53
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	6
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	41	.4	176	.3	3	.1	13

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	5 358	100.0	27 834	100.0	4 175	100.0	63
Single modes	5 291	98.7	27 660	99.4	4 167	99.8	50
Truck ¹	4 875	91.0	23 883	85.8	1 863	44.6	50
For-hire truck	1 822	34.0	8 477	30.5	1 112	26.6	181
Private truck	2 953	55.1	13 916	50.0	668	16.0	34
Rail	376	7.0	3 411	12.3	S	S	546
Water	S	S	S	S	S	S	915
Shallow draft	S	S	S	S	S	S	915
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	607
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	31	.6	8	—	4	—	499
Parcel, U.S. Postal Service or courier	30	.6	5	—	S	S	499
Truck and rail	S	S	S	S	S	S	200
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	36	.7	S	S	4	—	9
SCTG 20, BASIC CHEMICALS							
Total	18 098	100.0	23 748	100.0	8 568	100.0	247
Single modes	17 249	95.3	23 304	98.1	8 250	96.3	120
Truck ¹	14 127	78.1	16 967	71.4	4 389	51.2	110
For-hire truck	10 631	58.7	10 234	43.1	3 573	41.7	376
Private truck	3 485	19.3	6 692	28.2	809	9.4	48
Rail	2 850	15.7	5 555	23.4	3 495	40.8	731
Water	S	S	S	S	S	S	1 569
Shallow draft	S	S	S	S	S	S	1 569
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	29	.2	S	S	S	S	1 324
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	432	2.4	174	.7	228	2.7	875
Parcel, U.S. Postal Service or courier	230	1.3	11	—	7	—	874
Truck and rail	197	1.1	160	.7	220	2.6	954
Truck and water	S	S	S	S	S	S	167
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	417	2.3	270	1.1	90	1.0	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	46 708	100.0	3 412	100.0	2 408	100.0	821
Single modes	35 633	76.3	3 216	94.2	2 270	94.3	307
Truck ¹	31 790	68.1	3 065	89.8	1 849	76.8	266
For-hire truck	24 291	52.0	2 305	67.6	1 692	70.3	427
Private truck	6 820	14.6	686	20.1	121	5.0	166
Rail	S	S	S	S	S	S	2 904
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	3 778	8.1	8	.2	8	.3	935
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	10 630	22.8	115	3.4	82	3.4	958
Parcel, U.S. Postal Service or courier	10 598	22.7	111	3.3	77	3.2	958
Truck and rail	32	—	4	.1	S	S	1 335
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	286

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	7 029	100.0	70 170	100.0	12 166	100.0	94
Single modes	6 937	98.7	69 739	99.4	12 100	99.5	98
Truck ¹	3 278	46.6	20 195	28.8	1 737	14.3	76
For-hire truck	1 571	22.4	11 602	16.5	1 257	10.3	152
Private truck	1 537	21.9	7 531	10.7	480	3.9	63
Rail	2 960	42.1	45 849	65.3	10 211	83.9	719
Water	S	S	S	S	S	S	61
Shallow draft	S	S	S	S	S	S	80
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	23
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	287
Parcel, U.S. Postal Service or courier	S	S	S	S	—	—	251
Truck and rail	S	S	S	S	S	S	1 216
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	42	.6	196	.3	10	—	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	29 746	100.0	17 415	100.0	7 482	100.0	375
Single modes	26 467	89.0	16 414	94.3	6 661	89.0	221
Truck ¹	25 534	85.8	15 224	87.4	5 297	70.8	217
For-hire truck	17 067	57.4	10 254	58.9	4 461	59.6	510
Private truck	7 723	26.0	4 722	27.1	748	10.0	47
Rail	859	2.9	1 175	6.7	1 354	18.1	1 289
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	57	.2	5	—	S	S	1 132
Pipeline ²	17	—	10	—	S	S	S
Multiple modes	2 432	8.2	558	3.2	776	10.4	750
Parcel, U.S. Postal Service or courier	1 868	6.3	99	.6	53	.7	748
Truck and rail	561	1.9	446	2.6	723	9.7	1 616
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	64
Other and unknown modes	846	2.8	443	2.5	45	.6	S
SCTG 24, PLASTICS AND RUBBER							
Total	44 831	100.0	17 355	100.0	8 217	100.0	287
Single modes	40 006	89.2	16 462	94.9	7 384	89.9	174
Truck ¹	38 687	86.3	15 369	88.6	6 371	77.5	158
For-hire truck	24 129	53.8	9 376	54.0	5 208	63.4	532
Private truck	14 457	32.2	5 956	34.3	1 141	13.9	58
Rail	1 064	2.4	1 058	6.1	990	12.0	1 065
Water	S	S	S	S	S	S	234
Shallow draft	S	S	S	S	S	S	235
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	213
Air (includes truck and air)	251	.6	S	S	23	.3	1 224
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	3 053	6.8	472	2.7	722	8.8	611
Parcel, U.S. Postal Service or courier	2 581	5.8	142	.8	105	1.3	609
Truck and rail	S	S	321	1.8	612	7.4	2 193
Truck and water	S	S	S	S	S	S	2 169
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 772	4.0	420	2.4	111	1.4	40

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	2 835	100.0	118 542	100.0	6 808	100.0	56
Single modes	2 793	98.5	117 721	99.3	6 638	97.5	55
Truck ¹	2 754	97.2	116 732	98.5	6 412	94.2	55
For-hire truck	1 231	43.4	54 079	45.6	S	S	68
Private truck	1 514	53.4	62 375	52.6	2 708	39.8	42
Rail	37	1.3	S	S	S	S	S
Water	S	S	S	S	S	S	70
Shallow draft	S	S	S	S	S	S	70
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	237
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	638
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 147
Truck and rail	S	S	S	S	S	S	375
Truck and water	S	S	S	S	S	S	406
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	32	1.1	S	S	37	.5	S
SCTG 26, WOOD PRODUCTS							
Total	24 018	100.0	80 147	100.0	14 305	100.0	252
Single modes	23 183	96.5	78 881	98.4	13 685	95.7	139
Truck ¹	22 097	92.0	73 427	91.6	11 186	78.2	131
For-hire truck	10 873	45.3	33 968	42.4	7 473	52.2	270
Private truck	11 122	46.3	38 649	48.2	3 590	25.1	86
Rail	1 082	4.5	5 452	6.8	2 499	17.5	477
Water	S	S	S	S	S	S	35
Shallow draft	S	S	S	S	S	S	35
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 329
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	414	1.7	377	.5	469	3.3	696
Parcel, U.S. Postal Service or courier	345	1.4	26	—	17	.1	694
Truck and rail	68	.3	349	.4	450	3.1	1 031
Truck and water	S	S	S	S	S	S	764
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	421	1.8	889	1.1	150	1.1	64
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	19 455	100.0	28 986	100.0	15 689	100.0	160
Single modes	18 926	97.3	28 459	98.2	15 264	97.3	135
Truck ¹	14 326	73.6	18 175	62.7	8 467	54.0	121
For-hire truck	10 148	52.2	14 646	50.5	7 947	50.7	480
Private truck	4 035	20.7	3 407	11.8	515	3.3	47
Rail	4 583	23.6	10 279	35.5	6 794	43.3	663
Water	S	S	S	S	S	S	357
Shallow draft	S	S	S	S	S	S	357
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	1	—	S	S	857
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	314	1.6	220	.8	319	2.0	476
Parcel, U.S. Postal Service or courier	165	.8	24	—	12	—	464
Truck and rail	149	.8	196	.7	307	2.0	1 603
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	215	1.1	308	1.1	106	.7	62

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	16 529	100.0	13 513	100.0	4 723	100.0	207
Single modes	15 492	93.7	13 154	97.3	4 562	96.6	139
Truck ¹	15 295	92.5	12 572	93.0	4 067	86.1	132
For-hire truck	10 017	60.6	8 159	60.4	3 506	74.2	309
Private truck	5 218	31.6	4 390	32.5	551	11.7	90
Rail	175	1.1	577	4.3	490	10.4	884
Water	S	S	S	S	S	S	704
Shallow draft	S	S	S	S	S	S	704
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 389
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	615	3.7	124	.9	92	1.9	463
Parcel, U.S. Postal Service or courier	523	3.2	69	.5	25	.5	462
Truck and rail	92	.6	55	.4	67	1.4	1 141
Truck and water	S	S	S	S	S	S	7 386
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	421	2.5	234	1.7	69	1.5	50
SCTG 29, PRINTED PRODUCTS							
Total	30 993	100.0	13 829	100.0	2 435	100.0	573
Single modes	22 753	73.4	12 785	92.5	2 155	88.5	125
Truck ¹	22 225	71.7	12 735	92.1	2 095	86.0	76
For-hire truck	10 009	32.3	5 176	37.4	1 613	66.2	258
Private truck	12 191	39.3	7 553	54.6	481	19.7	32
Rail	S	S	S	S	S	S	839
Water	S	S	S	S	S	S	1
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	460	1.5	38	.3	50	2.0	788
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	6 656	21.5	325	2.4	234	9.6	796
Parcel, U.S. Postal Service or courier	6 563	21.2	311	2.3	226	9.3	796
Truck and rail	S	S	S	S	8	.3	2 569
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 584	5.1	718	5.2	46	1.9	97
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	136 751	100.0	23 745	100.0	11 462	100.0	828
Single modes	123 887	90.6	22 838	96.2	10 683	93.2	714
Truck ¹	123 258	90.1	22 538	94.9	10 272	89.6	662
For-hire truck	78 292	57.3	13 471	56.7	8 241	71.9	840
Private truck	43 901	32.1	8 851	37.3	1 936	16.9	221
Rail	S	S	S	S	S	S	739
Water	S	S	S	S	S	S	1
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	377	.3	17	—	19	.2	1 729
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	9 949	7.3	487	2.1	595	5.2	922
Parcel, U.S. Postal Service or courier	9 480	6.9	356	1.5	292	2.5	921
Truck and rail	S	S	S	S	S	S	2 300
Truck and water	S	S	S	S	S	S	3 052
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	74
Other and unknown modes	2 915	2.1	420	1.8	184	1.6	163

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	18 460	100.0	153 398	100.0	13 791	100.0	244
Single modes	17 507	94.8	150 782	98.3	12 892	93.5	88
Truck ¹	16 817	91.1	148 082	96.5	10 917	79.2	84
For-hire truck	8 469	45.9	35 218	23.0	6 829	49.5	323
Private truck	8 209	44.5	110 438	72.0	3 836	27.8	38
Rail	256	1.4	2 526	1.6	1 946	14.1	623
Water	20	.1	162	.1	S	S	82
Shallow draft	20	.1	162	.1	S	S	82
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 337
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	551	3.0	802	.5	249	1.8	975
Parcel, U.S. Postal Service or courier	497	2.7	26	—	21	.2	978
Truck and rail	39	.2	735	.5	212	1.5	368
Truck and water	S	S	S	S	S	S	395
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	340
Other and unknown modes	401	2.2	1 814	1.2	650	4.7	96
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	26 700	100.0	31 097	100.0	9 063	100.0	194
Single modes	25 489	95.5	29 561	95.1	7 949	87.7	127
Truck ¹	24 016	89.9	26 002	83.6	6 186	68.3	123
For-hire truck	14 843	55.6	14 067	45.2	4 869	53.7	409
Private truck	9 063	33.9	11 490	36.9	1 255	13.8	60
Rail	1 218	4.6	3 474	11.2	1 663	18.4	482
Water	S	S	S	S	S	S	1 204
Shallow draft	S	S	S	S	S	S	1 204
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	11	—	13	.1	1 217
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	584	2.2	52	.2	42	.5	592
Parcel, U.S. Postal Service or courier	555	2.1	29	—	14	.2	592
Truck and rail	29	.1	21	—	25	.3	1 165
Truck and water	S	S	S	S	S	S	1 254
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	626	2.3	1 484	4.8	1 072	11.8	147
SCTG 33, ARTICLES OF BASE METAL							
Total	27 155	100.0	11 205	100.0	4 072	100.0	306
Single modes	21 859	80.5	10 492	93.6	3 398	83.4	164
Truck ¹	21 404	78.8	10 226	91.3	3 127	76.8	147
For-hire truck	11 438	42.1	5 136	45.8	2 314	56.8	571
Private truck	9 874	36.4	5 044	45.0	786	19.3	47
Rail	S	S	S	S	S	S	1 823
Water	S	S	S	S	S	S	753
Shallow draft	S	S	S	S	S	S	312
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	4 956
Air (includes truck and air)	239	.9	33	.3	S	S	1 166
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	4 217	15.5	171	1.5	138	3.4	520
Parcel, U.S. Postal Service or courier	4 167	15.3	151	1.3	85	2.1	520
Truck and rail	42	.2	18	.2	41	1.0	2 115
Truck and water	S	S	S	S	S	S	7 058
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 079	4.0	543	4.8	536	13.2	106

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	56 387	100.0	5 458	100.0	2 904	100.0	265
Single modes	45 393	80.5	4 928	90.3	2 649	91.2	152
Truck ¹	43 316	76.8	4 862	89.1	2 593	89.3	128
For-hire truck	30 778	54.6	3 526	64.6	2 324	80.0	431
Private truck	12 414	22.0	1 329	24.4	267	9.2	43
Rail	S	S	49	.9	35	1.2	965
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 119	2.0	16	.3	21	.7	1 038
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	8 480	15.0	268	4.9	191	6.6	431
Parcel, U.S. Postal Service or courier	8 153	14.5	230	4.2	102	3.5	430
Truck and rail	309	.5	36	.7	74	2.6	2 126
Truck and water	18	—	S	S	S	S	7 447
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 514	4.5	261	4.8	65	2.2	46
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	112 407	100.0	5 964	100.0	3 456	100.0	493
Single modes	75 625	67.3	5 135	86.1	2 996	86.7	237
Truck ¹	67 627	60.2	5 014	84.1	2 864	82.9	165
For-hire truck	44 122	39.3	2 992	50.2	2 158	62.5	651
Private truck	22 965	20.4	1 972	33.1	S	S	52
Rail	S	S	S	S	S	S	1 130
Water	S	S	S	S	S	S	51
Shallow draft	S	S	S	S	S	S	17
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	58
Air (includes truck and air)	7 764	6.9	78	1.3	89	2.6	1 170
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	29 719	26.4	429	7.2	349	10.1	767
Parcel, U.S. Postal Service or courier	29 540	26.3	397	6.7	253	7.3	765
Truck and rail	169	.2	31	.5	S	S	2 741
Truck and water	S	S	S	S	S	S	7 782
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	88
Other and unknown modes	7 062	6.3	401	6.7	111	3.2	55
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	67 636	100.0	9 550	100.0	4 659	100.0	246
Single modes	58 308	86.2	8 441	88.4	4 100	88.0	105
Truck ¹	49 020	72.5	7 530	78.8	3 207	68.8	72
For-hire truck	36 541	54.0	5 368	56.2	2 455	52.7	439
Private truck	12 098	17.9	2 150	22.5	750	16.1	26
Rail	8 471	12.5	865	9.1	853	18.3	964
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	817	1.2	45	.5	40	.9	942
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	4 771	7.1	297	3.1	217	4.6	573
Parcel, U.S. Postal Service or courier	3 580	5.3	178	1.9	90	1.9	572
Truck and rail	S	S	119	1.2	125	2.7	1 030
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	7 000
Other multiple modes	S	S	S	S	S	S	53
Other and unknown modes	4 558	6.7	812	8.5	342	7.3	67

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	15 188	100.0	921	100.0	625	100.0	858
Single modes	12 607	83.0	887	96.3	588	94.1	848
Truck ¹	8 643	56.9	415	45.1	237	37.9	350
For-hire truck	5 511	36.3	274	29.8	175	28.0	782
Private truck	3 014	19.8	140	15.2	61	9.8	S
Rail	844	5.6	460	50.0	340	54.4	730
Water	155	1.0	4	.4	S	S	177
Shallow draft	72	.5	2	.2	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	388
Air (includes truck and air)	2 965	19.5	7	.8	10	1.7	1 337
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 341	15.4	20	2.2	30	4.7	886
Parcel, U.S. Postal Service or courier	2 249	14.8	9	1.0	7	1.2	885
Truck and rail	S	S	S	S	S	S	1 742
Truck and water	S	S	S	S	S	S	21
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	489
Other and unknown modes	241	1.6	14	1.6	7	1.2	513
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	21 224	100.0	764	100.0	524	100.0	713
Single modes	11 528	54.3	639	83.5	418	79.7	501
Truck ¹	9 512	44.8	581	76.0	386	73.7	296
For-hire truck	7 067	33.3	483	63.2	378	72.1	377
Private truck	2 414	11.4	98	12.8	8	1.5	122
Rail	S	S	S	S	S	S	3 165
Water	S	S	S	S	S	S	2
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	2
Air (includes truck and air)	2 015	9.5	S	S	31	6.0	874
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	8 860	41.7	98	12.8	85	16.3	833
Parcel, U.S. Postal Service or courier	8 836	41.6	93	12.2	73	13.8	833
Truck and rail	S	S	S	S	S	S	2 056
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	835	3.9	28	3.7	S	S	S
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	19 458	100.0	4 115	100.0	2 130	100.0	533
Single modes	18 322	94.2	3 989	96.9	2 020	94.9	465
Truck ¹	18 166	93.4	3 981	96.7	2 005	94.1	455
For-hire truck	11 537	59.3	2 681	65.1	1 701	79.9	702
Private truck	6 242	32.1	1 238	30.1	268	12.6	142
Rail	S	S	S	S	S	S	2 979
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	136	.7	4	.1	5	.2	1 401
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	706	3.6	64	1.6	63	3.0	834
Parcel, U.S. Postal Service or courier	632	3.2	49	1.2	41	1.9	830
Truck and rail	63	.3	14	.3	13	.6	1 557
Truck and water	S	S	S	S	S	S	7 596
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	430	2.2	62	1.5	46	2.2	77

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	53 033	100.0	20 925	100.0	5 686	100.0	729
Single modes	37 874	71.4	19 554	93.4	5 089	89.5	342
Truck ¹	36 583	69.0	19 077	91.2	4 726	83.1	307
For-hire truck	19 060	35.9	8 062	38.5	3 371	59.3	580
Private truck	17 329	32.7	10 954	52.3	1 327	23.3	213
Rail	S	S	S	S	S	S	1 013
Water	S	S	S	S	S	S	624
Shallow draft	S	S	S	S	S	S	5
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 906
Air (includes truck and air)	985	1.9	15	—	20	.3	1 474
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	12 749	24.0	450	2.2	354	6.2	914
Parcel, U.S. Postal Service or courier	12 571	23.7	373	1.8	261	4.6	914
Truck and rail	173	.3	76	.4	88	1.6	1 259
Truck and water	S	S	S	S	S	S	7 115
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	135
Other and unknown modes	2 410	4.5	921	4.4	243	4.3	154
SCTG 41, WASTE AND SCRAP							
Total	3 831	100.0	19 692	100.0	5 438	100.0	181
Single modes	3 681	96.1	19 136	97.2	5 202	95.7	175
Truck ¹	2 999	78.3	13 931	70.7	3 465	63.7	160
For-hire truck	1 908	49.8	9 707	49.3	2 935	54.0	264
Private truck	1 087	28.4	4 188	21.3	526	9.7	67
Rail	654	17.1	4 942	25.1	1 688	31.0	380
Water	S	S	S	S	S	S	245
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	245
Air (includes truck and air)	S	S	S	S	S	S	277
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	96	2.5	S	S	S	S	1 090
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 608
Truck and rail	92	2.4	S	S	S	S	1 110
Truck and water	S	S	S	S	S	S	224
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	295
SCTG 43, MIXED FREIGHT							
Total	58 371	100.0	25 455	100.0	3 007	100.0	161
Single modes	56 863	97.4	25 222	99.1	2 948	98.1	116
Truck ¹	56 787	97.3	25 218	99.1	2 946	98.0	95
For-hire truck	2 978	5.1	1 787	7.0	576	19.2	281
Private truck	53 749	92.1	23 420	92.0	2 364	78.6	89
Rail	S	S	S	S	S	S	44
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 487
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 078	1.8	S	S	S	S	291
Parcel, U.S. Postal Service or courier	1 078	1.8	S	S	S	S	291
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	430	.7	100	.4	21	.7	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	5 234	100.0	3 274	100.0	756	100.0	333
Single modes	4 543	86.8	2 855	87.2	675	89.2	277
Truck ¹	4 393	83.9	2 779	84.9	610	80.7	202
For-hire truck	2 876	55.0	1 415	43.2	455	60.2	518
Private truck	1 515	28.9	1 364	41.7	155	20.5	104
Rail	S	S	S	S	S	S	1 233
Water	S	S	S	S	S	S	2 959
Shallow draft	S	S	S	S	S	S	204
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	5 715
Air (includes truck and air)	S	S	S	S	S	S	1 170
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	384	7.3	27	.8	11	1.4	457
Parcel, U.S. Postal Service or courier	375	7.2	15	.5	9	1.1	457
Truck and rail	S	S	S	S	S	S	202
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	307	5.9	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 074 991	1 810 297	320 689
Less than 50 miles	328 492	1 048 486	22 887
50 to 99 miles	103 185	210 595	19 335
100 to 249 miles	191 386	254 719	60 469
250 to 499 miles	173 276	186 147	91 086
500 to 749 miles	122 455	56 510	46 866
750 to 999 miles	56 123	26 952	30 039
1,000 to 1,499 miles	44 803	16 713	23 971
1,500 to 1,999 miles	17 103	3 186	6 841
2,000 miles or more	38 168	6 990	19 195
SCTG 01, Live animals and live fish	664	S	192
Less than 50 miles	139	S	S
50 to 99 miles	102	S	S
100 to 249 miles	S	S	S
250 to 499 miles	95	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	61	46	59
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	1 739	11 957	S
Less than 50 miles	548	4 414	144
50 to 99 miles	224	1 872	175
100 to 249 miles	216	1 746	384
250 to 499 miles	64	549	240
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	14 751	18 154	5 353
Less than 50 miles	5 529	7 674	217
50 to 99 miles	1 755	2 602	253
100 to 249 miles	3 669	3 013	608
250 to 499 miles	1 533	1 848	849
500 to 749 miles	741	944	739
750 to 999 miles	547	S	S
1,000 to 1,499 miles	730	777	1 010
1,500 to 1,999 miles	48	54	S
2,000 miles or more	199	110	308
SCTG 04, Animal feed and products of animal origin, n.e.c.	7 577	29 312	3 190
Less than 50 miles	4 204	20 402	588
50 to 99 miles	908	3 447	321
100 to 249 miles	1 216	2 935	592
250 to 499 miles	648	1 464	632
500 to 749 miles	276	643	476
750 to 999 miles	S	274	312
1,000 to 1,499 miles	53	106	163
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	29	85
SCTG 05, Meat, fish, seafood, and their preparations	27 745	13 895	5 070
Less than 50 miles	7 385	3 369	94
50 to 99 miles	2 820	1 485	144
100 to 249 miles	6 047	3 300	678
250 to 499 miles	5 493	3 013	1 306
500 to 749 miles	3 249	1 579	1 175
750 to 999 miles	1 034	354	362
1,000 to 1,499 miles	1 006	S	S
1,500 to 1,999 miles	226	73	146
2,000 miles or more	485	189	492
SCTG 06, Milled grain products and preparations, and bakery products	12 315	9 102	2 580
Less than 50 miles	3 910	2 524	78
50 to 99 miles	2 038	2 009	183
100 to 249 miles	2 254	1 879	372
250 to 499 miles	1 914	1 373	620
500 to 749 miles	1 356	817	607
750 to 999 miles	471	279	278
1,000 to 1,499 miles	145	93	127
1,500 to 1,999 miles	96	49	105
2,000 miles or more	129	80	210
SCTG 07, Other prepared foodstuffs and fats and oils	45 435	60 353	13 373
Less than 50 miles	18 730	26 726	665
50 to 99 miles	5 786	9 693	871
100 to 249 miles	8 801	11 756	2 271
250 to 499 miles	5 371	5 758	2 545
500 to 749 miles	2 973	2 693	2 041
750 to 999 miles	1 579	1 420	1 460
1,000 to 1,499 miles	1 351	1 869	2 376
1,500 to 1,999 miles	280	111	229
2,000 miles or more	563	328	916

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	14 271	13 031	1 846
Less than 50 miles	9 873	7 846	151
50 to 99 miles	959	599	52
100 to 249 miles	1 819	2 258	472
250 to 499 miles	1 303	1 895	793
500 to 749 miles	216	333	245
750 to 999 miles	55	59	65
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	29 222	2 579	661
Less than 50 miles	10 834	1 849	S
50 to 99 miles	688	71	7
100 to 249 miles	1 459	131	26
250 to 499 miles	6 043	206	98
500 to 749 miles	4 092	130	97
750 to 999 miles	1 537	48	51
1,000 to 1,499 miles	1 520	47	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	2 555	83	237
SCTG 10, Monumental or building stone	403	4 490	241
Less than 50 miles	177	3 858	33
50 to 99 miles	28	126	S
100 to 249 miles	S	275	63
250 to 499 miles	52	144	61
500 to 749 miles	36	67	47
750 to 999 miles	8	15	16
1,000 to 1,499 miles	S	1	2
1,500 to 1,999 miles	S	S	S
2,000 miles or more	1	S	S
SCTG 11, Natural sands	801	74 591	3 807
Less than 50 miles	464	56 764	1 303
50 to 99 miles	104	13 274	1 217
100 to 249 miles	81	3 688	711
250 to 499 miles	72	621	299
500 to 749 miles	25	71	48
750 to 999 miles	39	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	4	9	23
SCTG 12, Gravel and crushed stone	2 446	370 160	18 104
Less than 50 miles	2 093	322 578	5 139
50 to 99 miles	127	16 498	1 585
100 to 249 miles	159	21 000	4 423
250 to 499 miles	40	6 432	2 823
500 to 749 miles	6	S	S
750 to 999 miles	17	2 683	3 051
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	3 087	46 734	13 492
Less than 50 miles	761	29 757	918
50 to 99 miles	150	1 637	173
100 to 249 miles	736	5 102	1 143
250 to 499 miles	537	2 793	1 409
500 to 749 miles	347	2 029	1 758
750 to 999 miles	227	2 512	3 067
1,000 to 1,499 miles	247	2 286	3 361
1,500 to 1,999 miles	19	204	423
2,000 miles or more	62	415	1 239
SCTG 14, Metallic ores and concentrates	594	1 243	444
Less than 50 miles	80	S	S
50 to 99 miles	S	56	6
100 to 249 miles	141	238	54
250 to 499 miles	125	148	74
500 to 749 miles	62	187	S
750 to 999 miles	S	50	54
1,000 to 1,499 miles	S	38	62
1,500 to 1,999 miles	S	4	8
2,000 miles or more	S	S	S
SCTG 15, Coal	6 680	250 260	82 486
Less than 50 miles	1 467	60 539	1 742
50 to 99 miles	600	20 686	2 281
100 to 249 miles	1 891	72 655	23 548
250 to 499 miles	2 512	88 649	45 500
500 to 749 miles	190	7 028	8 391
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	29 314	119 799	7 421
Less than 50 miles	21 352	84 260	1 688
50 to 99 miles	4 139	18 309	1 602
100 to 249 miles	3 088	13 841	2 477
250 to 499 miles	603	2 796	1 238
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	10 516	53 124	2 972
Less than 50 miles	7 800	38 374	617
50 to 99 miles	1 345	7 309	626
100 to 249 miles	1 193	6 481	1 266
250 to 499 miles	170	928	426
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	5 358	27 834	4 175
Less than 50 miles	2 661	17 507	387
50 to 99 miles	704	2 176	193
100 to 249 miles	1 066	4 233	831
250 to 499 miles	632	3 537	S
500 to 749 miles	146	167	127
750 to 999 miles	109	S	S
1,000 to 1,499 miles	21	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	17	S	S
SCTG 20, Basic chemicals	18 098	23 748	8 568
Less than 50 miles	3 216	6 554	153
50 to 99 miles	1 721	3 692	372
100 to 249 miles	4 520	6 604	1 430
250 to 499 miles	3 142	2 865	1 460
500 to 749 miles	2 366	1 725	1 352
750 to 999 miles	1 577	1 245	1 532
1,000 to 1,499 miles	851	474	690
1,500 to 1,999 miles	147	95	210
2,000 miles or more	558	494	1 369
SCTG 21, Pharmaceutical products	46 708	3 412	2 408
Less than 50 miles	10 999	525	11
50 to 99 miles	3 997	257	26
100 to 249 miles	11 424	470	98
250 to 499 miles	8 523	801	387
500 to 749 miles	4 521	685	520
750 to 999 miles	2 528	162	166
1,000 to 1,499 miles	2 608	139	S
1,500 to 1,999 miles	418	11	23
2,000 miles or more	1 690	S	S
SCTG 22, Fertilizers	7 029	70 170	12 166
Less than 50 miles	4 297	56 048	1 732
50 to 99 miles	505	2 056	200
100 to 249 miles	588	2 672	565
250 to 499 miles	471	3 024	1 533
500 to 749 miles	355	2 078	1 868
750 to 999 miles	346	1 929	2 293
1,000 to 1,499 miles	442	2 259	3 731
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	29 746	17 415	7 482
Less than 50 miles	8 299	4 478	110
50 to 99 miles	2 177	1 667	160
100 to 249 miles	5 192	4 116	871
250 to 499 miles	5 532	2 861	1 309
500 to 749 miles	4 658	2 275	1 727
750 to 999 miles	1 641	894	953
1,000 to 1,499 miles	863	522	760
1,500 to 1,999 miles	312	170	356
2,000 miles or more	1 071	432	1 235
SCTG 24, Plastics and rubber	44 831	17 355	8 217
Less than 50 miles	10 553	4 221	103
50 to 99 miles	4 166	1 695	158
100 to 249 miles	7 666	3 343	727
250 to 499 miles	9 617	3 639	1 713
500 to 749 miles	5 898	2 042	1 560
750 to 999 miles	2 655	1 000	1 059
1,000 to 1,499 miles	1 889	662	937
1,500 to 1,999 miles	582	139	302
2,000 miles or more	1 804	614	1 659

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	2 835	118 542	6 808
Less than 50 miles	1 630	69 783	1 990
50 to 99 miles	747	S	S
100 to 249 miles	336	7 418	1 245
250 to 499 miles	83	S	S
500 to 749 miles	22	82	66
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	24 018	80 147	14 305
Less than 50 miles	7 317	33 546	1 094
50 to 99 miles	3 689	18 074	1 662
100 to 249 miles	6 007	16 063	3 300
250 to 499 miles	3 920	7 614	3 395
500 to 749 miles	1 824	3 191	2 378
750 to 999 miles	598	939	1 046
1,000 to 1,499 miles	260	339	469
1,500 to 1,999 miles	167	161	351
2,000 miles or more	236	220	609
SCTG 27, Pulp, newsprint, paper, and paperboard	19 455	28 986	15 689
Less than 50 miles	4 239	4 729	112
50 to 99 miles	1 472	2 084	224
100 to 249 miles	3 461	5 526	1 315
250 to 499 miles	3 880	6 359	3 284
500 to 749 miles	3 443	5 485	4 473
750 to 999 miles	1 891	3 258	3 571
1,000 to 1,499 miles	680	1 131	1 630
1,500 to 1,999 miles	115	104	228
2,000 miles or more	274	311	853
SCTG 28, Paper or paperboard articles	16 529	13 513	4 723
Less than 50 miles	4 527	3 507	93
50 to 99 miles	1 856	1 921	180
100 to 249 miles	3 231	3 116	640
250 to 499 miles	3 303	2 408	1 073
500 to 749 miles	2 069	1 417	1 068
750 to 999 miles	893	724	747
1,000 to 1,499 miles	247	142	198
1,500 to 1,999 miles	142	93	210
2,000 miles or more	261	186	513
SCTG 29, Printed products	30 993	13 829	2 435
Less than 50 miles	16 369	9 567	161
50 to 99 miles	1 795	735	66
100 to 249 miles	2 761	968	202
250 to 499 miles	3 231	1 175	531
500 to 749 miles	2 610	801	590
750 to 999 miles	1 646	275	276
1,000 to 1,499 miles	1 103	140	189
1,500 to 1,999 miles	452	44	90
2,000 miles or more	1 025	125	331
SCTG 30, Textiles, leather, and articles of textiles or leather	136 751	23 745	11 462
Less than 50 miles	26 777	5 349	135
50 to 99 miles	S	2 400	233
100 to 249 miles	27 887	5 179	1 061
250 to 499 miles	22 968	4 545	2 117
500 to 749 miles	17 795	2 918	2 164
750 to 999 miles	6 825	1 049	1 087
1,000 to 1,499 miles	5 787	831	1 166
1,500 to 1,999 miles	3 456	728	1 527
2,000 miles or more	5 206	746	1 973
SCTG 31, Nonmetallic mineral products	18 460	153 398	13 791
Less than 50 miles	7 831	111 637	2 056
50 to 99 miles	1 740	15 554	1 406
100 to 249 miles	3 750	15 494	3 093
250 to 499 miles	2 421	6 678	2 882
500 to 749 miles	1 302	2 240	1 681
750 to 999 miles	638	787	840
1,000 to 1,499 miles	285	697	S
1,500 to 1,999 miles	111	40	87
2,000 miles or more	381	272	773
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	26 700	31 097	9 063
Less than 50 miles	7 432	10 211	308
50 to 99 miles	2 820	4 473	429
100 to 249 miles	5 454	6 619	1 430
250 to 499 miles	5 908	5 576	2 583
500 to 749 miles	2 964	2 740	2 071
750 to 999 miles	1 074	953	1 079
1,000 to 1,499 miles	507	197	282
1,500 to 1,999 miles	109	53	110
2,000 miles or more	431	274	772

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	27 155	11 205	4 072
Less than 50 miles	8 307	3 479	74
50 to 99 miles	2 591	1 359	128
100 to 249 miles	4 492	2 080	419
250 to 499 miles	5 111	2 233	1 002
500 to 749 miles	3 037	1 018	749
750 to 999 miles	1 584	437	447
1,000 to 1,499 miles	995	266	366
1,500 to 1,999 miles	296	67	168
2,000 miles or more	741	266	719
SCTG 34, Machinery	56 387	5 458	2 904
Less than 50 miles	11 473	1 295	30
50 to 99 miles	5 472	470	44
100 to 249 miles	9 173	920	202
250 to 499 miles	10 635	1 052	500
500 to 749 miles	7 918	743	558
750 to 999 miles	4 184	397	402
1,000 to 1,499 miles	3 317	258	358
1,500 to 1,999 miles	1 007	101	218
2,000 miles or more	3 208	220	593
SCTG 35, Electronic and other electrical equipment and components and office equipment	112 407	5 964	3 456
Less than 50 miles	30 282	1 762	33
50 to 99 miles	4 586	272	24
100 to 249 miles	10 769	636	144
250 to 499 miles	20 418	994	470
500 to 749 miles	16 781	1 172	882
750 to 999 miles	8 400	396	416
1,000 to 1,499 miles	9 892	235	325
1,500 to 1,999 miles	3 991	303	628
2,000 miles or more	7 286	194	532
SCTG 36, Motorized and other vehicles (including parts)	67 636	9 550	4 659
Less than 50 miles	15 560	2 602	73
50 to 99 miles	3 940	562	50
100 to 249 miles	11 018	1 415	320
250 to 499 miles	13 382	2 142	1 062
500 to 749 miles	14 455	1 725	1 326
750 to 999 miles	3 790	485	515
1,000 to 1,499 miles	1 956	245	354
1,500 to 1,999 miles	681	64	133
2,000 miles or more	2 855	311	826
SCTG 37, Transportation equipment, n.e.c.	15 188	921	625
Less than 50 miles	2 859	S	S
50 to 99 miles	220	14	1
100 to 249 miles	S	100	23
250 to 499 miles	1 752	281	173
500 to 749 miles	2 455	220	182
750 to 999 miles	1 727	101	117
1,000 to 1,499 miles	937	23	31
1,500 to 1,999 miles	S	14	31
2,000 miles or more	1 161	20	60
SCTG 38, Precision instruments and apparatus	21 224	764	524
Less than 50 miles	4 212	125	3
50 to 99 miles	839	S	S
100 to 249 miles	2 322	92	17
250 to 499 miles	3 105	127	52
500 to 749 miles	2 909	170	128
750 to 999 miles	2 882	56	57
1,000 to 1,499 miles	2 222	31	43
1,500 to 1,999 miles	684	9	18
2,000 miles or more	2 049	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	19 458	4 115	2 130
Less than 50 miles	4 529	748	18
50 to 99 miles	1 437	402	36
100 to 249 miles	2 839	645	137
250 to 499 miles	4 127	1 036	482
500 to 749 miles	3 263	707	525
750 to 999 miles	1 383	269	280
1,000 to 1,499 miles	659	113	154
1,500 to 1,999 miles	333	52	112
2,000 miles or more	886	142	386
SCTG 40, Miscellaneous manufactured products	53 033	20 925	5 686
Less than 50 miles	11 604	8 754	185
50 to 99 miles	4 339	2 246	211
100 to 249 miles	11 764	4 602	946
250 to 499 miles	8 687	2 701	1 220
500 to 749 miles	6 094	1 152	854
750 to 999 miles	3 302	664	705
1,000 to 1,499 miles	3 422	422	585
1,500 to 1,999 miles	1 196	104	227
2,000 miles or more	2 624	280	754

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	3 831	19 692	5 438
Less than 50 miles	1 311	5 998	143
50 to 99 miles	339	2 734	269
100 to 249 miles	662	4 446	934
250 to 499 miles	814	3 896	1 753
500 to 749 miles	496	2 035	1 522
750 to 999 miles	125	290	311
1,000 to 1,499 miles	76	232	346
1,500 to 1,999 miles	S	S	S
2,000 miles or more	7	S	S
SCTG 43, Mixed freight	58 371	25 455	3 007
Less than 50 miles	25 860	12 801	396
50 to 99 miles	9 603	4 578	431
100 to 249 miles	17 996	6 545	1 215
250 to 499 miles	S	1 049	444
500 to 749 miles	474	232	169
750 to 999 miles	162	53	49
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
Commodity unknown	5 234	3 274	756
Less than 50 miles	998	1 285	27
50 to 99 miles	577	581	53
100 to 249 miles	1 433	830	162
250 to 499 miles	1 110	289	133
500 to 749 miles	469	106	77
750 to 999 miles	213	S	S
1,000 to 1,499 miles	156	26	33
1,500 to 1,999 miles	38	3	7
2,000 miles or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 074 991	1 810 297	320 689
Less than 50 lb	108 425	2 856	1 137
50 to 99 lb	33 900	2 238	569
100 to 499 lb	100 625	14 048	2 787
500 to 749 lb	30 678	6 548	1 336
750 to 999 lb	21 176	5 491	1 094
1,000 to 9,999 lb	254 492	87 832	17 397
10,000 to 49,999 lb	426 057	824 853	119 628
50,000 to 99,999 lb	51 773	383 928	27 553
100,000 lb or more	47 865	482 504	149 189
SCTG 01, Live animals and live fish	664	S	192
Less than 50 lb	10	1	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	128
50,000 to 99,999 lb	45	34	19
100,000 lb or more	S	S	37
SCTG 02, Cereal grains	1 739	11 957	S
Less than 50 lb	S	S	S
50 to 99 lb	—	S	S
100 to 499 lb	S	11	S
500 to 749 lb	2	6	S
750 to 999 lb	S	4	S
1,000 to 9,999 lb	50	173	8
10,000 to 49,999 lb	185	1 385	134
50,000 to 99,999 lb	394	3 382	262
100,000 lb or more	S	6 996	S
SCTG 03, Other agricultural products	14 751	18 154	5 353
Less than 50 lb	727	110	S
50 to 99 lb	291	62	9
100 to 499 lb	788	411	52
500 to 749 lb	376	232	29
750 to 999 lb	266	235	23
1,000 to 9,999 lb	3 007	3 086	548
10,000 to 49,999 lb	6 890	8 604	2 911
50,000 to 99,999 lb	1 091	3 022	377
100,000 lb or more	1 315	2 391	1 357
SCTG 04, Animal feed and products of animal origin, n.e.c.	7 577	29 312	3 190
Less than 50 lb	S	S	1
50 to 99 lb	9	12	—
100 to 499 lb	94	139	6
500 to 749 lb	70	69	6
750 to 999 lb	49	43	4
1,000 to 9,999 lb	817	1 281	110
10,000 to 49,999 lb	5 245	21 402	1 974
50,000 to 99,999 lb	1 013	4 773	516
100,000 lb or more	244	1 578	574
SCTG 05, Meat, fish, seafood, and their preparations	27 745	13 895	5 070
Less than 50 lb	391	44	S
50 to 99 lb	620	97	10
100 to 499 lb	2 131	519	45
500 to 749 lb	715	210	23
750 to 999 lb	540	206	28
1,000 to 9,999 lb	7 515	3 184	847
10,000 to 49,999 lb	14 937	8 815	3 835
50,000 to 99,999 lb	518	437	149
100,000 lb or more	377	382	125
SCTG 06, Milled grain products and preparations, and bakery products	12 315	9 102	2 580
Less than 50 lb	287	76	6
50 to 99 lb	219	71	5
100 to 499 lb	1 073	348	21
500 to 749 lb	414	153	13
750 to 999 lb	323	124	18
1,000 to 9,999 lb	2 413	1 395	300
10,000 to 49,999 lb	7 001	6 210	2 123
50,000 to 99,999 lb	179	554	77
100,000 lb or more	S	171	18
SCTG 07, Other prepared foodstuffs and fats and oils	45 435	60 353	13 373
Less than 50 lb	498	121	12
50 to 99 lb	543	272	16
100 to 499 lb	3 066	2 409	111
500 to 749 lb	1 098	1 063	49
750 to 999 lb	853	857	38
1,000 to 9,999 lb	9 136	8 933	886
10,000 to 49,999 lb	26 887	38 313	8 570
50,000 to 99,999 lb	1 101	2 958	S
100,000 lb or more	2 254	5 428	3 302

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	14 271	13 031	1 846
Less than 50 lb	218	40	1
50 to 99 lb	255	82	3
100 to 499 lb	2 052	1 129	30
500 to 749 lb	996	658	17
750 to 999 lb	744	570	14
1,000 to 9,999 lb	5 087	4 105	104
10,000 to 49,999 lb	4 093	5 186	1 481
50,000 to 99,999 lb	661	1 033	147
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	29 222	2 579	661
Less than 50 lb	545	15	6
50 to 99 lb	363	13	1
100 to 499 lb	1 251	51	9
500 to 749 lb	248	15	4
750 to 999 lb	94	6	2
1,000 to 9,999 lb	710	54	19
10,000 to 49,999 lb	25 847	2 393	592
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	403	4 490	241
Less than 50 lb	S	S	S
50 to 99 lb	2	—	S
100 to 499 lb	24	9	1
500 to 749 lb	10	5	1
750 to 999 lb	4	S	1
1,000 to 9,999 lb	94	111	24
10,000 to 49,999 lb	259	3 434	180
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	801	74 591	3 807
Less than 50 lb	S	S	S
50 to 99 lb	S	—	S
100 to 499 lb	S	6	—
500 to 749 lb	1	5	S
750 to 999 lb	S	1	—
1,000 to 9,999 lb	32	515	18
10,000 to 49,999 lb	509	33 387	1 494
50,000 to 99,999 lb	119	24 061	1 320
100,000 lb or more	131	16 614	975
SCTG 12, Gravel and crushed stone	2 446	370 160	18 104
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	—	5	—
500 to 749 lb	—	4	—
750 to 999 lb	—	6	S
1,000 to 9,999 lb	26	1 457	48
10,000 to 49,999 lb	1 771	261 390	9 965
50,000 to 99,999 lb	435	69 496	3 285
100,000 lb or more	215	37 802	4 806
SCTG 13, Nonmetallic minerals n.e.c.	3 087	46 734	13 492
Less than 50 lb	S	1	S
50 to 99 lb	S	3	S
100 to 499 lb	S	28	S
500 to 749 lb	28	S	S
750 to 999 lb	S	6	S
1,000 to 9,999 lb	267	711	79
10,000 to 49,999 lb	1 296	12 785	2 536
50,000 to 99,999 lb	158	3 547	479
100,000 lb or more	1 240	29 640	10 387
SCTG 14, Metallic ores and concentrates	594	1 243	444
Less than 50 lb	4	—	S
50 to 99 lb	S	S	S
100 to 499 lb	S	4	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	106	27	7
10,000 to 49,999 lb	252	339	165
50,000 to 99,999 lb	S	S	S
100,000 lb or more	56	443	252
SCTG 15, Coal	6 680	250 260	82 486
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	15	2
10,000 to 49,999 lb	40	1 531	85
50,000 to 99,999 lb	247	S	331
100,000 lb or more	6 387	236 523	82 067

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	29 314	119 799	7 421
Less than 50 lb	S	1	—
50 to 99 lb	S	2	—
100 to 499 lb	14	26	—
500 to 749 lb	6	24	—
750 to 999 lb	9	23	—
1,000 to 9,999 lb	1 379	2 824	125
10,000 to 49,999 lb	5 893	25 617	1 981
50,000 to 99,999 lb	20 052	80 138	4 844
100,000 lb or more	1 955	11 145	S
SCTG 18, Fuel oils	10 516	53 124	2 972
Less than 50 lb	S	2	—
50 to 99 lb	3	4	—
100 to 499 lb	72	109	2
500 to 749 lb	51	150	2
750 to 999 lb	49	179	3
1,000 to 9,999 lb	1 193	4 141	147
10,000 to 49,999 lb	2 415	12 099	809
50,000 to 99,999 lb	4 972	27 652	1 725
100,000 lb or more	S	S	284
SCTG 19, Coal and petroleum products, n.e.c.	5 358	27 834	4 175
Less than 50 lb	66	16	1
50 to 99 lb	55	21	1
100 to 499 lb	480	285	16
500 to 749 lb	157	187	6
750 to 999 lb	200	196	12
1,000 to 9,999 lb	1 089	1 664	85
10,000 to 49,999 lb	2 017	14 360	1 205
50,000 to 99,999 lb	817	5 541	461
100,000 lb or more	477	5 565	S
SCTG 20, Basic chemicals	18 098	23 748	8 568
Less than 50 lb	360	20	5
50 to 99 lb	96	19	3
100 to 499 lb	607	247	19
500 to 749 lb	292	101	15
750 to 999 lb	172	88	10
1,000 to 9,999 lb	2 907	1 476	275
10,000 to 49,999 lb	9 757	12 890	3 824
50,000 to 99,999 lb	291	1 162	189
100,000 lb or more	3 617	7 746	4 227
SCTG 21, Pharmaceutical products	46 708	3 412	2 408
Less than 50 lb	12 423	111	63
50 to 99 lb	2 147	45	14
100 to 499 lb	6 067	189	99
500 to 749 lb	1 419	58	40
750 to 999 lb	752	46	20
1,000 to 9,999 lb	10 669	390	178
10,000 to 49,999 lb	13 209	2 553	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	7 029	70 170	12 166
Less than 50 lb	S	S	S
50 to 99 lb	S	4	—
100 to 499 lb	56	36	S
500 to 749 lb	16	25	1
750 to 999 lb	15	20	1
1,000 to 9,999 lb	509	1 463	73
10,000 to 49,999 lb	1 563	8 741	1 096
50,000 to 99,999 lb	462	4 273	314
100,000 lb or more	4 317	55 596	10 677
SCTG 23, Chemical products and preparations, n.e.c.	29 746	17 415	7 482
Less than 50 lb	2 218	128	43
50 to 99 lb	930	89	22
100 to 499 lb	2 803	608	106
500 to 749 lb	1 037	226	57
750 to 999 lb	654	172	45
1,000 to 9,999 lb	6 248	2 063	751
10,000 to 49,999 lb	14 475	12 092	5 098
50,000 to 99,999 lb	250	389	113
100,000 lb or more	1 132	1 649	1 247
SCTG 24, Plastics and rubber	44 831	17 355	8 217
Less than 50 lb	2 684	138	40
50 to 99 lb	1 129	132	30
100 to 499 lb	4 784	817	162
500 to 749 lb	1 758	344	94
750 to 999 lb	1 158	221	65
1,000 to 9,999 lb	12 331	3 972	1 355
10,000 to 49,999 lb	19 517	9 954	5 161
50,000 to 99,999 lb	316	259	111
100,000 lb or more	1 154	1 517	1 199

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	2 835	118 542	6 808
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	76	5
10,000 to 49,999 lb	1 153	40 602	2 296
50,000 to 99,999 lb	1 474	71 154	3 850
100,000 lb or more	137	6 701	655
SCTG 26, Wood products	24 018	80 147	14 305
Less than 50 lb	412	31	12
50 to 99 lb	218	32	7
100 to 499 lb	928	182	26
500 to 749 lb	526	120	17
750 to 999 lb	364	125	16
1,000 to 9,999 lb	4 184	3 206	320
10,000 to 49,999 lb	13 254	40 666	8 081
50,000 to 99,999 lb	2 376	26 791	2 883
100,000 lb or more	1 757	8 995	2 942
SCTG 27, Pulp, newsprint, paper, and paperboard	19 455	28 986	15 689
Less than 50 lb	204	31	3
50 to 99 lb	161	43	7
100 to 499 lb	901	329	38
500 to 749 lb	327	156	16
750 to 999 lb	221	112	12
1,000 to 9,999 lb	2 444	1 683	270
10,000 to 49,999 lb	10 028	14 888	8 102
50,000 to 99,999 lb	352	788	300
100,000 lb or more	4 817	10 957	6 941
SCTG 28, Paper or paperboard articles	16 529	13 513	4 723
Less than 50 lb	541	49	9
50 to 99 lb	287	60	9
100 to 499 lb	1 103	334	37
500 to 749 lb	404	157	22
750 to 999 lb	245	103	12
1,000 to 9,999 lb	3 232	2 295	408
10,000 to 49,999 lb	10 275	9 477	3 476
50,000 to 99,999 lb	126	223	56
100,000 lb or more	316	814	695
SCTG 29, Printed products	30 993	13 829	2 435
Less than 50 lb	5 115	221	117
50 to 99 lb	1 101	122	21
100 to 499 lb	4 447	699	138
500 to 749 lb	1 371	328	60
750 to 999 lb	858	231	31
1,000 to 9,999 lb	9 786	5 233	601
10,000 to 49,999 lb	7 570	6 358	1 439
50,000 to 99,999 lb	226	155	13
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	136 751	23 745	11 462
Less than 50 lb	7 930	245	198
50 to 99 lb	2 465	141	104
100 to 499 lb	7 621	733	489
500 to 749 lb	3 437	439	282
750 to 999 lb	3 100	360	244
1,000 to 9,999 lb	56 409	5 415	2 845
10,000 to 49,999 lb	53 197	15 009	6 327
50,000 to 99,999 lb	1 817	657	240
100,000 lb or more	776	745	734
SCTG 31, Nonmetallic mineral products	18 460	153 398	13 791
Less than 50 lb	562	31	13
50 to 99 lb	266	40	6
100 to 499 lb	902	216	39
500 to 749 lb	248	94	18
750 to 999 lb	224	117	18
1,000 to 9,999 lb	3 429	5 365	393
10,000 to 49,999 lb	10 235	109 917	8 575
50,000 to 99,999 lb	2 003	28 581	2 578
100,000 lb or more	591	9 037	2 150
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	26 700	31 097	9 063
Less than 50 lb	660	30	7
50 to 99 lb	332	45	6
100 to 499 lb	1 475	352	38
500 to 749 lb	616	199	27
750 to 999 lb	529	203	24
1,000 to 9,999 lb	4 973	3 575	782
10,000 to 49,999 lb	15 381	19 839	5 432
50,000 to 99,999 lb	1 083	2 163	523
100,000 lb or more	1 650	4 690	2 224

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	27 155	11 205	4 072
Less than 50 lb	4 517	154	45
50 to 99 lb	1 234	92	25
100 to 499 lb	3 752	483	123
500 to 749 lb	998	211	56
750 to 999 lb	934	182	62
1,000 to 9,999 lb	7 070	2 827	757
10,000 to 49,999 lb	8 130	6 353	2 538
50,000 to 99,999 lb	219	446	168
100,000 lb or more	302	458	S
SCTG 34, Machinery	56 387	5 458	2 904
Less than 50 lb	8 323	197	50
50 to 99 lb	2 816	128	37
100 to 499 lb	7 890	570	158
500 to 749 lb	2 373	176	74
750 to 999 lb	1 337	110	56
1,000 to 9,999 lb	12 643	1 317	687
10,000 to 49,999 lb	16 379	2 611	1 651
50,000 to 99,999 lb	S	281	152
100,000 lb or more	S	66	39
SCTG 35, Electronic and other electrical equipment and components and office equipment	112 407	5 964	3 456
Less than 50 lb	27 166	293	131
50 to 99 lb	9 589	164	68
100 to 499 lb	22 029	608	245
500 to 749 lb	4 369	187	81
750 to 999 lb	3 017	149	65
1,000 to 9,999 lb	30 410	1 403	773
10,000 to 49,999 lb	14 772	2 568	1 921
50,000 to 99,999 lb	646	144	S
100,000 lb or more	407	S	84
SCTG 36, Motorized and other vehicles (including parts)	67 636	9 550	4 659
Less than 50 lb	5 418	240	62
50 to 99 lb	1 596	124	28
100 to 499 lb	5 299	425	124
500 to 749 lb	1 519	123	54
750 to 999 lb	786	110	33
1,000 to 9,999 lb	15 991	1 955	789
10,000 to 49,999 lb	29 690	5 197	2 689
50,000 to 99,999 lb	S	732	411
100,000 lb or more	S	644	S
SCTG 37, Transportation equipment, n.e.c.	15 188	921	625
Less than 50 lb	3 485	9	7
50 to 99 lb	1 204	4	3
100 to 499 lb	1 459	17	15
500 to 749 lb	613	7	6
750 to 999 lb	240	7	6
1,000 to 9,999 lb	4 519	143	87
10,000 to 49,999 lb	2 998	285	170
50,000 to 99,999 lb	S	S	S
100,000 lb or more	363	279	211
SCTG 38, Precision instruments and apparatus	21 224	764	524
Less than 50 lb	8 108	63	45
50 to 99 lb	1 854	23	16
100 to 499 lb	4 600	92	50
500 to 749 lb	836	25	14
750 to 999 lb	400	23	15
1,000 to 9,999 lb	4 088	204	202
10,000 to 49,999 lb	1 311	S	171
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	19 458	4 115	2 130
Less than 50 lb	889	44	28
50 to 99 lb	668	57	33
100 to 499 lb	4 013	492	266
500 to 749 lb	1 364	204	108
750 to 999 lb	842	151	84
1,000 to 9,999 lb	7 499	1 716	824
10,000 to 49,999 lb	3 958	1 406	769
50,000 to 99,999 lb	201	38	S
100,000 lb or more	23	S	S
SCTG 40, Miscellaneous manufactured products	53 033	20 925	5 686
Less than 50 lb	12 506	278	159
50 to 99 lb	2 650	143	65
100 to 499 lb	6 363	579	230
500 to 749 lb	1 829	211	98
750 to 999 lb	1 299	182	89
1,000 to 9,999 lb	9 645	2 702	825
10,000 to 49,999 lb	17 200	12 310	3 222
50,000 to 99,999 lb	1 079	3 497	596
100,000 lb or more	S	1 022	402

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	3 831	19 692	5 438
Less than 50 lb	S	S	—
50 to 99 lb	S	S	S
100 to 499 lb	S	—	—
500 to 749 lb	S	S	—
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	468	16
10,000 to 49,999 lb	2 627	12 095	2 991
50,000 to 99,999 lb	186	1 450	286
100,000 lb or more	633	5 674	2 145
SCTG 43, Mixed freight	58 371	25 455	3 007
Less than 50 lb	1 703	82	S
50 to 99 lb	646	79	S
100 to 499 lb	1 842	492	57
500 to 749 lb	920	320	33
750 to 999 lb	751	286	34
1,000 to 9,999 lb	11 189	4 827	752
10,000 to 49,999 lb	40 600	18 977	2 072
50,000 to 99,999 lb	224	152	S
100,000 lb or more	S	240	S
Commodity unknown	5 234	3 274	756
Less than 50 lb	324	8	3
50 to 99 lb	116	10	4
100 to 499 lb	429	56	24
500 to 749 lb	S	30	7
750 to 999 lb	121	27	6
1,000 to 9,999 lb	875	323	65
10,000 to 49,999 lb	2 785	1 669	377
50,000 to 99,999 lb	286	872	88
100,000 lb or more	S	279	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 074 991	1 810 297	320 689	421	328 492	1 048 486	22 887	103 185	210 595	19 335
Less than 50 lb	108 425	2 856	1 137	546	28 619	1 305	25	7 329	232	22
50 to 99 lb	33 900	2 238	569	255	11 558	1 275	26	2 348	227	21
100 to 499 lb	100 625	14 048	2 787	202	38 588	8 942	180	8 492	1 470	133
500 to 749 lb	30 678	6 548	1 336	204	10 669	4 016	87	2 532	713	65
750 to 999 lb	21 176	5 491	1 094	199	6 985	3 352	70	2 116	587	54
1,000 to 9,999 lb	254 492	87 832	17 397	193	75 826	49 596	1 006	31 742	9 977	921
10,000 to 49,999 lb	426 057	824 853	119 628	148	114 966	528 927	10 223	37 423	86 422	7 835
50,000 to 99,999 lb	51 773	383 928	27 553	71	28 138	260 992	6 162	8 432	77 425	6 599
100,000 lb or more	47 865	482 504	149 189	387	13 144	190 081	5 108	2 771	33 543	3 687
SCTG 01, Live animals and live fish	664	S	192	445	139	S	S	102	S	S
Less than 50 lb	10	1	S	694	2	S	S	S	S	S
50 to 99 lb	S	S	S	192	S	S	S	S	S	S
100 to 499 lb	S	S	S	224	S	S	S	S	S	S
500 to 749 lb	S	S	S	70	S	S	S	S	S	S
750 to 999 lb	S	S	S	529	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	109	S	23	S	S	S	S
10,000 to 49,999 lb	S	S	128	S	S	S	S	66	S	S
50,000 to 99,999 lb	45	34	19	587	S	S	S	S	S	S
100,000 lb or more	S	S	37	786	—	—	—	—	—	—
SCTG 02, Cereal grains	1 739	11 957	S	118	548	4 414	144	224	1 872	175
Less than 50 lb	S	S	S	522	S	S	S	S	S	S
50 to 99 lb	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	11	S	24	S	10	—	S	S	S
500 to 749 lb	2	6	S	76	S	4	S	S	S	S
750 to 999 lb	S	4	S	112	S	S	S	S	S	S
1,000 to 9,999 lb	50	173	8	55	42	142	3	4	15	2
10,000 to 49,999 lb	185	1 385	134	84	96	701	24	50	384	35
50,000 to 99,999 lb	394	3 382	262	78	202	1 790	65	126	1 065	94
100,000 lb or more	S	6 996	S	562	S	S	S	S	S	S
SCTG 03, Other agricultural products	14 751	18 154	5 353	288	5 529	7 674	217	1 755	2 602	253
Less than 50 lb	727	110	S	399	S	63	1	S	S	S
50 to 99 lb	291	62	9	S	211	50	1	S	S	S
100 to 499 lb	788	411	52	136	518	320	5	59	41	S
500 to 749 lb	376	232	29	126	175	154	3	44	S	S
750 to 999 lb	266	235	23	97	160	154	2	43	S	S
1,000 to 9,999 lb	3 007	3 086	548	134	1 411	1 588	25	405	495	47
10,000 to 49,999 lb	6 890	8 604	2 911	339	1 915	2 957	77	807	976	94
50,000 to 99,999 lb	1 091	3 022	377	118	555	1 962	S	137	505	44
100,000 lb or more	1 315	2 391	1 357	492	100	426	S	161	474	54
SCTG 04, Animal feed and products of animal origin, n.e.c.	7 577	29 312	3 190	66	4 204	20 402	588	908	3 447	321
Less than 50 lb	S	S	1	S	S	S	S	S	S	S
50 to 99 lb	9	12	—	S	7	11	—	S	S	S
100 to 499 lb	94	139	6	34	45	119	1	S	S	S
500 to 749 lb	70	69	6	S	23	42	1	S	9	1
750 to 999 lb	49	43	4	89	21	28	S	S	3	—
1,000 to 9,999 lb	817	1 281	110	87	259	721	18	137	247	23
10,000 to 49,999 lb	5 245	21 402	1 974	86	3 108	15 351	435	610	2 570	236
50,000 to 99,999 lb	1 013	4 773	516	105	636	3 218	92	123	553	53
100,000 lb or more	244	1 578	574	490	71	898	40	S	59	7
SCTG 05, Meat, fish, seafood, and their preparations	27 745	13 895	5 070	157	7 385	3 369	94	2 820	1 485	144
Less than 50 lb	391	44	S	207	201	26	1	S	S	S
50 to 99 lb	620	97	10	S	355	59	1	S	S	S
100 to 499 lb	2 131	519	45	88	1 391	345	9	276	80	8
500 to 749 lb	715	210	23	112	409	119	3	106	39	4
750 to 999 lb	540	206	28	137	243	89	2	104	38	4
1,000 to 9,999 lb	7 515	3 184	847	223	1 885	883	23	1 022	541	52
10,000 to 49,999 lb	14 937	8 815	3 835	423	2 546	1 522	44	1 140	734	72
50,000 to 99,999 lb	518	437	149	384	S	S	S	S	25	2
100,000 lb or more	377	382	125	342	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	12 315	9 102	2 580	90	3 910	2 524	78	2 038	2 009	183
Less than 50 lb	287	76	6	S	198	55	2	30	9	1
50 to 99 lb	219	71	5	S	156	48	1	31	15	1
100 to 499 lb	1 073	348	21	56	833	253	6	134	54	4
500 to 749 lb	414	153	13	86	251	88	2	S	40	4
750 to 999 lb	323	124	18	148	193	67	2	45	22	2
1,000 to 9,999 lb	2 413	1 395	300	189	761	426	13	498	296	27
10,000 to 49,999 lb	7 001	6 210	2 123	337	1 179	1 267	43	1 004	1 328	124
50,000 to 99,999 lb	179	554	77	137	71	241	8	49	171	15
100,000 lb or more	S	171	18	234	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	45 435	60 353	13 373	82	18 730	26 726	665	5 786	9 693	871
Less than 50 lb	498	121	12	160	368	102	2	39	7	1
50 to 99 lb	543	272	16	S	408	230	5	64	26	S
100 to 499 lb	3 066	2 409	111	45	2 425	2 036	43	282	271	23
500 to 749 lb	1 098	1 063	49	45	840	923	23	109	83	7
750 to 999 lb	853	857	38	44	600	732	16	103	64	6
1,000 to 9,999 lb	9 136	8 933	886	83	4 902	6 588	139	1 060	725	65
10,000 to 49,999 lb	26 887	38 313	8 570	213	8 236	13 751	373	3 906	7 849	704
50,000 to 99,999 lb	1 101	2 958	S	126	542	1 433	28	152	402	33
100,000 lb or more	2 254	5 428	3 302	527	410	931	35	71	266	30
SCTG 08, Alcoholic beverages	14 271	13 031	1 846	31	9 873	7 846	151	959	599	52
Less than 50 lb	218	40	1	36	178	33	1	28	4	—
50 to 99 lb	255	82	3	31	204	72	1	27	7	1
100 to 499 lb	2 052	1 129	30	27	1 798	1 047	21	184	60	5
500 to 749 lb	996	658	17	26	879	611	12	85	34	3
750 to 999 lb	744	570	14	24	698	546	11	34	18	1
1,000 to 9,999 lb	5 087	4 105	104	25	4 513	3 863	75	363	172	15
10,000 to 49,999 lb	4 093	5 186	1 481	231	1 366	1 271	25	199	236	20
50,000 to 99,999 lb	661	1 033	147	137	229	340	4	S	S	6
100,000 lb or more	S	S	S	284	S	S	S	—	—	—
SCTG 09, Tobacco products	29 222	2 579	661	698	10 834	1 849	S	688	71	7
Less than 50 lb	545	15	6	919	279	8	—	63	2	—
50 to 99 lb	363	13	1	101	269	10	—	56	1	—
100 to 499 lb	1 251	51	9	150	669	25	1	268	10	1
500 to 749 lb	248	15	4	222	80	7	S	55	3	—
750 to 999 lb	94	6	2	274	S	S	—	S	1	—
1,000 to 9,999 lb	710	54	19	330	S	18	1	57	7	1
10,000 to 49,999 lb	25 847	2 393	592	S	9 221	S	S	173	48	5
50,000 to 99,999 lb	S	S	S	285	—	—	—	—	—	—
100,000 lb or more	S	S	S	1 026	—	—	—	—	—	—
SCTG 10, Monumental or building stone	403	4 490	241	134	177	3 858	33	28	126	S
Less than 50 lb	S	S	S	300	—	—	S	S	S	S
50 to 99 lb	2	—	S	235	1	—	—	S	—	S
100 to 499 lb	24	9	1	142	S	5	S	S	S	S
500 to 749 lb	10	5	1	235	4	3	S	S	S	S
750 to 999 lb	4	S	1	291	S	S	S	S	S	S
1,000 to 9,999 lb	94	111	24	196	S	57	1	S	9	1
10,000 to 49,999 lb	259	3 434	180	S	S	3 001	26	S	59	6
50,000 to 99,999 lb	S	S	S	S	2	103	1	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	—	—	—
SCTG 11, Natural sands	801	74 591	3 807	45	464	56 764	1 303	104	13 274	1 217
Less than 50 lb	S	S	S	8	S	S	S	—	—	—
50 to 99 lb	—	—	S	360	S	S	S	—	—	—
100 to 499 lb	S	6	—	34	S	5	—	S	1	—
500 to 749 lb	1	5	S	41	1	4	S	S	S	S
750 to 999 lb	S	1	—	24	S	1	—	S	S	S
1,000 to 9,999 lb	32	515	18	S	26	463	8	S	S	S
10,000 to 49,999 lb	509	33 387	1 494	39	317	26 922	576	48	4 473	411
50,000 to 99,999 lb	119	24 061	1 320	56	78	16 342	520	30	6 856	616
100,000 lb or more	131	16 614	975	113	34	S	199	22	1 901	186
SCTG 12, Gravel and crushed stone	2 446	370 160	18 104	41	2 093	322 578	5 139	127	16 498	1 585
Less than 50 lb	S	S	S	13	S	S	S	—	—	—
50 to 99 lb	S	S	S	11	S	S	—	—	—	—
100 to 499 lb	—	5	—	S	—	5	—	S	S	S
500 to 749 lb	—	4	—	S	—	4	—	—	—	—
750 to 999 lb	—	6	S	23	—	5	S	—	—	—
1,000 to 9,999 lb	26	1 457	48	32	23	1 354	16	1	17	2
10,000 to 49,999 lb	1 771	261 390	9 965	38	1 577	236 842	3 674	71	9 848	868
50,000 to 99,999 lb	435	69 496	3 285	49	370	62 885	935	29	2 762	241
100,000 lb or more	215	37 802	4 806	169	122	21 482	514	26	3 871	474
SCTG 13, Nonmetallic minerals n.e.c.	3 087	46 734	13 492	219	761	29 757	918	150	1 637	173
Less than 50 lb	S	1	S	375	S	—	—	S	S	S
50 to 99 lb	S	3	S	232	1	1	—	S	S	S
100 to 499 lb	S	28	S	159	S	18	S	S	1	—
500 to 749 lb	28	S	S	237	S	2	—	S	S	S
750 to 999 lb	S	6	S	101	S	3	—	S	S	S
1,000 to 9,999 lb	267	711	79	125	86	420	11	S	S	S
10,000 to 49,999 lb	1 296	12 785	2 536	191	206	7 847	142	64	684	64
50,000 to 99,999 lb	158	3 547	479	132	26	2 057	41	18	S	241
100,000 lb or more	1 240	29 640	10 387	595	396	19 409	722	18	343	46

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	594	1 243	444	327	80	S	S	S	56	6
Less than 50 lb	4	—	S	507	2	S	S	S	S	S
50 to 99 lb	5	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	4	S	335	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	106	27	7	S	S	S	S	S	S	S
10,000 to 49,999 lb	252	339	165	476	21	68	2	S	S	S
50,000 to 99,999 lb	S	S	S	44	S	S	S	S	S	S
100,000 lb or more	56	443	252	586	1	29	1	1	43	5
SCTG 15, Coal	6 680	250 260	82 486	S	1 467	60 539	1 742	600	20 686	2 281
Less than 50 lb	S	S	S	3	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	424	—	—	—	—	—	—
500 to 749 lb	S	S	S	168	S	S	S	—	—	—
750 to 999 lb	S	S	S	258	S	S	S	—	—	—
1,000 to 9,999 lb	S	15	2	103	S	S	S	S	S	S
10,000 to 49,999 lb	40	1 531	85	55	29	1 170	27	S	S	S
50,000 to 99,999 lb	247	S	331	S	242	S	S	S	S	S
100,000 lb or more	6 387	236 523	82 067	132	1 191	47 330	1 410	594	20 478	2 256
SCTG 17, Gasoline and aviation turbine fuel	29 314	119 799	7 421	55	21 352	84 260	1 688	4 139	18 309	1 602
Less than 50 lb	S	1	—	S	S	1	—	—	—	—
50 to 99 lb	S	2	—	S	S	2	—	—	—	—
100 to 499 lb	14	26	—	10	14	26	—	—	—	—
500 to 749 lb	6	24	—	15	6	24	—	S	S	S
750 to 999 lb	9	23	—	19	9	23	—	—	—	—
1,000 to 9,999 lb	1 379	2 824	125	35	1 068	2 219	38	203	321	28
10,000 to 49,999 lb	5 893	25 617	1 981	74	3 851	15 855	279	804	3 833	349
50,000 to 99,999 lb	20 052	80 138	4 844	60	14 899	57 314	1 294	3 054	13 263	1 120
100,000 lb or more	1 955	11 145	S	34	1 500	8 796	76	78	S	S
SCTG 18, Fuel oils	10 516	53 124	2 972	33	7 800	38 374	617	1 345	7 309	626
Less than 50 lb	S	2	—	12	S	2	—	—	—	—
50 to 99 lb	3	4	—	S	3	4	—	S	S	S
100 to 499 lb	72	109	2	16	71	107	2	S	S	S
500 to 749 lb	51	150	2	17	51	149	2	S	S	S
750 to 999 lb	49	179	3	14	49	179	2	—	—	—
1,000 to 9,999 lb	1 193	4 141	147	25	987	3 594	56	82	S	S
10,000 to 49,999 lb	2 415	12 099	809	60	1 705	8 260	153	368	1 934	175
50,000 to 99,999 lb	4 972	27 652	1 725	62	3 401	18 712	347	836	4 797	404
100,000 lb or more	S	S	284	54	S	S	54	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	5 358	27 834	4 175	63	2 661	17 507	387	704	2 176	193
Less than 50 lb	66	16	1	88	49	13	—	7	1	—
50 to 99 lb	55	21	1	38	44	18	—	6	2	—
100 to 499 lb	480	285	16	56	316	237	4	92	31	3
500 to 749 lb	157	187	6	S	116	174	3	S	9	1
750 to 999 lb	200	196	12	60	128	152	3	42	29	3
1,000 to 9,999 lb	1 089	1 664	85	54	705	1 325	25	195	214	19
10,000 to 49,999 lb	2 017	14 360	1 205	80	717	9 976	240	252	1 280	114
50,000 to 99,999 lb	817	5 541	461	85	481	3 352	68	90	599	52
100,000 lb or more	477	5 565	S	253	S	2 260	S	S	S	S
SCTG 20, Basic chemicals ..	18 098	23 748	8 568	247	3 216	6 554	153	1 721	3 692	372
Less than 50 lb	360	20	5	406	198	13	—	17	S	S
50 to 99 lb	96	19	3	173	37	14	S	5	1	—
100 to 499 lb	607	247	19	69	263	205	4	54	11	1
500 to 749 lb	292	101	15	151	105	73	2	19	7	1
750 to 999 lb	172	88	10	112	54	65	1	16	6	1
1,000 to 9,999 lb	2 907	1 476	275	187	691	726	19	473	261	24
10,000 to 49,999 lb	9 757	12 890	3 824	297	1 276	3 274	89	819	2 180	217
50,000 to 99,999 lb	291	1 162	189	147	83	440	11	S	S	S
100,000 lb or more	3 617	7 746	4 227	694	510	1 744	27	S	843	88
SCTG 21, Pharmaceutical products	46 708	3 412	2 408	821	10 999	525	11	3 997	257	26
Less than 50 lb	12 423	111	63	850	1 406	21	1	1 045	13	1
50 to 99 lb	2 147	45	14	331	562	15	—	253	6	1
100 to 499 lb	6 067	189	99	542	1 028	43	—	877	35	3
500 to 749 lb	1 419	58	40	722	148	7	—	S	7	1
750 to 999 lb	752	46	20	422	134	5	—	S	6	1
1,000 to 9,999 lb	10 669	390	178	490	2 148	72	2	885	58	6
10,000 to 49,999 lb	13 209	2 553	S	734	5 565	S	6	598	131	14
50,000 to 99,999 lb	S	S	S	495	S	S	S	S	S	S
100,000 lb or more	S	S	S	59	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	7 029	70 170	12 166	94	4 297	56 048	1 732	505	2 056	200
Less than 50 lb	S	S	S	80	S	S	S	S	S	S
50 to 99 lb	S	4	—	27	2	3	—	S	S	S
100 to 499 lb	56	36	S	49	S	25	—	S	S	S
500 to 749 lb	16	25	1	51	9	18	—	2	S	S
750 to 999 lb	15	20	1	60	9	15	—	S	S	S
1,000 to 9,999 lb	509	1 463	73	63	308	1 191	18	73	116	11
10,000 to 49,999 lb	1 563	8 741	1 096	104	748	5 010	106	263	1 271	119
50,000 to 99,999 lb	462	4 273	314	76	293	3 191	57	63	445	44
100,000 lb or more	4 317	55 596	10 677	636	2 856	46 591	1 549	34	203	24
SCTG 23, Chemical products and preparations, n.e.c.	29 746	17 415	7 482	375	8 299	4 478	110	2 177	1 667	160
Less than 50 lb	2 218	128	43	447	812	53	1	130	9	1
50 to 99 lb	930	89	22	250	402	50	1	39	5	—
100 to 499 lb	2 803	608	106	183	1 298	410	5	169	33	3
500 to 749 lb	1 037	226	57	246	349	111	2	77	17	2
750 to 999 lb	654	172	45	264	211	88	2	51	13	1
1,000 to 9,999 lb	6 248	2 063	751	349	1 533	700	18	496	215	20
10,000 to 49,999 lb	14 475	12 092	5 098	416	3 520	2 505	73	1 149	1 247	122
50,000 to 99,999 lb	250	389	113	S	69	126	2	48	74	7
100,000 lb or more	1 132	1 649	1 247	884	S	S	S	S	53	4
SCTG 24, Plastics and rubber	44 831	17 355	8 217	287	10 553	4 221	103	4 166	1 695	158
Less than 50 lb	2 684	138	40	318	1 044	72	1	268	15	1
50 to 99 lb	1 129	132	30	228	582	84	2	99	14	1
100 to 499 lb	4 784	817	162	194	2 299	485	10	617	121	11
500 to 749 lb	1 758	344	94	274	699	175	4	192	50	4
750 to 999 lb	1 158	221	65	292	380	91	2	200	46	4
1,000 to 9,999 lb	12 331	3 972	1 355	313	3 065	1 161	27	1 367	477	44
10,000 to 49,999 lb	19 517	9 954	5 161	507	2 291	1 790	52	1 330	824	79
50,000 to 99,999 lb	316	259	111	430	20	50	1	S	S	S
100,000 lb or more	1 154	1 517	1 199	819	173	312	4	S	S	S
SCTG 25, Logs and other wood in the rough	2 835	118 542	6 808	56	1 630	69 783	1 990	747	S	S
Less than 50 lb	S	S	S	193	S	S	S	—	—	—
50 to 99 lb	S	S	S	16	S	S	S	—	—	—
100 to 499 lb	S	1	S	256	S	1	—	—	—	—
500 to 749 lb	S	S	S	80	S	—	S	S	S	S
750 to 999 lb	S	S	S	696	S	S	S	—	—	—
1,000 to 9,999 lb	S	76	5	S	16	64	2	S	4	—
10,000 to 49,999 lb	1 153	40 602	2 296	54	637	24 758	702	289	12 955	1 038
50,000 to 99,999 lb	1 474	71 154	3 850	54	918	41 729	1 233	440	S	S
100,000 lb or more	137	6 701	655	S	56	3 231	53	14	867	75
SCTG 26, Wood products	24 018	80 147	14 305	252	7 317	33 546	1 094	3 689	18 074	1 662
Less than 50 lb	412	31	12	469	95	9	—	44	4	—
50 to 99 lb	218	32	7	221	78	14	—	26	5	—
100 to 499 lb	928	182	26	135	447	98	2	142	32	3
500 to 749 lb	526	120	17	140	261	69	2	113	21	2
750 to 999 lb	364	125	16	127	187	80	1	41	14	1
1,000 to 9,999 lb	4 184	3 206	320	109	2 195	2 140	48	646	464	43
10,000 to 49,999 lb	13 254	40 666	8 081	189	2 783	16 441	478	1 964	6 394	618
50,000 to 99,999 lb	2 376	26 791	2 883	102	711	12 142	473	639	S	S
100,000 lb or more	1 757	8 995	2 942	389	S	2 553	S	75	818	77
SCTG 27, Pulp, newsprint, paper, and paperboard	19 455	28 986	15 689	160	4 239	4 729	112	1 472	2 084	224
Less than 50 lb	204	31	3	116	132	23	—	19	2	—
50 to 99 lb	161	43	7	150	90	27	1	22	S	S
100 to 499 lb	901	329	38	114	549	228	5	166	49	4
500 to 749 lb	327	156	16	103	198	110	2	50	19	2
750 to 999 lb	221	112	12	106	143	79	2	29	13	1
1,000 to 9,999 lb	2 444	1 683	270	132	1 214	966	21	351	274	25
10,000 to 49,999 lb	10 028	14 888	8 102	519	1 278	1 914	41	560	1 002	101
50,000 to 99,999 lb	352	788	300	334	130	279	5	42	116	13
100,000 lb or more	4 817	10 957	6 941	659	506	1 103	34	232	601	77
SCTG 28, Paper or paperboard articles	16 529	13 513	4 723	207	4 527	3 507	93	1 856	1 921	180
Less than 50 lb	541	49	9	267	353	32	1	46	5	—
50 to 99 lb	287	60	9	150	160	39	1	41	8	1
100 to 499 lb	1 103	334	37	109	650	225	5	152	44	4
500 to 749 lb	404	157	22	141	203	90	2	44	18	2
750 to 999 lb	245	103	12	116	132	66	2	36	16	1
1,000 to 9,999 lb	3 232	2 295	408	163	1 379	1 101	27	525	439	41
10,000 to 49,999 lb	10 275	9 477	3 476	320	1 594	1 823	54	975	1 346	127
50,000 to 99,999 lb	126	223	56	244	S	S	1	S	S	S
100,000 lb or more	316	814	695	892	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	30 993	13 829	2 435	573	16 369	9 567	161	1 795	735	66
Less than 50 lb	5 115	221	117	672	1 896	95	1	207	12	1
50 to 99 lb	1 101	122	21	169	511	87	1	75	7	1
100 to 499 lb	4 447	699	138	210	2 683	525	8	235	34	3
500 to 749 lb	1 371	328	60	177	650	237	4	116	18	2
750 to 999 lb	858	231	31	136	452	177	3	55	9	1
1,000 to 9,999 lb	9 786	5 233	601	119	5 876	4 038	67	616	334	30
10,000 to 49,999 lb	7 570	6 358	1 439	186	3 632	3 890	73	474	278	25
50,000 to 99,999 lb	226	155	13	S	175	120	2	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	136 751	23 745	11 462	828	26 777	5 349	135	S	2 400	233
Less than 50 lb	7 930	245	198	881	719	28	1	364	11	1
50 to 99 lb	2 465	141	104	732	331	19	—	121	9	1
100 to 499 lb	7 621	733	489	668	1 323	133	3	454	52	5
500 to 749 lb	3 437	439	282	637	459	72	2	229	39	4
750 to 999 lb	3 100	360	244	677	393	57	1	216	25	2
1,000 to 9,999 lb	56 409	5 415	2 845	576	10 812	1 081	29	S	586	56
10,000 to 49,999 lb	53 197	15 009	6 327	421	11 890	3 695	92	5 111	1 547	150
50,000 to 99,999 lb	1 817	657	240	344	538	155	3	99	94	9
100,000 lb or more	776	745	734	883	311	109	S	S	S	S
SCTG 31, Nonmetallic mineral products	18 460	153 398	13 791	244	7 831	111 637	2 056	1 740	15 554	1 406
Less than 50 lb	562	31	13	665	155	14	—	33	3	—
50 to 99 lb	266	40	6	163	127	24	—	39	8	—
100 to 499 lb	902	216	39	167	420	138	2	70	21	2
500 to 749 lb	248	94	18	195	100	57	1	20	10	1
750 to 999 lb	224	117	18	156	75	83	1	8	7	1
1,000 to 9,999 lb	3 429	5 365	393	84	1 186	4 446	73	172	348	32
10,000 to 49,999 lb	10 235	109 917	8 575	69	4 453	84 393	1 419	1 013	9 572	859
50,000 to 99,999 lb	2 003	28 581	2 578	92	934	16 785	463	382	5 412	498
100,000 lb or more	591	9 037	2 150	216	382	5 695	97	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	26 700	31 097	9 063	194	7 432	10 211	308	2 820	4 473	429
Less than 50 lb	660	30	7	273	256	18	—	42	3	—
50 to 99 lb	332	45	6	140	178	32	1	27	5	—
100 to 499 lb	1 475	352	38	112	831	239	5	188	47	4
500 to 749 lb	616	199	27	136	258	119	3	76	35	3
750 to 999 lb	529	203	24	115	228	124	3	84	39	4
1,000 to 9,999 lb	4 973	3 575	782	183	1 831	1 743	41	788	634	58
10,000 to 49,999 lb	15 381	19 839	5 432	267	3 276	6 066	213	1 428	3 292	317
50,000 to 99,999 lb	1 083	2 163	523	230	386	895	17	176	329	32
100,000 lb or more	1 650	4 690	2 224	491	188	974	25	11	89	10
SCTG 33, Articles of base metal	27 155	11 205	4 072	306	8 307	3 479	74	2 591	1 359	128
Less than 50 lb	4 517	154	45	316	1 588	81	1	438	11	1
50 to 99 lb	1 234	92	25	274	433	43	1	99	12	1
100 to 499 lb	3 752	483	123	255	1 470	258	6	317	54	5
500 to 749 lb	998	211	56	267	335	92	2	82	27	3
750 to 999 lb	934	182	62	338	225	77	2	85	18	2
1,000 to 9,999 lb	7 070	2 827	757	270	2 396	1 183	26	696	341	31
10,000 to 49,999 lb	8 130	6 353	2 538	406	1 757	406	32	782	737	69
50,000 to 99,999 lb	219	446	168	376	75	S	3	23	S	5
100,000 lb or more	302	458	S	846	S	S	S	S	S	S
SCTG 34, Machinery	56 387	5 458	2 904	265	11 473	1 295	30	5 472	470	44
Less than 50 lb	8 323	197	50	249	2 827	99	2	1 097	24	2
50 to 99 lb	2 816	128	37	295	987	55	1	276	13	1
100 to 499 lb	7 890	570	158	264	2 450	286	6	950	65	6
500 to 749 lb	2 373	176	74	418	452	64	2	121	17	2
750 to 999 lb	1 337	110	56	505	292	35	1	83	8	1
1,000 to 9,999 lb	12 643	1 317	687	517	2 148	347	7	689	120	11
10,000 to 49,999 lb	16 379	2 611	1 651	629	1 958	316	8	957	169	16
50,000 to 99,999 lb	S	281	152	596	S	87	S	S	46	4
100,000 lb or more	S	66	39	731	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	112 407	5 964	3 456	493	30 282	1 762	33	4 586	272	24
Less than 50 lb	27 166	293	131	507	7 142	133	2	1 451	18	2
50 to 99 lb	9 589	164	68	411	3 118	75	1	384	10	1
100 to 499 lb	22 029	608	245	399	7 856	273	4	726	43	4
500 to 749 lb	4 369	187	81	423	1 290	79	1	142	13	1
750 to 999 lb	3 017	149	65	433	755	53	1	108	S	S
1,000 to 9,999 lb	30 410	1 403	773	527	7 196	411	7	877	69	7
10,000 to 49,999 lb	14 772	2 568	1 921	710	2 487	326	7	893	97	8
50,000 to 99,999 lb	646	144	S	635	S	S	S	S	S	S
100,000 lb or more	407	S	84	S	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	67 636	9 550	4 659	246	15 560	2 602	73	3 940	562	50
Less than 50 lb	5 418	240	62	239	2 381	134	2	281	13	1
50 to 99 lb	1 596	124	28	220	618	66	2	187	14	1
100 to 499 lb	5 299	425	124	273	1 381	163	4	715	58	6
500 to 749 lb	1 519	123	54	428	438	39	1	146	11	1
750 to 999 lb	786	110	33	305	240	33	S	S	S	S
1,000 to 9,999 lb	15 991	1 955	789	376	3 708	573	16	1 133	149	15
10,000 to 49,999 lb	29 690	5 197	2 689	522	6 223	1 388	43	542	201	17
50,000 to 99,999 lb	S	732	411	536	S	S	1	60	22	2
100,000 lb or more	S	644	S	547	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	15 188	921	625	858	2 859	S	S	220	14	1
Less than 50 lb	3 485	9	7	870	302	S	S	23	—	—
50 to 99 lb	1 204	4	3	864	94	S	—	S	—	—
100 to 499 lb	1 459	17	15	894	159	1	S	S	—	—
500 to 749 lb	613	7	6	819	S	—	S	—	—	—
750 to 999 lb	240	7	6	904	S	—	S	S	S	S
1,000 to 9,999 lb	4 519	143	87	598	S	11	—	118	8	1
10,000 to 49,999 lb	2 998	285	170	645	518	S	S	23	4	—
50,000 to 99,999 lb	S	S	S	702	—	—	—	—	—	—
100,000 lb or more	363	279	211	784	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	21 224	764	524	713	4 212	125	3	839	S	S
Less than 50 lb	8 108	63	45	719	1 431	14	—	343	5	—
50 to 99 lb	1 854	23	16	652	319	5	—	56	1	—
100 to 499 lb	4 600	92	50	550	1 149	33	1	240	7	1
500 to 749 lb	836	25	14	534	261	9	—	S	S	S
750 to 999 lb	400	23	15	658	S	2	—	16	S	S
1,000 to 9,999 lb	4 088	204	202	733	826	47	1	114	10	1
10,000 to 49,999 lb	1 311	S	171	562	153	15	—	24	S	S
50,000 to 99,999 lb	S	S	S	266	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	19 458	4 115	2 130	533	4 529	748	18	1 437	402	36
Less than 50 lb	889	44	28	540	336	13	—	45	2	—
50 to 99 lb	668	57	33	561	207	15	—	49	4	—
100 to 499 lb	4 013	492	266	529	1 051	112	3	257	36	3
500 to 749 lb	1 364	204	108	534	320	43	1	97	18	2
750 to 999 lb	842	151	84	558	178	28	1	57	11	1
1,000 to 9,999 lb	7 499	1 716	824	468	1 653	344	8	584	166	15
10,000 to 49,999 lb	3 958	1 406	769	514	707	175	5	337	163	14
50,000 to 99,999 lb	201	38	S	331	S	S	S	S	S	S
100,000 lb or more	23	S	S	765	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	53 033	20 925	5 686	729	11 604	8 754	185	4 339	2 246	211
Less than 50 lb	12 506	278	159	785	2 760	82	2	808	22	2
50 to 99 lb	2 650	143	65	445	699	52	1	172	15	1
100 to 499 lb	6 363	579	230	408	2 053	237	5	423	56	6
500 to 749 lb	1 829	211	98	459	501	79	2	96	16	2
750 to 999 lb	1 299	182	89	487	325	63	1	53	12	1
1,000 to 9,999 lb	9 645	2 702	825	306	2 303	1 163	25	785	267	24
10,000 to 49,999 lb	17 200	12 310	3 222	264	2 602	5 518	98	1 812	1 037	99
50,000 to 99,999 lb	1 079	3 497	596	164	S	1 169	S	185	802	74
100,000 lb or more	S	1 022	402	509	S	S	S	S	S	S
SCTG 41, Waste and scrap .	3 831	19 692	5 438	181	1 311	5 998	143	339	2 734	269
Less than 50 lb	S	S	—	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	—	—
100 to 499 lb	S	—	—	287	S	—	S	S	S	S
500 to 749 lb	S	S	—	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	468	16	S	S	444	11	S	S	S
10,000 to 49,999 lb	2 627	12 095	2 991	227	727	4 054	99	271	1 933	187
50,000 to 99,999 lb	186	1 450	286	184	S	457	10	21	435	41
100,000 lb or more	633	5 674	2 145	357	S	S	S	S	S	40
SCTG 43, Mixed freight.....	58 371	25 455	3 007	161	25 860	12 801	396	9 603	4 578	431
Less than 50 lb	1 703	82	S	191	860	39	1	219	11	1
50 to 99 lb	646	79	S	154	305	41	1	54	9	1
100 to 499 lb	1 842	492	57	125	925	241	6	339	100	9
500 to 749 lb	920	320	33	103	455	148	5	215	84	7
750 to 999 lb	751	286	34	117	287	124	4	183	60	5
1,000 to 9,999 lb	11 189	4 827	752	151	4 273	1 812	54	2 619	1 117	106
10,000 to 49,999 lb	40 600	18 977	2 072	110	18 238	10 185	320	5 950	3 178	299
50,000 to 99,999 lb	224	152	S	94	S	S	1	S	S	S
100,000 lb or more	S	240	S	96	S	135	S	S	S	S

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	5 234	3 274	756	333	998	1 285	27	577	581	53
Less than 50 lb	324	8	3	339	83	3	—	S	1	—
50 to 99 lb	116	10	4	S	54	7	—	2	S	S
100 to 499 lb	429	56	24	387	110	22	—	34	S	S
500 to 749 lb	S	30	7	220	S	S	S	S	S	S
750 to 999 lb	121	27	6	237	S	17	—	S	S	S
1,000 to 9,999 lb	875	323	65	205	227	123	2	S	64	6
10,000 to 49,999 lb	2 785	1 669	377	205	361	552	13	260	296	28
50,000 to 99,999 lb	286	872	88	95	83	S	9	S	S	S
100,000 lb or more	S	279	S	533	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	191 386	254 719	60 469	173 276	186 147	91 086	122 455	56 510	46 866	56 123	26 952	30 039
Less than 50 lb	15 015	354	73	14 483	301	138	13 109	237	177	9 261	155	162
50 to 99 lb	4 592	247	49	3 828	167	77	4 276	137	102	2 525	73	76
100 to 499 lb	12 715	1 296	256	13 274	857	387	10 428	656	489	5 871	311	326
500 to 749 lb	4 371	673	131	4 307	448	200	4 014	321	238	1 538	139	144
750 to 999 lb	2 726	599	116	3 098	359	161	2 379	277	204	1 980	143	147
1,000 to 9,999 lb	46 428	12 803	2 501	41 781	6 871	3 080	27 590	4 338	3 227	10 944	1 670	1 737
10,000 to 49,999 lb	89 464	99 874	19 829	78 813	57 372	25 545	53 917	28 358	21 049	19 780	12 605	13 213
50,000 to 99,999 lb	6 564	32 715	6 124	4 175	7 922	3 500	2 001	2 197	1 652	643	1 416	1 572
100,000 lb or more	9 511	106 159	31 389	9 517	111 849	57 997	4 743	19 989	19 727	3 583	10 438	12 662
SCTG 01, Live animals and live fish	S	S	S	95	S	S	S	S	S	S	S	S
Less than 50 lb	S	—	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	1	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	1	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	50	31	13	S	S	S	—	—	—
50,000 to 99,999 lb	S	10	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 02, Cereal grains	216	1 746	384	64	549	240	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	36	278	52	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	64	513	84	S	S	S	—	—	—	—	—	—
100,000 lb or more	112	937	245	62	526	231	S	S	S	S	S	S
SCTG 03, Other agricultural products	3 669	3 013	608	1 533	1 848	849	741	944	739	547	S	S
Less than 50 lb	13	S	S	17	S	S	19	S	S	36	S	S
50 to 99 lb	S	S	S	2	S	S	6	1	1	14	2	2
100 to 499 lb	42	19	4	14	4	2	18	4	3	32	5	6
500 to 749 lb	22	15	3	10	4	2	S	S	S	6	2	2
750 to 999 lb	34	22	4	S	S	S	3	1	1	S	S	S
1,000 to 9,999 lb	576	563	103	245	209	94	94	76	54	60	37	40
10,000 to 49,999 lb	2 243	1 665	334	933	1 377	627	449	647	495	183	404	429
50,000 to 99,999 lb	285	356	72	S	70	29	S	S	S	S	S	S
100,000 lb or more	442	370	87	249	178	93	S	174	158	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	1 216	2 935	592	648	1 464	632	276	643	476	S	274	312
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	314	272	49	S	34	15	S	S	S	S	S	S
10,000 to 49,999 lb	672	1 881	378	474	1 090	458	143	345	247	S	118	127
50,000 to 99,999 lb	142	634	126	48	191	83	55	142	107	4	10	11
100,000 lb or more	S	112	S	44	144	74	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	6 047	3 300	678	5 493	3 013	1 306	3 249	1 579	1 175	1 034	354	362
Less than 50 lb	38	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	61	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	277	74	12	S	S	S	13	2	2	S	1	1
500 to 749 lb	145	41	7	27	7	3	5	1	S	6	1	1
750 to 999 lb	131	62	11	30	11	4	7	2	S	S	S	S
1,000 to 9,999 lb	1 991	928	183	1 035	468	200	703	200	149	356	68	69
10,000 to 49,999 lb	3 238	1 983	424	4 011	2 344	1 028	2 429	1 339	997	635	274	282
50,000 to 99,999 lb	138	127	24	S	S	S	S	30	21	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	2 254	1 879	372	1 914	1 373	620	1 356	817	607	471	279	278
Less than 50 lb	S	S	S	12	1	1	2	S	S	2	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	S	S	S
100 to 499 lb	92	36	6	2	1	—	5	2	2	5	1	1
500 to 749 lb	34	19	3	11	5	2	1	1	—	S	S	S
750 to 999 lb	51	20	3	S	S	S	6	2	2	S	S	S
1,000 to 9,999 lb	593	371	68	320	189	82	162	76	54	42	21	21
10,000 to 49,999 lb	1 394	1 324	269	1 519	1 137	512	1 169	704	526	416	250	249
50,000 to 99,999 lb	23	90	18	S	16	7	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	8 801	11 756	2 271	5 371	5 758	2 545	2 973	2 693	2 041	1 579	1 420	1 460
Less than 50 lb	27	4	1	19	3	1	9	1	1	S	2	2
50 to 99 lb	25	7	1	13	2	1	S	S	S	S	S	S
100 to 499 lb	201	66	12	63	14	6	35	8	6	S	S	S
500 to 749 lb	92	42	8	25	7	3	14	3	2	10	2	2
750 to 999 lb	108	51	9	28	7	3	9	2	1	S	S	S
1,000 to 9,999 lb	1 831	1 040	204	677	290	119	341	137	100	134	57	61
10,000 to 49,999 lb	6 003	9 181	1 766	3 869	3 840	1 634	2 161	1 695	1 251	1 237	1 004	1 032
50,000 to 99,999 lb	S	S	S	36	92	36	S	S	S	S	S	S
100,000 lb or more	223	447	118	643	1 504	742	S	S	S	S	S	S
SCTG 08, Alcoholic beverages	1 819	2 258	472	1 303	1 895	793	216	333	245	55	59	65
Less than 50 lb	13	2	—	S	S	S	S	S	S	—	—	—
50 to 99 lb	23	3	1	S	S	S	S	S	S	—	—	—
100 to 499 lb	69	21	3	S	S	S	—	—	—	—	—	—
500 to 749 lb	31	13	2	S	S	S	—	—	—	—	—	—
750 to 999 lb	13	7	1	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	197	65	10	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	1 105	1 591	348	1 109	1 656	710	214	332	245	55	59	65
50,000 to 99,999 lb	301	488	89	92	137	49	—	—	—	—	—	—
100,000 lb or more	S	68	17	S	S	S	—	—	—	—	—	—
SCTG 09, Tobacco products	1 459	131	26	6 043	206	98	4 092	130	97	1 537	48	51
Less than 50 lb	14	—	—	11	—	—	S	—	—	45	1	2
50 to 99 lb	22	1	—	7	—	—	4	—	—	2	—	—
100 to 499 lb	170	8	2	68	4	2	43	2	2	21	1	1
500 to 749 lb	50	2	—	12	1	—	24	1	1	S	1	1
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	71	10	2	52	4	2	176	11	8	44	3	3
10,000 to 49,999 lb	992	87	18	5 886	195	94	3 818	114	84	1 400	41	44
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	275	63	52	144	61	36	67	47	8	15	16
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	23	23	5	S	11	6	9	7	5	4	3	3
10,000 to 49,999 lb	S	S	44	36	131	54	25	52	36	4	12	13
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 11, Natural sands	81	3 688	711	72	621	299	25	71	48	39	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	—	—	—	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	1	S	S	S	S	2	2	S	S	S
10,000 to 49,999 lb	47	1 680	290	42	179	84	24	55	37	23	57	57
50,000 to 99,999 lb	9	719	117	2	S	S	S	S	S	—	—	—
100,000 lb or more	25	1 285	304	S	295	147	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	159	21 000	4 423	40	6 432	2 823	6	S	S	17	2 683	3 051
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	1	67	12	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	88	10 137	1 793	18	S	S	2	83	62	12	1 874	2 138
50,000 to 99,999 lb	22	1 954	351	7	S	S	S	S	S	4	753	848
100,000 lb or more	48	8 841	2 268	15	S	S	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	736	5 102	1 143	537	2 793	1 409	347	2 029	1 758	227	2 512	3 067
Less than 50 lb	1	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	86	133	26	14	30	12	S	8	6	2	3	3
10,000 to 49,999 lb	327	1 531	343	S	1 316	600	171	816	621	91	383	398
50,000 to 99,999 lb	84	705	156	S	183	86	10	48	43	S	S	S
100,000 lb or more	216	2 722	614	103	1 259	709	142	1 151	1 083	127	2 113	2 652

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	141	238	54	125	148	74	62	187	S	S	50	54
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	98	73	17	80	81	39	15	S	S	S	39	38
50,000 to 99,999 lb	3	23	5	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	138	32	S	63	34	S	127	S	S	S	S
SCTG 15, Coal	1 891	72 655	23 548	2 512	88 649	45 500	190	7 028	8 391	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	8	261	46	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	1 881	72 338	23 488	2 512	88 645	45 498	190	7 028	8 391	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	3 088	13 841	2 477	603	2 796	1 238	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	103	271	53	S	14	6	—	—	—	—	—	—
10,000 to 49,999 lb	1 084	5 196	964	106	508	214	S	S	S	S	S	S
50,000 to 99,999 lb	1 622	7 313	1 351	394	1 879	836	S	S	S	—	—	—
100,000 lb or more	S	1 062	109	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	1 193	6 481	1 266	170	928	426	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	282	1 576	316	56	310	S	—	—	—	S	S	S
50,000 to 99,999 lb	633	3 572	708	102	568	260	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	1 066	4 233	831	632	3 537	S	146	167	127	109	S	S
Less than 50 lb	3	—	—	1	—	—	3	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	23	8	1	19	4	2	S	3	2	5	1	1
500 to 749 lb	S	2	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	10	7	1	5	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	91	83	15	67	31	13	15	6	4	7	S	S
10,000 to 49,999 lb	649	2 289	435	289	667	296	88	119	86	S	S	S
50,000 to 99,999 lb	212	1 491	281	27	91	41	—	—	—	—	—	—
100,000 lb or more	S	S	S	214	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	4 520	6 604	1 430	3 142	2 865	1 460	2 366	1 725	1 352	1 577	1 245	1 532
Less than 50 lb	36	1	—	18	1	—	26	1	1	17	—	—
50 to 99 lb	6	1	—	8	S	S	12	—	—	S	—	S
100 to 499 lb	73	17	3	84	8	3	79	4	3	21	1	1
500 to 749 lb	34	5	1	S	S	S	54	2	2	8	S	S
750 to 999 lb	20	6	1	35	7	3	13	2	1	18	1	1
1,000 to 9,999 lb	509	249	48	607	102	45	303	75	55	134	35	38
10,000 to 49,999 lb	3 106	4 155	837	1 738	1 462	659	1 243	811	588	831	585	609
50,000 to 99,999 lb	47	225	55	35	67	33	S	22	S	12	S	S
100,000 lb or more	687	1 944	485	560	1 207	712	619	808	685	521	606	866
SCTG 21, Pharmaceutical products	11 424	470	98	8 523	801	387	4 521	685	520	2 528	162	166
Less than 50 lb	2 660	24	5	1 579	15	7	1 480	11	8	1 785	11	12
50 to 99 lb	962	14	3	160	4	2	57	1	1	81	1	1
100 to 499 lb	1 335	41	9	1 720	14	6	166	7	5	S	8	8
500 to 749 lb	S	13	3	257	7	3	37	3	2	6	S	S
750 to 999 lb	119	14	3	77	10	4	S	2	1	S	S	S
1,000 to 9,999 lb	3 971	112	20	1 916	35	17	1 118	53	37	200	14	15
10,000 to 49,999 lb	1 826	252	57	2 804	707	344	1 629	S	S	82	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	588	2 672	565	471	3 024	1 533	355	2 078	1 868	346	1 929	2 293
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	S	S	S
100 to 499 lb	2	1	—	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	3	1	S	S	S	S	S	S	S	S	S
750 to 999 lb	3	2	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	94	124	24	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	323	1 555	304	145	583	244	49	210	155	24	78	81
50,000 to 99,999 lb	61	380	74	26	180	72	S	54	44	S	S	S
100,000 lb or more	S	606	162	273	2 235	1 205	286	1 808	1 663	316	1 828	2 189
SCTG 23, Chemical products and preparations, n.e.c.	5 192	4 116	871	5 532	2 861	1 309	4 658	2 275	1 727	1 641	894	953
Less than 50 lb	327	19	4	409	23	10	185	11	7	95	4	4
50 to 99 lb	157	12	3	127	9	4	87	7	5	38	2	2
100 to 499 lb	328	50	10	455	59	27	278	32	23	95	10	11
500 to 749 lb	213	43	9	158	24	11	155	16	12	31	7	7
750 to 999 lb	115	24	5	98	17	7	122	14	10	35	11	11
1,000 to 9,999 lb	966	401	84	1 439	324	147	908	203	151	429	122	127
10,000 to 49,999 lb	2 665	3 295	696	2 552	2 134	941	2 770	1 792	1 346	789	505	511
50,000 to 99,999 lb	44	89	16	19	28	15	S	S	S	S	S	S
100,000 lb or more	378	183	45	274	242	147	113	140	125	123	232	278
SCTG 24, Plastics and rubber.....	7 666	3 343	727	9 617	3 639	1 713	5 898	2 042	1 560	2 655	1 000	1 059
Less than 50 lb	391	17	3	294	11	5	246	9	7	147	6	7
50 to 99 lb	89	11	2	106	5	3	114	8	6	53	4	4
100 to 499 lb	587	85	17	405	40	18	410	40	30	137	17	18
500 to 749 lb	223	43	8	220	28	13	131	17	13	108	11	12
750 to 999 lb	135	28	6	174	24	11	101	12	9	64	6	6
1,000 to 9,999 lb	2 629	966	194	2 385	660	293	1 428	356	266	574	152	160
10,000 to 49,999 lb	3 512	2 075	464	5 749	2 562	1 191	3 289	1 353	1 024	1 203	472	487
50,000 to 99,999 lb	59	S	S	S	22	10	27	25	19	S	S	S
100,000 lb or more	42	67	21	232	287	170	152	223	186	S	318	352
SCTG 25, Logs and other wood in the rough	336	7 418	1 245	83	S	S	22	82	66	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	S	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	2	1	S	1	1	S	S	S
10,000 to 49,999 lb	174	S	41	174	68	68	8	58	44	1	S	S
50,000 to 99,999 lb	109	2 546	461	6	65	26	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	6	S	S	S	S	S
SCTG 26, Wood products ..	6 007	16 063	3 300	3 920	7 614	3 395	1 824	3 191	2 378	598	939	1 046
Less than 50 lb	81	6	1	66	4	2	53	3	2	24	1	1
50 to 99 lb	51	6	1	19	3	1	S	S	S	S	S	S
100 to 499 lb	185	32	6	83	13	5	33	4	3	26	3	3
500 to 749 lb	69	17	3	31	7	3	S	4	3	4	1	S
750 to 999 lb	69	19	3	36	7	3	12	2	2	4	1	1
1,000 to 9,999 lb	723	409	78	310	100	45	137	56	42	62	13	14
10,000 to 49,999 lb	3 936	9 391	1 902	2 826	5 608	2 425	1 129	1 995	1 425	284	436	448
50,000 to 99,999 lb	613	3 078	583	195	658	286	117	349	261	61	127	152
100,000 lb or more	279	3 106	722	355	1 215	625	288	775	639	124	357	425
SCTG 27, Pulp, newsprint, paper, and paperboard ...	3 461	5 526	1 315	3 880	6 359	3 284	3 443	5 485	4 473	1 891	3 258	3 571
Less than 50 lb	28	3	—	10	1	—	S	1	—	S	S	—
50 to 99 lb	24	4	1	8	1	—	6	1	—	S	—	—
100 to 499 lb	78	27	5	32	10	4	35	6	5	10	2	2
500 to 749 lb	50	17	3	15	4	2	6	2	2	5	S	S
750 to 999 lb	17	8	2	16	8	3	7	2	2	S	S	S
1,000 to 9,999 lb	298	191	38	210	104	46	247	100	74	68	32	33
10,000 to 49,999 lb	1 946	2 705	601	2 219	3 368	1 562	2 233	3 383	2 605	1 138	1 704	1 754
50,000 to 99,999 lb	20	64	15	67	124	74	S	127	101	S	76	87
100,000 lb or more	999	2 508	650	1 302	2 739	1 592	845	1 864	1 684	627	1 441	1 691
SCTG 28, Paper or paperboard articles	3 231	3 116	640	3 303	2 408	1 073	2 069	1 417	1 068	893	724	747
Less than 50 lb	57	5	1	32	3	1	21	2	1	14	1	1
50 to 99 lb	33	6	1	18	3	1	S	S	S	S	1	1
100 to 499 lb	146	37	7	73	14	6	33	6	4	21	3	3
500 to 749 lb	54	23	5	S	S	S	8	3	2	4	1	1
750 to 999 lb	37	13	2	25	4	2	10	2	1	4	1	1
1,000 to 9,999 lb	530	406	77	357	183	79	236	80	58	84	46	48
10,000 to 49,999 lb	2 329	2 534	528	2 623	1 841	797	1 578	1 090	802	739	587	600
50,000 to 99,999 lb	S	31	6	S	43	21	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	296	159	S	227	194	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	2 761	968	202	3 231	1 175	531	2 610	801	590	1 646	275	276
Less than 50 lb	530	21	5	626	21	10	460	19	15	431	19	19
50 to 99 lb	155	11	2	161	7	3	80	4	3	50	3	3
100 to 499 lb	298	33	7	369	35	16	309	27	20	97	11	11
500 to 749 lb	105	21	4	95	16	7	S	20	14	34	4	4
750 to 999 lb	54	11	2	95	17	7	45	7	5	S	6	6
1,000 to 9,999 lb	892	318	68	756	252	109	597	129	97	656	93	94
10,000 to 49,999 lb	704	485	103	1 127	826	378	848	592	434	232	135	134
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	27 887	5 179	1 061	22 968	4 545	2 117	17 795	2 918	2 164	6 825	1 049	1 087
Less than 50 lb	985	31	7	1 617	51	24	1 464	49	37	894	26	27
50 to 99 lb	330	18	4	499	26	12	500	29	22	215	13	14
100 to 499 lb	964	95	20	1 423	133	63	1 451	146	109	730	73	75
500 to 749 lb	440	54	12	868	90	42	576	88	66	316	37	37
750 to 999 lb	412	45	9	692	65	31	652	82	60	267	35	35
1,000 to 9,999 lb	11 236	911	181	7 524	1 047	494	6 436	957	706	2 272	272	281
10,000 to 49,999 lb	13 320	3 890	799	9 253	2 618	1 194	6 564	1 505	1 116	2 114	533	557
50,000 to 99,999 lb	122	49	10	S	S	S	99	37	29	S	S	S
100,000 lb or more	79	86	20	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	3 750	15 494	3 093	2 421	6 678	2 882	1 302	2 240	1 681	638	787	840
Less than 50 lb	59	3	1	116	3	1	67	2	2	34	2	2
50 to 99 lb	21	4	1	26	2	1	14	1	1	S	1	1
100 to 499 lb	137	25	5	73	10	5	61	8	6	64	8	8
500 to 749 lb	51	11	2	21	4	2	35	8	6	6	2	2
750 to 999 lb	57	11	2	17	3	1	14	4	3	S	S	S
1,000 to 9,999 lb	1 109	291	60	373	122	57	329	96	71	68	29	30
10,000 to 49,999 lb	1 760	8 563	1 750	519	4 935	2 121	717	1 332	982	377	611	641
50,000 to 99,999 lb	482	5 054	902	153	1 059	409	20	128	102	18	66	73
100,000 lb or more	74	1 531	371	47	539	284	46	662	509	5	62	78
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	5 454	6 619	1 430	5 908	5 576	2 583	2 964	2 740	2 071	1 074	953	1 079
Less than 50 lb	129	4	1	70	2	1	66	2	1	44	1	1
50 to 99 lb	18	3	1	26	2	1	36	2	1	S	S	S
100 to 499 lb	189	40	8	113	11	5	66	7	5	47	4	5
500 to 749 lb	89	26	5	64	9	4	24	4	3	S	2	2
750 to 999 lb	51	24	5	99	7	3	34	7	5	9	1	1
1,000 to 9,999 lb	838	557	104	730	266	118	420	168	125	119	77	84
10,000 to 49,999 lb	3 710	4 172	873	3 987	3 984	1 784	1 903	1 599	1 181	681	470	481
50,000 to 99,999 lb	139	306	74	308	234	92	64	S	S	S	S	S
100,000 lb or more	290	S	S	510	1 061	576	352	589	486	S	S	S
SCTG 33, Articles of base metal	4 492	2 080	419	5 111	2 233	1 002	3 037	1 018	749	1 584	437	447
Less than 50 lb	544	20	4	638	15	7	557	13	10	261	5	5
50 to 99 lb	172	16	3	176	8	3	141	5	4	65	4	4
100 to 499 lb	519	65	13	573	44	20	358	29	22	192	12	13
500 to 749 lb	159	36	7	167	27	12	126	14	10	55	6	6
750 to 999 lb	130	26	5	167	25	12	151	15	11	67	9	9
1,000 to 9,999 lb	1 314	563	112	1 190	353	162	743	186	140	408	105	105
10,000 to 49,999 lb	1 602	1 268	258	2 073	1 614	716	854	611	440	532	289	296
50,000 to 99,999 lb	23	39	7	51	36	16	S	47	37	S	S	S
100,000 lb or more	28	S	9	S	110	S	S	S	S	S	S	S
SCTG 34, Machinery	9 173	920	202	10 635	1 052	500	7 918	743	558	4 184	397	402
Less than 50 lb	1 308	33	7	1 008	15	7	773	12	8	514	6	7
50 to 99 lb	461	25	5	362	14	6	308	8	6	170	6	6
100 to 499 lb	1 126	76	16	1 320	58	27	834	38	28	579	21	21
500 to 749 lb	372	20	4	415	27	12	588	25	20	168	9	9
750 to 999 lb	161	16	3	297	16	8	230	18	13	99	6	6
1,000 to 9,999 lb	1 718	205	44	2 942	207	96	2 473	214	160	884	79	80
10,000 to 49,999 lb	3 177	503	114	3 988	644	309	2 631	409	307	1 673	250	254
50,000 to 99,999 lb	S	S	S	177	44	20	72	19	14	92	18	18
100,000 lb or more	S	S	S	125	26	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	10 769	636	144	20 418	994	470	16 781	1 172	882	8 400	396	416
Less than 50 lb	2 914	38	8	3 817	30	14	3 357	24	18	2 080	15	16
50 to 99 lb	943	17	4	938	21	10	1 242	16	12	675	9	10
100 to 499 lb	2 356	68	14	2 613	73	33	2 704	68	51	1 716	32	34
500 to 749 lb	484	22	4	417	19	9	1 077	24	18	288	13	14
750 to 999 lb	188	11	2	469	21	10	324	19	14	S	15	16
1,000 to 9,999 lb	2 191	141	29	S	288	139	4 837	257	199	1 257	66	70
10,000 to 49,999 lb	1 545	306	73	2 355	514	240	3 124	728	544	1 417	188	195
50,000 to 99,999 lb	35	S	S	85	18	9	46	13	9	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	22	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	11 018	1 415	320	13 382	2 142	1 062	14 455	1 725	1 326	3 790	485	515
Less than 50 lb	829	28	6	802	29	13	637	21	15	260	8	8
50 to 99 lb	265	14	3	273	16	7	178	9	7	29	1	1
100 to 499 lb	1 271	81	17	769	45	20	766	46	33	170	19	20
500 to 749 lb	S	17	3	337	20	9	228	19	14	48	6	6
750 to 999 lb	147	23	5	157	15	7	77	11	8	18	S	S
1,000 to 9,999 lb	3 115	349	76	3 753	430	201	2 512	284	217	775	76	79
10,000 to 49,999 lb	3 359	685	160	6 100	1 177	573	8 984	1 150	875	1 790	225	238
50,000 to 99,999 lb	S	105	23	S	241	129	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	168	100	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	S	100	23	1 752	281	173	2 455	220	182	1 727	101	117
Less than 50 lb	S	1	—	295	1	—	647	1	1	329	1	1
50 to 99 lb	18	S	S	84	—	—	S	1	1	263	1	1
100 to 499 lb	46	2	—	218	3	1	433	6	5	175	2	2
500 to 749 lb	10	S	S	55	3	1	40	1	1	117	1	1
750 to 999 lb	7	S	S	29	1	—	53	S	S	76	2	2
1,000 to 9,999 lb	S	49	9	357	23	11	286	16	13	380	18	19
10,000 to 49,999 lb	317	32	9	353	49	22	175	35	28	303	34	35
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	171	157	133	S	S	S
SCTG 38, Precision instruments and apparatus	2 322	92	17	3 105	127	52	2 909	170	128	2 882	56	57
Less than 50 lb	866	9	2	993	8	4	1 152	8	6	1 021	7	7
50 to 99 lb	181	S	S	282	2	1	188	3	2	S	S	S
100 to 499 lb	459	11	2	712	10	5	566	13	10	522	7	7
500 to 749 lb	102	4	1	121	3	2	134	4	3	41	2	2
750 to 999 lb	87	3	1	86	3	2	64	S	S	S	S	S
1,000 to 9,999 lb	435	22	4	531	23	11	S	23	18	S	17	18
10,000 to 49,999 lb	193	S	S	352	32	16	S	S	S	29	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	2 839	645	137	4 127	1 036	482	3 263	707	525	1 383	269	280
Less than 50 lb	63	4	1	151	9	4	107	6	4	56	3	3
50 to 99 lb	64	7	2	118	12	5	108	10	8	46	4	4
100 to 499 lb	460	71	15	855	109	50	663	82	60	298	34	36
500 to 749 lb	202	34	7	322	50	23	175	27	20	82	13	13
750 to 999 lb	121	24	5	158	30	13	185	33	25	64	13	13
1,000 to 9,999 lb	1 226	299	62	1 622	405	184	1 308	293	220	466	97	103
10,000 to 49,999 lb	697	206	46	834	409	197	673	249	182	363	103	106
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products	11 764	4 602	946	8 687	2 701	1 220	6 094	1 152	854	3 302	664	705
Less than 50 lb	1 652	42	9	1 691	39	18	1 635	31	24	1 074	20	21
50 to 99 lb	326	23	5	265	14	7	340	14	10	210	10	10
100 to 499 lb	756	83	18	827	65	30	986	58	43	517	32	34
500 to 749 lb	202	28	6	440	32	14	238	22	17	130	12	13
750 to 999 lb	179	25	5	194	25	11	187	23	17	85	9	9
1,000 to 9,999 lb	1 971	498	101	1 792	337	147	1 227	204	151	651	102	106
10,000 to 49,999 lb	S	2 680	558	3 024	1 532	659	1 426	681	488	612	381	396
50,000 to 99,999 lb	307	1 054	201	179	368	161	S	53	46	S	43	45
100,000 lb or more	120	169	44	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	662	4 446	934	814	3 896	1 753	496	2 035	1 522	125	290	311
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	434	2 152	428	629	2 390	984	400	1 241	888	100	205	212
50,000 to 99,999 lb	34	358	76	S	S	S	S	S	S	S	S	S
100,000 lb or more	192	1 933	430	165	1 394	715	S	758	S	S	68	82
SCTG 43, Mixed freight	17 996	6 545	1 215	S	1 049	444	474	232	169	162	53	49
Less than 50 lb	347	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	129	16	3	S	S	S	S	S	S	S	S	S
100 to 499 lb	380	96	18	S	S	S	13	2	1	S	S	S
500 to 749 lb	200	70	13	43	15	6	6	2	1	S	S	S
750 to 999 lb	234	82	15	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	3 436	1 483	273	582	239	93	42	19	14	22	10	S
10,000 to 49,999 lb	13 096	4 621	866	S	711	312	247	195	143	S	40	35
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	1 433	830	162	1 110	289	133	469	106	77	213	S	S
Less than 50 lb	58	1	—	24	—	—	56	1	1	5	—	—
50 to 99 lb	S	—	—	14	1	—	S	—	—	S	S	S
100 to 499 lb	96	8	2	S	S	S	25	3	2	18	1	1
500 to 749 lb	S	S	1	20	3	1	9	2	1	2	—	—
750 to 999 lb	6	2	—	S	2	S	7	1	1	S	S	S
1,000 to 9,999 lb	129	76	14	131	32	13	86	15	11	S	3	3
10,000 to 49,999 lb	959	495	96	668	192	89	234	72	52	128	33	34
50,000 to 99,999 lb	41	146	28	S	36	18	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	44 803	16 713	23 971	17 103	3 186	6 841	38 168	6 990	19 195
Less than 50 lb	10 110	128	175	2 761	43	88	7 738	101	276
50 to 99 lb	1 969	51	69	777	22	46	2 026	38	103
100 to 499 lb	4 837	241	337	2 549	99	206	3 872	177	473
500 to 749 lb	1 443	103	145	602	52	104	1 202	84	222
750 to 999 lb	811	76	105	337	40	82	746	58	155
1,000 to 9,999 lb	9 267	1 306	1 787	3 481	398	826	7 432	874	2 314
10,000 to 49,999 lb	13 065	5 643	7 584	6 219	1 648	3 499	12 410	4 003	10 849
50,000 to 99,999 lb	S	1 034	1 350	57	48	103	S	177	490
100,000 lb or more	2 410	8 131	12 419	319	837	1 888	1 867	1 478	4 312
SCTG 01, Live animals and live fish	61	46	59	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	6	4	6	S	S	S	—	—	—
100,000 lb or more	23	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 03, Other agricultural products	730	777	1 010	48	54	S	199	110	308
Less than 50 lb	65	13	18	8	S	S	S	S	S
50 to 99 lb	22	3	4	2	—	1	—	—	—
100 to 499 lb	87	14	20	10	2	4	8	2	5
500 to 749 lb	26	6	8	S	S	S	S	S	S
750 to 999 lb	16	4	5	—	—	—	S	1	4
1,000 to 9,999 lb	163	91	118	S	S	S	41	23	61
10,000 to 49,999 lb	301	507	659	6	7	17	54	64	179
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	53	106	163	S	S	S	S	29	85
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	28	42	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	14	61	95	—	—	—	8	S	S
SCTG 05, Meat, fish, seafood, and their preparations	1 006	S	S	226	73	146	485	189	492
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	4	—	1	S	S	S	S	S	S
750 to 999 lb	6	1	1	2	—	—	S	S	S
1,000 to 9,999 lb	283	59	78	S	14	28	136	24	65
10,000 to 49,999 lb	S	S	S	107	58	114	221	134	340
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	145	93	127	96	49	105	129	80	210
Less than 50 lb	1	—	—	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	13	5	7	S	S	S	10	5	14
10,000 to 49,999 lb	123	86	117	82	42	90	115	73	193
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	1 351	1 869	2 376	280	111	229	563	328	916
Less than 50 lb	3	S	S	S	—	1	14	2	4
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	102	47	65	18	8	17	71	S	S
10,000 to 49,999 lb	757	611	815	249	100	206	468	282	791
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	1 363	—	—	—	—	—	—
SCTG 08, Alcoholic beverages	S	S	S	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	1 520	47	S	S	S	S	2 555	83	237
Less than 50 lb	58	1	1	11	—	1	44	1	2
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	6	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	1	1	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	2 466	73	209
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 10, Monumental or building stone	S	1	2	S	S	S	1	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	1	1	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	S	S	S	S	S	S	4	9	23
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	4	8	22
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	247	2 286	3 361	19	204	423	62	415	1 239
Less than 50 lb	—	—	—	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	25	116	150	8	39	84	14	53	134
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	182	2 127	3 149	S	S	337	45	350	1 073

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	\$	38	62	\$	4	8	\$	\$	\$
Less than 50 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
50 to 99 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
100 to 499 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
500 to 749 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
750 to 999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
1,000 to 9,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	2	5	7	\$	4	8	2	\$	\$
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	5	33	54	—	—	—	—	—	—
SCTG 15, Coal	—	—	—	\$	\$	\$	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	\$	\$	\$	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	—	—	—	—	—	—	\$	\$	\$
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	\$	\$	\$
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	\$	\$	\$	—	—	—	\$	\$	\$
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	\$	\$	\$
50,000 to 99,999 lb	\$	\$	\$	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	21	\$	\$	\$	\$	\$	17	\$	\$
Less than 50 lb	1	\$	\$	\$	\$	\$	\$	\$	\$
50 to 99 lb	\$	\$	\$	\$	\$	\$	—	—	—
100 to 499 lb	5	\$	\$	—	—	—	\$	\$	\$
500 to 749 lb	\$	\$	\$	—	—	—	—	—	—
750 to 999 lb	\$	\$	\$	\$	\$	\$	—	—	—
1,000 to 9,999 lb	\$	1	2	\$	\$	\$	4	2	\$
10,000 to 49,999 lb	\$	\$	\$	—	—	—	\$	\$	\$
50,000 to 99,999 lb	\$	\$	\$	—	—	—	\$	\$	\$
100,000 lb or more	\$	\$	\$	—	—	—	—	—	—
SCTG 20, Basic chemicals	851	474	690	147	95	210	558	494	1 369
Less than 50 lb	\$	\$	\$	5	\$	\$	13	—	1
50 to 99 lb	\$	\$	\$	\$	\$	\$	5	—	—
100 to 499 lb	8	1	1	2	—	—	22	1	2
500 to 749 lb	—	—	—	\$	\$	\$	\$	1	3
750 to 999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
1,000 to 9,999 lb	128	16	21	\$	4	8	43	7	19
10,000 to 49,999 lb	384	213	295	90	63	132	270	148	398
50,000 to 99,999 lb	\$	\$	\$	—	—	—	—	—	—
100,000 lb or more	272	230	352	\$	\$	\$	192	336	946
SCTG 21, Pharmaceutical products	2 608	139	\$	418	11	23	1 690	\$	\$
Less than 50 lb	1 431	10	13	300	2	4	737	5	13
50 to 99 lb	\$	\$	\$	\$	\$	\$	\$	1	1
100 to 499 lb	\$	\$	\$	\$	\$	\$	136	4	11
500 to 749 lb	\$	\$	\$	\$	\$	\$	\$	2	5
750 to 999 lb	\$	\$	\$	\$	\$	\$	5	—	1
1,000 to 9,999 lb	224	\$	\$	\$	1	3	188	12	31
10,000 to 49,999 lb	158	39	50	\$	\$	\$	529	\$	\$
50,000 to 99,999 lb	—	—	—	—	—	—	\$	\$	\$
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	442	2 259	3 731	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	439	2 249	3 718	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	863	522	760	312	170	356	1 071	432	1 235
Less than 50 lb	149	6	8	S	1	1	S	S	S
50 to 99 lb	50	3	3	1	—	—	31	1	4
100 to 499 lb	96	6	8	S	3	5	58	5	14
500 to 749 lb	38	4	6	S	1	3	10	2	5
750 to 999 lb	11	1	2	S	S	S	6	2	5
1,000 to 9,999 lb	138	32	45	84	23	47	S	42	111
10,000 to 49,999 lb	305	186	267	154	96	202	571	331	940
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	1 889	662	937	582	139	302	1 804	614	1 659
Less than 50 lb	137	4	6	52	1	3	105	3	8
50 to 99 lb	38	2	3	15	1	2	33	2	7
100 to 499 lb	153	14	20	61	S	S	115	9	25
500 to 749 lb	S	10	14	31	4	8	56	7	19
750 to 999 lb	43	6	9	27	3	6	34	4	10
1,000 to 9,999 lb	446	113	156	156	26	53	281	61	162
10,000 to 49,999 lb	844	340	465	227	77	165	1 073	461	1 235
50,000 to 99,999 lb	S	S	S	—	—	—	53	13	38
100,000 lb or more	129	166	255	14	20	50	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 26, Wood products	260	339	469	167	161	351	236	220	609
Less than 50 lb	27	1	2	S	S	S	14	S	S
50 to 99 lb	1	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	3	—	1	4	1	1
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	2	—	1	S	S	S	S	S	S
1,000 to 9,999 lb	38	10	14	S	5	11	45	10	26
10,000 to 49,999 lb	120	177	235	87	100	211	126	125	340
50,000 to 99,999 lb	24	S	84	3	8	17	12	38	109
100,000 lb or more	37	81	132	S	S	S	16	45	126
SCTG 27, Pulp, newsprint, paper, and paperboard	680	1 131	1 630	115	104	228	274	311	853
Less than 50 lb	S	S	S	S	S	S	4	—	1
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	2	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	10	14	S	S	S	20	8	19
10,000 to 49,999 lb	389	539	734	S	70	153	177	204	550
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	237	576	874	S	S	S	58	96	272
SCTG 28, Paper or paperboard articles	247	142	198	142	93	210	261	186	513
Less than 50 lb	7	1	1	3	—	—	9	1	2
50 to 99 lb	5	1	1	S	S	1	1	—	1
100 to 499 lb	16	3	4	S	S	S	S	1	3
500 to 749 lb	S	1	1	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	—	1
1,000 to 9,999 lb	59	18	25	17	8	18	43	13	35
10,000 to 49,999 lb	143	79	104	103	43	91	190	133	374
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	1 103	140	189	452	44	90	1 025	125	331
Less than 50 lb	448	14	19	125	4	9	391	14	38
50 to 99 lb	29	2	2	12	1	2	28	1	4
100 to 499 lb	180	10	14	147	S	S	129	S	S
500 to 749 lb	30	3	4	S	S	S	S	S	S
750 to 999 lb	15	2	2	S	S	S	7	1	3
1,000 to 9,999 lb	175	33	46	70	9	18	147	26	70
10,000 to 49,999 lb	215	76	100	67	12	24	271	65	169
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	5 787	831	1 166	3 456	728	1 527	5 206	746	1 973
Less than 50 lb	821	20	28	273	8	17	793	21	57
50 to 99 lb	228	14	18	82	6	12	159	8	22
100 to 499 lb	393	28	39	247	28	58	637	45	117
500 to 749 lb	156	18	26	223	21	42	171	19	51
750 to 999 lb	124	15	21	93	18	37	250	18	47
1,000 to 9,999 lb	1 903	229	319	1 090	140	289	1 697	192	491
10,000 to 49,999 lb	2 122	481	679	1 403	386	S	1 420	354	905
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	285	697	S	111	40	87	381	272	773
Less than 50 lb	29	1	1	15	—	1	56	2	4
50 to 99 lb	S	—	—	S	S	S	6	—	1
100 to 499 lb	17	2	3	9	1	1	51	2	6
500 to 749 lb	7	1	2	S	—	—	6	1	3
750 to 999 lb	2	1	1	S	S	S	S	1	2
1,000 to 9,999 lb	34	9	13	S	5	10	106	18	48
10,000 to 49,999 lb	176	402	522	24	21	47	120	88	235
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	507	197	282	109	53	110	431	274	772
Less than 50 lb	16	—	1	S	S	S	25	—	1
50 to 99 lb	9	—	—	S	S	S	9	S	S
100 to 499 lb	24	2	3	5	S	S	12	1	2
500 to 749 lb	59	3	4	3	1	2	S	1	2
750 to 999 lb	S	1	1	S	S	S	S	S	S
1,000 to 9,999 lb	141	S	S	34	11	22	72	53	142
10,000 to 49,999 lb	128	89	121	49	33	68	219	133	394
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	72	S	S
SCTG 33, Articles of base metal	995	266	366	296	67	168	741	266	719
Less than 50 lb	243	4	6	85	1	3	163	3	8
50 to 99 lb	61	2	3	15	1	2	72	2	5
100 to 499 lb	137	10	14	32	2	4	153	10	26
500 to 749 lb	36	5	6	S	2	4	14	2	6
750 to 999 lb	46	6	7	S	S	S	32	4	11
1,000 to 9,999 lb	179	55	75	55	18	37	89	25	68
10,000 to 49,999 lb	281	128	178	47	31	64	202	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 34, Machinery	3 317	258	358	1 007	101	218	3 208	220	593
Less than 50 lb	382	4	5	143	2	3	271	3	8
50 to 99 lb	99	3	3	23	1	1	130	3	7
100 to 499 lb	357	13	19	98	5	10	177	9	25
500 to 749 lb	114	7	11	8	1	1	S	5	14
750 to 999 lb	90	5	6	19	1	3	66	6	15
1,000 to 9,999 lb	753	64	86	374	27	58	661	53	145
10,000 to 49,999 lb	886	146	207	317	60	130	793	113	305
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	9 892	235	325	3 991	303	628	7 286	194	532
Less than 50 lb	2 932	14	19	912	6	14	2 561	14	37
50 to 99 lb	839	6	8	S	3	7	1 094	6	16
100 to 499 lb	1 548	21	29	S	10	20	1 241	20	56
500 to 749 lb	357	8	11	58	3	5	256	6	17
750 to 999 lb	140	3	4	S	S	S	151	4	12
1,000 to 9,999 lb	2 396	87	118	561	35	73	1 400	49	130
10,000 to 49,999 lb	S	89	128	724	S	S	567	91	253
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	1 956	245	354	681	64	133	2 855	311	826
Less than 50 lb	68	2	3	75	2	5	86	3	8
50 to 99 lb	22	1	2	S	1	1	10	1	2
100 to 499 lb	S	6	8	34	3	6	S	4	10
500 to 749 lb	S	S	3	S	S	S	12	1	4
750 to 999 lb	9	1	2	S	S	S	13	2	5
1,000 to 9,999 lb	422	47	65	76	6	12	497	41	109
10,000 to 49,999 lb	S	134	188	404	45	97	1 257	192	497
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 37, Transportation equipment, n.e.c.	937	23	31	S	14	31	1 161	20	60
Less than 50 lb	308	1	1	94	—	—	491	1	2
50 to 99 lb	33	—	—	22	S	S	26	—	—
100 to 499 lb	121	1	1	S	1	2	S	1	3
500 to 749 lb	S	—	—	S	S	S	S	—	1
750 to 999 lb	S	S	S	S	S	S	S	—	1
1,000 to 9,999 lb	S	9	12	S	S	S	S	6	15
10,000 to 49,999 lb	104	11	15	S	8	20	S	12	37
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	2 222	31	43	684	9	18	2 049	S	S
Less than 50 lb	S	6	8	264	2	3	763	5	14
50 to 99 lb	99	1	1	104	S	S	126	1	4
100 to 499 lb	471	5	7	171	2	S	310	5	13
500 to 749 lb	S	S	S	15	—	—	34	1	4
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	8	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	2	4	53	10	26
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	659	113	154	333	52	112	886	142	386
Less than 50 lb	45	2	3	16	S	S	71	3	9
50 to 99 lb	24	2	3	10	1	2	41	3	9
100 to 499 lb	148	16	23	75	9	18	207	22	57
500 to 749 lb	34	5	6	53	6	12	79	9	24
750 to 999 lb	16	4	6	34	4	9	30	4	12
1,000 to 9,999 lb	294	49	68	105	18	39	239	45	125
10,000 to 49,999 lb	94	34	44	33	12	26	220	55	149
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	3 422	422	585	1 196	104	227	2 624	280	754
Less than 50 lb	1 586	20	27	322	7	14	978	15	43
50 to 99 lb	356	8	11	88	3	7	194	5	13
100 to 499 lb	328	24	34	162	7	14	311	18	47
500 to 749 lb	60	7	9	35	2	5	126	11	30
750 to 999 lb	168	16	23	29	4	7	80	5	14
1,000 to 9,999 lb	373	54	73	126	19	42	416	59	157
10,000 to 49,999 lb	545	262	361	421	S	134	509	159	429
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	76	232	346	S	S	S	7	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	61	98	137	S	S	S	S	14	35
50,000 to 99,999 lb	S	36	53	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 43, Mixed freight	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	1	1	S	S	S	S	S	S
50 to 99 lb	S	—	—	S	S	S	S	S	S
100 to 499 lb	6	1	2	—	—	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	156	26	33	38	3	7	S	S	S
Less than 50 lb	15	—	—	S	S	S	15	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	1	3
500 to 749 lb	3	1	1	S	S	S	3	S	1
750 to 999 lb	S	S	S	S	S	S	2	S	S
1,000 to 9,999 lb	S	7	9	S	S	S	7	1	2
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in

1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

Item	1993	1997
1. Industry coverage	Manufacturers (minor exceptions) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses Auxiliaries (e.g., warehouses)
2. Commodity classification system	Standard Transportation Commodity Classification (STCC), developed by the American Association of Railroads (AAR).	Standard Classification of Transported Goods (SCTG).
3. Sample size	Approximately 200,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1992 Standard Statistical Establishment List (SSEL).	Approximately 100,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1995 Standard Statistical Establishment List (SSEL).
4. Survey methodology	Respondents took a sample of their individual outbound shipments for a 2-week period during each of the four calendar quarters of 1993. Respondents reported key characteristics for each sampled shipment.	Respondents took a sample of their individual outbound shipments for a 1-week period during each of the four calendar quarters of 1997. Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	For each shipment: Total value Total weight Major commodity (STCC) All modes of transportation Multiple origins (respondents specifically requested to report all shipment origins for the sampled establishment and report the appropriate origin for each shipment; assumed to always be the mailing address if no other origins listed). Destination Containerized (Y/N) Hazardous material (Y/N) Export (Y/N) If export, mode of export, foreign country, and city of destination.	For each shipment: Total value Total weight Major commodity (SCTG) All modes of transportation Single origin (assumed to be the mailing address unless the respondent provided a different physical location address). Destination Containerized (Y/N) Hazardous material (UN/NA codes) Export (Y/N) If export, mode of export, foreign country, and city of destination.

Appendix B. Reliability of the Estimates

An estimate based on a sample survey potentially contains two types of errors—sampling and nonsampling. Sampling error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The bias of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. Variance is the squared difference, averaged over all possible samples of the same size and design, between an estimator and its average value. Descriptions of sampling and nonsampling errors for the 1997 Commodity Flow Survey (CFS) are provided in the following sections.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of all the shipments made in 1997 from all establishments included on the CFS sampling frame is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling. (See Appendix C for a description of the sample design.)

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the

sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

An estimate of an unknown population value and its approximate standard error can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability, or confidence, of containing the unknown population value. If, for each possible sample, an estimate of an unknown population value and the estimate's approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the unknown population value.
2. For approximately 95 percent of the possible samples, the interval from two standard errors below to two standard errors above the estimate would include the unknown population value.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources: (1) nonresponse, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) other errors of collection, response, coverage, and processing. Although no direct measurement of the potential biases because of nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize its influence.

A potentially large source of bias in the estimates is due to nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all the selected establishments. Four levels of nonresponse can occur in the CFS: item, shipment, quarter (reporting week), and establishment. Item nonresponse

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been

returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

Some possible sources of bias that are attributed to respondent-conducted sampling include misunderstanding the definition of a shipment, constructing an incomplete frame of shipments from which to sample, ordering the shipment sampling frame by selected shipment characteristics, and selecting shipment records by a method other than the one specified in the questionnaire's instructions. We often contacted respondents who reported shipments having atypically large value or weight when compared to the rest of their reported shipments. Upon contact, if we are able to collect information on all of a given respondent's large shipments made either for a particular reporting week or for the entire quarter, then we identify these large shipments as certainty shipments. (See Appendix C for a description of how certainty shipments are used in the estimation process.)

Table B-1a. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	2.4	—	3.2	—	3.4	—	3.0
Single modes	2.7	.4	3.4	.3	3.8	.8	4.1
Truck	2.8	.5	3.8	1.4	2.3	1.4	4.4
For-hire truck	3.5	1.0	7.2	1.7	3.3	1.1	3.3
Private truck	4.0	1.0	5.8	2.0	4.2	.7	9.9
Rail	9.0	.3	8.4	1.2	7.5	1.7	6.5
Water	21.4	—	18.6	.3	24.1	.7	18.9
Shallow draft	16.2	—	21.2	.3	25.6	.7	22.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	48.9	—	S	S	S	S	21.8
Air (includes truck and air)	10.7	.2	24.7	—	30.1	—	4.1
Pipeline	S	S	43.4	.4	S	S	S
Multiple modes	3.1	.3	13.2	.2	12.5	.7	2.8
Parcel, U.S. Postal Service or courier	2.9	.3	6.7	—	4.0	—	2.8
Truck and rail	18.4	—	23.9	—	25.5	.4	8.4
Truck and water	38.4	—	38.3	—	35.1	.3	15.6
Rail and water	21.8	—	22.4	.1	21.9	.4	16.8
Other multiple modes	35.2	—	32.0	—	47.6	.3	S
Other and unknown modes	5.5	.2	11.5	.2	13.8	.4	15.3

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	2.4	2.1	3.6	3.2	4.5	6.2	3.4	4.2	5.6	3.0	11.2	12.1
Single modes	2.7	2.4	4.0	3.4	4.7	6.8	3.8	4.0	5.9	4.1	4.3	6.6
Truck	2.8	2.6	4.3	3.8	4.6	7.3	2.3	3.1	4.5	4.4	4.6	6.9
For-hire truck	3.5	2.2	4.7	7.2	10.8	16.5	3.3	2.4	4.9	3.3	7.3	9.2
Private truck	4.0	5.4	7.5	5.8	5.2	9.1	4.2	8.2	9.9	9.9	4.9	12.9
Rail	9.0	7.4	13.1	8.4	10.8	14.6	7.5	7.9	12.2	6.5	4.3	7.0
Water	21.4	25.1	15.0	18.6	29.5	14.6	24.1	34.2	16.5	18.9	20.2	73.1
Shallow draft	16.2	28.4	17.8	21.2	34.3	21.1	25.6	30.2	25.6	22.6	20.2	21.0
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	48.9	38.2	22.0	S	S	S	S	S	S	21.8	30.5	90.5
Air (includes truck and air)	10.7	12.0	24.9	24.7	11.2	57.3	30.1	13.8	65.9	4.1	2.9	4.5
Pipeline	S	S	S	43.4	48.1	284.2	S	S	S	S	S	S
Multiple modes	3.1	4.2	6.7	13.2	14.2	12.0	12.5	17.9	15.2	2.8	8.1	8.5
Parcel, U.S. Postal Service or courier	2.9	4.3	7.2	6.7	6.3	9.6	4.0	14.0	15.0	2.8	8.2	8.5
Truck and rail	18.4	28.4	17.2	23.9	19.0	24.4	25.5	18.8	43.6	8.4	7.1	11.2
Truck and water	38.4	18.6	77.6	38.3	33.3	19.5	35.1	29.8	21.5	15.6	18.9	64.6
Rail and water	21.8	37.3	18.8	22.4	23.8	19.0	21.9	31.6	19.2	16.8	14.1	14.6
Other multiple modes	35.2	S	S	32.0	39.0	40.0	47.6	45.2	48.3	S	S	S
Other and unknown modes ...	5.5	13.6	17.9	11.5	13.2	8.3	13.8	21.9	15.4	15.3	25.1	15.3

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1c. **Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Division: Percent of Total 1997 and 1993**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes	.4	.6	.3	.5	.8	1.2
Truck	.5	.7	1.4	1.6	1.4	2.2
For-hire truck	1.0	1.2	1.7	1.8	1.1	1.3
Private truck	1.0	1.2	2.0	2.0	.7	1.3
Rail	.3	.3	1.2	1.5	1.7	2.0
Water	—	.2	.3	1.2	.7	2.2
Shallow draft	—	—	.3	.9	.7	1.2
Great Lakes	—	—	—	—	—	—
Deep draft	—	.1	S	S	S	S
Air (includes truck and air)	.2	.2	—	—	—	—
Pipeline	S	S	.4	.1	S	S
Multiple modes	.3	.4	.2	.3	.7	1.2
Parcel, U.S. Postal Service or courier	.3	.4	—	—	—	—
Truck and rail	—	.3	—	—	.4	.3
Truck and water	—	—	—	.2	.3	.5
Rail and water	—	—	.1	.2	.4	1.0
Other multiple modes	—	S	—	—	.3	.4
Other and unknown modes	.2	.4	.2	.6	.4	.9

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-2. **Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Division: 1997**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	3.4	—	3.0
Truck	2.3	1.4	4.4
Rail	7.0	1.6	5.9
Shallow draft	21.3	.8	23.6
Great Lakes	S	S	21.2
Deep draft	38.5	.5	15.2
Air	29.2	—	4.3
Parcel, U.S. Postal Service or courier	4.0	—	2.8
Pipeline	S	S	S
Other and unknown modes	13.7	.4	15.3

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	2.4	—	3.2	—	3.4	—
Less than 50 miles	2.5	.6	3.7	1.5	4.1	.4
50 to 99 miles	10.9	.7	12.0	1.0	11.0	.5
100 to 249 miles	4.4	.5	7.1	.9	8.4	1.3
250 to 499 miles	4.7	.6	7.8	.7	7.8	1.5
500 to 749 miles	2.9	.3	5.6	.2	6.6	.9
750 to 999 miles	2.9	.2	5.5	—	5.9	.5
1,000 to 1,499 miles	5.4	.2	8.6	—	8.9	.7
1,500 to 1,999 miles	12.4	.2	10.0	—	10.5	.2
2,000 miles or more	5.7	.2	4.3	—	4.5	.4
Single modes	2.7	—	3.4	—	3.8	—
Less than 50 miles	3.0	.7	3.8	1.5	4.2	.4
50 to 99 miles	11.7	.8	12.2	1.0	11.3	.5
100 to 249 miles	4.6	.5	7.4	.9	8.8	1.3
250 to 499 miles	5.5	.7	8.2	.8	8.3	1.6
500 to 749 miles	3.5	.3	5.2	.2	5.8	.8
750 to 999 miles	3.3	.2	5.4	—	5.8	.5
1,000 to 1,499 miles	7.5	.3	9.2	—	9.4	.7
1,500 to 1,999 miles	16.0	.2	9.9	—	10.2	.2
2,000 miles or more	8.4	.2	4.6	—	4.9	.3
Truck	2.8	—	3.8	—	2.3	—
Less than 50 miles	2.8	.7	4.5	1.4	4.3	.5
50 to 99 miles	12.0	.8	13.6	1.2	12.7	.9
100 to 249 miles	5.1	.6	4.4	.5	4.2	.6
250 to 499 miles	5.7	.7	3.5	.3	3.7	.7
500 to 749 miles	4.4	.4	4.1	.1	3.9	.6
750 to 999 miles	3.7	.2	7.1	—	7.6	.7
1,000 to 1,499 miles	4.9	.2	10.4	—	10.0	.6
1,500 to 1,999 miles	18.2	.2	9.7	—	9.4	.2
2,000 miles or more	8.8	.2	5.0	—	5.1	.4
For-hire truck	3.5	—	7.2	—	3.3	—
Less than 50 miles	6.4	.8	7.3	2.0	7.1	.4
50 to 99 miles	17.6	1.0	23.3	1.7	21.7	1.1
100 to 249 miles	3.0	.5	7.6	.9	7.0	.6
250 to 499 miles	7.2	.9	3.7	.5	4.1	.7
500 to 749 miles	4.8	.5	3.7	.3	3.7	.7
750 to 999 miles	4.3	.4	3.2	.1	3.3	.4
1,000 to 1,499 miles	6.2	.3	7.2	.1	7.0	.5
1,500 to 1,999 miles	17.8	.4	8.0	—	8.0	.2
2,000 miles or more	10.4	.4	4.7	—	4.9	.5
Private truck	4.0	—	5.8	—	4.2	—
Less than 50 miles	3.3	1.4	7.3	1.3	5.9	1.5
50 to 99 miles	8.9	.7	12.7	1.0	12.2	1.2
100 to 249 miles	10.9	1.1	5.5	.8	5.3	1.3
250 to 499 miles	8.9	.6	10.1	.3	10.4	1.4
500 to 749 miles	8.3	.3	12.8	.1	11.9	.9
750 to 999 miles	7.5	—	24.1	.1	25.1	1.7
1,000 to 1,499 miles	21.2	.2	31.5	—	30.5	1.1
1,500 to 1,999 miles	27.9	.1	42.1	—	40.4	.7
2,000 miles or more	25.3	.2	19.7	—	18.9	.4
Rail	9.0	—	8.4	—	7.5	—
Less than 50 miles	10.9	1.4	17.7	3.8	17.6	.6
50 to 99 miles	12.2	.6	18.3	.9	22.4	.5
100 to 249 miles	11.0	2.0	16.0	2.8	15.7	2.5
250 to 499 miles	10.0	1.8	13.9	3.0	13.3	2.9
500 to 749 miles	24.5	3.1	8.5	.5	8.7	1.0
750 to 999 miles	14.8	.9	9.0	.3	8.8	.9
1,000 to 1,499 miles	16.0	.8	15.6	.5	16.2	1.6
1,500 to 1,999 miles	27.1	.1	32.0	—	32.6	.4
2,000 miles or more	27.3	1.3	17.5	.1	17.1	.7
Water	21.4	—	18.6	—	24.1	—
Less than 50 miles	33.6	7.1	25.0	7.6	27.9	5.1
50 to 99 miles	27.9	5.9	35.4	6.9	32.2	6.2
100 to 249 miles	30.9	4.2	40.3	6.0	48.6	6.4
250 to 499 miles	35.2	4.1	38.0	6.0	42.4	7.5
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Shallow draft	16.2	—	21.2	—	25.6	—
Less than 50 miles	34.3	7.6	26.2	6.9	28.4	4.9
50 to 99 miles	30.5	7.6	35.7	8.1	32.6	7.8
100 to 249 miles	35.6	5.6	41.7	6.2	49.9	6.6
250 to 499 miles	38.9	4.6	39.1	6.4	42.8	7.6
500 to 749 miles	46.3	2.8	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	48.9	—	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	10.7	—	24.7	—	30.1	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	25.0	1.0	18.4	1.2	20.1	.3
100 to 249 miles	32.3	4.2	19.9	1.6	17.8	.6
250 to 499 miles	12.0	2.1	35.4	3.9	19.2	2.8
500 to 749 miles	11.6	2.3	17.0	3.4	16.5	3.0
750 to 999 miles	15.6	1.1	28.7	1.6	29.9	1.7
1,000 to 1,499 miles	40.8	3.6	S	S	S	S
1,500 to 1,999 miles	22.4	.9	49.8	2.3	47.4	2.7
2,000 miles or more	13.0	1.7	11.3	1.6	10.4	3.6
Pipeline	S	S	43.4	—	S	S
Less than 50 miles	S	S	46.5	3.9	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	49.2	3.9	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	—	—	—	—	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	—	—	—	—	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	3.1	—	13.2	—	12.5	—
Less than 50 miles	7.9	.9	33.1	2.1	31.9	—
50 to 99 miles	8.1	.4	33.2	.8	S	S
100 to 249 miles	3.8	.4	23.2	5.5	24.7	3.9
250 to 499 miles	4.5	.6	27.3	3.3	24.7	2.7
500 to 749 miles	5.8	.7	26.3	4.1	29.0	5.3
750 to 999 miles	5.3	.4	31.4	2.5	32.3	2.6
1,000 to 1,499 miles	8.3	.8	37.7	1.4	35.3	2.4
1,500 to 1,999 miles	8.1	.3	27.9	.4	30.0	1.5
2,000 miles or more	4.7	.4	20.0	.6	20.3	2.2
Parcel, U.S. Postal Service or courier	2.9	—	6.7	—	4.0	—
Less than 50 miles	8.2	1.0	8.9	.9	11.5	—
50 to 99 miles	8.3	.4	16.2	.5	16.6	.2
100 to 249 miles	3.8	.5	13.2	.8	14.1	.6
250 to 499 miles	4.1	.6	9.5	.6	8.0	.7
500 to 749 miles	5.5	.7	3.9	.6	3.9	.6
750 to 999 miles	5.3	.4	7.1	.7	7.1	.8
1,000 to 1,499 miles	8.2	.8	4.9	.4	4.9	.6
1,500 to 1,999 miles	6.7	.2	11.4	.3	11.7	.8
2,000 miles or more	5.8	.4	5.7	.3	5.6	.8
Truck and rail	18.4	—	23.9	—	25.5	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	49.5	.5	S	S	S	S
100 to 249 miles	29.8	1.1	37.0	5.7	40.1	2.1
250 to 499 miles	24.5	2.7	38.5	5.2	33.3	3.0
500 to 749 miles	36.7	3.8	31.4	3.5	30.9	2.3
750 to 999 miles	38.7	2.7	31.6	2.6	30.8	2.6
1,000 to 1,499 miles	27.0	1.2	S	S	S	S
1,500 to 1,999 miles	47.8	3.4	38.9	1.3	39.6	2.9
2,000 miles or more	12.8	3.7	24.9	2.6	25.3	4.1
Truck and water	38.4	—	38.3	—	35.1	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	44.7	8.5	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	42.9	8.1	46.4	8.9	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	33.9	9.7	22.3	9.3	22.8	12.6

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	21.8	—	22.4	—	21.9	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	32.0	8.5	30.8	8.3	32.6	8.9
250 to 499 miles	45.7	4.9	47.8	4.6	40.4	5.3
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	35.2	—	32.0	—	47.6	—
Less than 50 miles	44.3	9.8	43.0	8.1	44.9	9.9
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	49.1	8.4	48.9	9.2	48.7	14.2
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	5.5	—	11.5	—	13.8	—
Less than 50 miles	6.0	2.0	16.5	4.2	22.1	.8
50 to 99 miles	12.1	.6	24.7	2.5	29.8	2.0
100 to 249 miles	17.8	1.4	29.0	3.6	24.1	3.5
250 to 499 miles	12.7	1.2	21.9	2.3	21.2	3.5
500 to 749 miles	14.4	.9	28.5	.8	28.1	2.5
750 to 999 miles	13.2	.8	46.2	2.6	46.6	5.0
1,000 to 1,499 miles	44.7	1.7	41.7	1.1	40.6	2.2
1,500 to 1,999 miles	28.8	.4	26.7	.1	27.2	.6
2,000 miles or more	21.9	.8	28.6	.5	27.9	2.6

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	2.4	—	3.2	—	3.4	—	3.0
Less than 50 lb	2.8	.4	3.3	—	3.2	—	3.2
50 to 99 lb	4.1	.1	5.0	—	3.8	—	4.1
100 to 499 lb	2.7	.3	3.5	—	2.9	—	4.6
500 to 749 lb	3.4	.1	3.4	—	5.0	—	4.4
750 to 999 lb	4.4	—	3.3	—	3.2	—	3.1
1,000 to 9,999 lb	8.9	1.3	2.3	.1	3.1	.2	2.6
10,000 to 49,999 lb	3.2	1.1	3.6	.9	2.2	1.1	3.8
50,000 to 99,999 lb	7.5	.3	9.2	1.5	8.2	.6	5.9
100,000 lb or more	6.4	.3	5.6	1.4	6.0	1.4	6.4
Single modes	2.7	—	3.4	—	3.8	—	4.1
Less than 50 lb	4.4	.2	5.6	—	5.7	—	8.3
50 to 99 lb	7.3	.2	6.7	—	4.8	—	5.6
100 to 499 lb	3.2	.3	3.3	—	2.7	—	4.1
500 to 749 lb	3.6	.1	3.5	—	5.2	—	4.6
750 to 999 lb	4.5	.1	3.1	—	3.4	—	3.2
1,000 to 9,999 lb	9.2	1.5	2.3	.1	2.9	.2	2.5
10,000 to 49,999 lb	3.3	1.3	3.6	.9	2.2	1.2	3.8
50,000 to 99,999 lb	7.6	.4	9.2	1.5	8.7	.7	6.2
100,000 lb or more	6.7	.3	6.2	1.4	6.8	1.5	6.8
Truck	2.8	—	3.8	—	2.3	—	4.4
Less than 50 lb	4.8	.2	5.8	—	6.9	—	9.9
50 to 99 lb	8.4	.2	6.7	—	5.5	—	5.8
100 to 499 lb	3.5	.4	3.4	—	2.8	—	4.1
500 to 749 lb	3.7	.1	3.5	—	4.9	—	4.4
750 to 999 lb	4.6	.1	3.1	—	3.2	—	3.0
1,000 to 9,999 lb	9.5	1.6	2.3	.2	2.9	.4	2.5
10,000 to 49,999 lb	3.6	1.4	3.6	1.3	2.2	.9	3.8
50,000 to 99,999 lb	7.9	.4	9.3	1.5	9.1	1.0	6.3
100,000 lb or more	13.5	.2	11.5	.9	9.0	.4	10.8
For-hire truck	3.5	—	7.2	—	3.3	—	3.3
Less than 50 lb	9.1	.2	8.9	—	8.8	—	6.2
50 to 99 lb	9.0	—	9.0	—	6.8	—	5.9
100 to 499 lb	3.7	.3	3.6	—	3.0	—	3.4
500 to 749 lb	5.2	.2	5.1	—	5.8	—	2.5
750 to 999 lb	8.0	.2	6.5	—	4.1	—	3.3
1,000 to 9,999 lb	10.9	1.8	3.9	.2	3.7	.5	2.2
10,000 to 49,999 lb	3.1	1.6	5.5	1.5	2.7	1.0	4.2
50,000 to 99,999 lb	10.1	.3	14.2	1.8	14.8	1.2	4.2
100,000 lb or more	17.0	.3	18.4	1.5	9.2	.4	25.3
Private truck	4.0	—	5.8	—	4.2	—	9.9
Less than 50 lb	5.0	.3	6.9	—	8.7	—	19.6
50 to 99 lb	11.8	.4	8.0	—	7.2	—	5.3
100 to 499 lb	6.2	.7	4.1	.1	5.1	—	5.2
500 to 749 lb	3.9	.2	4.3	—	5.1	—	5.2
750 to 999 lb	3.8	.1	3.6	—	4.9	—	3.7
1,000 to 9,999 lb	9.4	1.6	2.9	.5	4.3	.7	3.5
10,000 to 49,999 lb	8.5	2.1	5.3	1.9	5.3	1.6	6.0
50,000 to 99,999 lb	8.6	.7	15.7	2.1	10.3	1.6	10.8
100,000 lb or more	20.7	.3	14.3	.9	16.9	.7	28.2
Rail	9.0	—	8.4	—	7.5	—	6.5
Less than 50 lb	41.1	—	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	28.0
100 to 499 lb	43.5	—	46.6	—	44.0	—	20.3
500 to 749 lb	S	S	S	S	S	S	21.1
750 to 999 lb	S	S	S	S	S	S	20.6
1,000 to 9,999 lb	S	S	19.7	—	33.5	—	15.4
10,000 to 49,999 lb	39.2	3.9	13.2	.1	23.6	.5	8.6
50,000 to 99,999 lb	S	S	10.9	.1	13.9	.2	6.8
100,000 lb or more	6.8	4.4	8.6	.2	7.8	.6	7.0
Water	21.4	—	18.6	—	24.1	—	18.9
Less than 50 lb	S	S	46.0	—	S	S	23.8
50 to 99 lb	S	S	S	S	S	S	22.3
100 to 499 lb	S	S	S	S	S	S	22.6
500 to 749 lb	S	S	S	S	S	S	36.4
750 to 999 lb	S	S	S	S	S	S	23.6
1,000 to 9,999 lb	39.0	1.9	49.8	.1	S	S	24.8
10,000 to 49,999 lb	47.5	3.5	44.2	.8	S	S	22.5
50,000 to 99,999 lb	S	S	S	S	S	S	22.3
100,000 lb or more	23.3	5.8	18.6	.8	24.3	.9	21.9
Shallow draft	16.2	—	21.2	—	25.6	—	22.6
Less than 50 lb	S	S	S	S	S	S	22.3
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	21.4
500 to 749 lb	S	S	S	S	S	S	21.7
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	48.5	1.3	S	S	S	S	45.4
10,000 to 49,999 lb	36.9	5.6	49.7	4.6	S	S	22.7
50,000 to 99,999 lb	S	S	S	S	S	S	22.3
100,000 lb or more	18.1	7.2	21.2	4.7	25.8	2.8	23.8

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	48.9	—	S	S	S	S	21.8
Less than 50 lb	S	S	S	S	S	S	35.8
50 to 99 lb	S	S	S	S	S	S	22.3
100 to 499 lb	S	S	S	S	S	S	22.6
500 to 749 lb	S	S	S	S	S	S	27.6
750 to 999 lb	S	S	S	S	S	S	23.6
1,000 to 9,999 lb	S	S	S	S	S	S	22.4
10,000 to 49,999 lb	S	S	S	S	S	S	24.0
50,000 to 99,999 lb	S	S	S	S	S	S	—
100,000 lb or more	S	S	S	S	S	S	22.4
Air (includes truck and air)	10.7	—	24.7	—	30.1	—	4.1
Less than 50 lb	11.5	4.1	9.6	2.0	9.8	2.1	4.4
50 to 99 lb	12.4	1.8	9.3	1.0	8.0	1.1	5.4
100 to 499 lb	10.8	2.3	10.8	3.7	9.7	3.8	5.1
500 to 749 lb	22.6	1.0	38.7	1.6	45.1	1.7	7.2
750 to 999 lb	28.8	.4	25.6	.6	29.1	.9	9.4
1,000 to 9,999 lb	38.2	5.1	16.2	3.9	18.1	4.2	9.2
10,000 to 49,999 lb	S	S	26.3	4.1	28.4	3.7	11.9
50,000 to 99,999 lb	S	S	S	S	S	S	20.9
100,000 lb or more	S	S	S	S	S	S	21.2
Pipeline	S	S	43.4	—	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	42.3	.3	S	S	S
10,000 to 49,999 lb	46.9	3.1	48.4	3.5	S	S	S
50,000 to 99,999 lb	42.9	2.4	S	S	S	S	S
100,000 lb or more	S	S	43.5	4.7	S	S	S
Multiple modes	3.1	—	13.2	—	12.5	—	2.8
Less than 50 lb	3.7	1.5	4.5	1.1	3.7	1.2	2.9
50 to 99 lb	5.7	.6	7.7	.4	4.3	.4	3.4
100 to 499 lb	7.6	1.1	11.8	.8	8.9	.7	5.1
500 to 749 lb	17.2	.3	20.5	.1	16.9	.1	15.4
750 to 999 lb	15.8	.1	13.4	.1	18.4	.1	9.1
1,000 to 9,999 lb	S	S	47.1	.4	47.1	.5	22.2
10,000 to 49,999 lb	11.2	.3	10.4	1.9	12.8	2.8	7.8
50,000 to 99,999 lb	42.5	.1	40.9	2.4	40.6	1.0	S
100,000 lb or more	26.2	.4	18.0	5.2	17.2	5.5	17.7
Parcel, U.S. Postal Service or courier	2.9	—	6.7	—	4.0	—	2.8
Less than 50 lb	3.7	1.4	4.5	1.4	3.7	1.5	2.9
50 to 99 lb	5.7	.6	7.7	.5	4.3	.6	3.4
100 to 499 lb	7.6	1.2	11.9	1.3	8.9	1.6	5.1
500 to 749 lb	16.9	.3	20.6	.5	17.2	.5	15.9
750 to 999 lb	16.0	.1	13.5	.3	18.6	.3	9.3
1,000 to 9,999 lb	49.2	.2	48.9	.3	S	S	23.7
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	18.4	—	23.9	—	25.5	—	8.4
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	36.1	—	S	S	S	S	48.5
500 to 749 lb	S	S	S	S	S	S	20.2
750 to 999 lb	S	S	S	S	S	S	22.1
1,000 to 9,999 lb	S	S	S	S	S	S	23.1
10,000 to 49,999 lb	11.8	5.6	11.5	7.9	13.4	6.4	7.0
50,000 to 99,999 lb	33.5	.2	40.0	1.8	41.5	1.8	21.9
100,000 lb or more	39.9	3.1	37.5	8.5	S	S	21.5
Truck and water	38.4	—	38.3	—	35.1	—	15.6
Less than 50 lb	S	S	S	S	S	S	21.2
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	16.4
500 to 749 lb	S	S	S	S	S	S	21.8
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	46.1	2.9	S	S	49.0	6.6	21.8
10,000 to 49,999 lb	32.2	9.9	47.5	12.0	30.4	10.3	S
50,000 to 99,999 lb	S	S	S	S	S	S	22.0
100,000 lb or more	47.2	13.1	39.5	15.2	36.6	15.0	21.5

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	21.8	—	22.4	—	21.9	—	16.8
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	21.8
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	21.6	.1	22.4	—	21.9	—	19.9
Other multiple modes	35.2	—	32.0	—	47.6	—	S
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	21.9
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	26.0
10,000 to 49,999 lb	S	S	S	S	S	S	25.3
50,000 to 99,999 lb	45.9	10.3	45.9	7.7	46.2	8.4	20.5
100,000 lb or more	42.2	9.5	47.4	9.1	48.6	13.3	20.5
Other and unknown modes	5.5	—	11.5	—	13.8	—	15.3
Less than 50 lb	8.7	1.3	9.0	.1	10.6	—	20.4
50 to 99 lb	14.8	.5	10.0	—	20.2	—	21.7
100 to 499 lb	8.0	.7	27.2	1.0	7.2	—	22.9
500 to 749 lb	8.1	.2	12.6	.1	18.9	—	31.3
750 to 999 lb	18.3	.3	18.7	.2	18.1	—	36.0
1,000 to 9,999 lb	9.1	2.3	9.3	1.2	17.4	1.5	9.7
10,000 to 49,999 lb	12.6	2.2	10.9	3.7	13.5	4.6	16.4
50,000 to 99,999 lb	17.1	.4	35.0	1.9	35.4	2.1	29.4
100,000 lb or more	22.8	.8	20.9	5.0	29.6	6.3	35.7

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	2.4	—	3.2	—	3.4	—	3.0
01	Live animals and live fish	42.3	—	S	S	34.8	—	17.5
02	Cereal grains	38.9	—	29.2	.2	S	S	23.8
03	Other agricultural products	6.5	—	9.9	.1	19.0	.3	24.9
04	Animal feed and products of animal origin, n.e.c.	9.6	—	11.1	.2	11.0	.1	13.8
05	Meat, fish, seafood, and their preparations	7.4	.2	8.5	—	11.6	.2	24.6
06	Milled grain products and preparations, and bakery products	8.5	.1	8.2	—	11.5	—	42.1
07	Other prepared foodstuffs and fats and oils	4.6	.2	9.6	.4	11.9	.6	20.6
08	Alcoholic beverages	5.5	—	7.5	—	17.0	—	4.2
09	Tobacco products	24.0	.7	36.4	—	30.3	—	17.5
10	Monumental or building stone	22.8	—	32.8	—	20.9	—	37.4
11	Natural sands	18.7	—	18.4	.7	18.8	.2	14.8
12	Gravel and crushed stone	8.9	—	10.8	1.8	13.2	.6	14.1
13	Nonmetallic minerals n.e.c.	12.6	—	11.1	.3	14.5	.6	14.0
14	Metallic ores and concentrates	23.2	—	33.7	—	29.3	—	16.4
15	Coal	9.8	—	10.7	1.2	10.1	1.9	S
17	Gasoline and aviation turbine fuel	9.5	.2	13.2	.7	21.9	.4	9.4
18	Fuel oils	12.5	.1	13.0	.4	17.1	.1	12.3
19	Coal and petroleum products, n.e.c.	12.4	—	16.7	.2	30.0	.4	16.0
20	Basic chemicals	7.3	.1	10.3	.2	13.7	.4	23.1
21	Pharmaceutical products	12.1	.5	27.5	—	42.9	.4	10.1
22	Fertilizers	11.2	—	18.6	.8	12.8	.6	11.5
23	Chemical products and preparations, n.e.c.	5.2	.1	7.8	—	13.2	.3	15.3
24	Plastics and rubber	5.0	.3	6.7	—	10.0	.3	6.2
25	Logs and other wood in the rough	14.9	—	23.0	1.3	30.7	.5	7.9
26	Wood products	5.7	.1	15.3	.7	10.9	.5	10.4
27	Pulp, newsprint, paper, and paperboard	6.9	.1	6.5	—	8.3	.4	15.0
28	Paper or paperboard articles	6.9	.1	6.6	—	11.0	.2	10.9
29	Printed products	5.9	.2	11.9	—	11.8	—	9.4
30	Textiles, leather, and articles of textiles or leather	14.9	1.4	4.8	—	9.1	.4	3.0
31	Nonmetallic mineral products	6.9	.1	7.7	.6	7.4	.4	9.8
32	Base metal in primary or semifinished forms and in finished basic shapes	6.5	.1	14.9	.2	12.1	.3	10.4
33	Articles of base metal	5.5	.2	5.8	—	9.4	.2	8.7
34	Machinery	7.4	.4	5.6	—	8.6	—	6.6
35	Electronic and other electrical equipment and components and office equipment	11.1	1.0	11.6	—	14.4	.2	6.9
36	Motorized and other vehicles (including parts)	7.4	.5	7.5	—	8.0	.1	9.5
37	Transportation equipment, n.e.c.	17.8	.3	19.3	—	18.4	—	8.7
38	Precision instruments and apparatus	7.4	.2	22.5	—	23.9	—	9.6
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	4.6	.1	6.8	—	6.9	—	5.3
40	Miscellaneous manufactured products	12.2	.5	12.4	.2	12.6	.2	6.1
41	Waste and scrap	13.1	—	12.6	.2	15.9	.3	13.7
43	Mixed freight	22.0	1.1	24.7	.3	17.1	.2	12.5
—	Commodity unknown	15.3	—	17.5	—	23.1	—	24.5

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	2.4	—	3.2	—	3.4	—	3.0
010	Live animals and live fish	42.3	—	S	S	34.8	—	17.5
021	Wheat	16.7	—	16.9	—	24.9	—	20.6
022	Corn, except sweet	20.2	—	20.3	—	24.3	—	22.9
029	Other cereal grains	S	S	S	S	S	S	45.2
031	Fresh or chilled potatoes (Irish potatoes), except sweet	26.6	—	29.7	—	S	S	26.5
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	18.3	—	27.2	—	36.2	.2	30.8
033	Fresh, chilled, or dried edible fruit and nuts	25.0	—	31.7	—	28.8	—	18.2
034	Soya beans	28.2	—	29.0	—	S	S	13.0
035	Oil seeds and nuts, except olives and soya beans	22.6	—	18.3	—	20.6	—	16.4
036	Bulbs, live plants, and seeds for sowing, n.e.c.	22.1	—	21.3	—	34.6	—	30.3
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	16.0	—	12.9	—	13.9	—	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	15.1	—	16.7	—	20.4	—	19.2
042	Animal feed preparations	13.9	—	14.7	.2	18.3	.1	19.1
051	Meat including poultry, except preparations	6.7	.1	6.7	—	8.0	.1	23.2
052	Fish, except live, and seafood, except preparations	21.9	—	17.6	—	16.3	—	32.4
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	16.6
061	Wheat flour, groats, and meal	20.0	—	22.4	—	26.7	—	8.0
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	33.6	—	43.3	—	36.7	—	46.3
063	Food preparations of cereals, flour, starch, or milk	14.2	—	16.4	—	22.6	—	29.7
064	Bakery products	10.5	—	10.4	—	17.7	—	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	15.7	—	20.6	—	25.8	—	20.9
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	10.7	.1	17.2	—	17.0	.2	16.6
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	23.1	—	26.1	—	25.8	—	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	23.6	—	24.0	—	26.2	—	40.3
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	29.4	.1	26.8	.1	35.2	.4	12.1
076	Confectionery, cocoa, and cocoa preparations	18.3	—	21.2	—	21.2	—	16.0
077	Edible preparations, n.e.c. and vinegar	17.3	.1	18.7	—	21.3	—	14.7
078	Nonalcoholic beverages, n.e.c. and ice	10.8	.1	17.2	.4	24.2	.3	6.7
081	Malt Beer	6.4	—	8.2	—	18.0	—	5.3
082	Wine and other fermented beverages	10.8	—	10.1	—	13.7	—	7.4
083	Spirituos beverages and ethyl alcohol	11.4	—	16.7	—	S	S	6.2
090	Tobacco products	24.0	.7	36.4	—	30.3	—	17.5
100	Monumental or building stone, except dolomite	22.8	—	32.8	—	20.9	—	37.4
110	Natural sands, except metal-bearing	18.7	—	18.4	.7	18.8	.2	14.8
120	Gravel and crushed stone, except dolomite and slate	8.9	—	10.8	1.8	13.2	.6	14.1
131	Salt	S	S	S	S	S	S	17.0
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	21.0	—	23.7	.2	39.6	.2	S
133	Dolomite	S	S	45.8	.1	S	S	S
139	Other nonmetallic minerals	13.0	—	11.4	.2	15.1	.5	11.0
141	Iron ores and concentrates	S	S	S	S	S	S	S
149	Other metallic ores and concentrates	21.7	—	19.1	—	30.5	—	19.4
151	Nonagglomerated bituminous coal	10.0	—	10.9	1.3	10.3	1.9	S
159	Other coal	S	S	S	S	S	S	S
171	Gasoline	9.7	.2	13.3	.7	22.1	.4	9.6
172	Aviation turbine fuel (types A and B)	36.9	—	37.5	—	S	S	25.7
180	Fuel oils	12.5	.1	13.0	.4	17.1	.1	12.3
191	Lubricating oils and greases	20.0	—	23.5	—	28.5	—	27.3
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	35.2	—	31.4	—	26.7	—	19.8
193	Gaseous hydrocarbons	25.0	—	22.8	—	25.1	—	S
199	Other products of petroleum refining, and coal products	18.9	—	20.0	.2	35.7	.4	15.0
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	21.7	—	25.3	—	31.3	—	14.8
202	Inorganic chemicals, n.e.c.	13.4	—	13.3	.1	16.6	.2	22.9
203	Cyclic hydrocarbons	38.6	—	45.6	—	S	S	13.9
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	20.9	—	26.3	—	24.5	—	19.0
205	Organic chemicals, n.e.c.	11.6	.1	17.2	—	26.3	.3	15.1
210	Pharmaceutical products	12.1	.5	27.5	—	42.9	.4	10.1
220	Fertilizers and fertilizer materials	11.2	—	18.6	.8	12.8	.6	11.5
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	9.2	—	10.3	—	13.0	—	44.1
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	18.0	.1	27.6	—	38.8	—	11.5
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	13.9	—	12.5	—	17.1	.2	11.8
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	26.6	—	34.0	—	24.3	—	31.1
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	15.7	—	39.5	—	36.0	—	15.8
239	Other chemical products and preparations	12.0	—	14.7	—	16.4	.1	10.3
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	15.5	.1	17.6	—	20.9	.2	6.4
242	Manmade fibers and plastics basic shapes and articles	4.7	.1	7.3	—	9.9	.2	6.1

See footnotes at end of table.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	10.5	.1	14.5	—	14.0	—	16.3
250	Logs and other wood in the rough	14.9	—	23.0	1.3	30.7	.5	7.9
261	Wood chips or particles	24.9	—	32.0	.6	29.4	.2	16.6
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	10.9	.1	12.1	.2	15.6	.3	7.5
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	8.0	—	8.7	—	7.8	.1	16.3
264	Builders' joinery and carpentry of wood, except shingles and shakes	12.2	—	13.4	—	15.3	—	9.7
269	Other wood products	12.8	—	25.7	—	26.5	—	14.6
271	Pulp of fibrous cellulosic materials	21.0	—	20.2	—	26.3	.1	S
272	Newsprint in large rolls or sheets	48.9	—	45.4	—	S	S	S
273	Uncoated paper and paperboard in large rolls or sheets	11.6	.1	12.8	.1	14.1	.4	7.6
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	9.2	—	10.8	—	12.5	.2	14.3
280	Paper or paperboard articles	6.9	.1	6.6	—	11.0	.2	10.9
291	Printed books, brochures, leaflets, and similar printed products	9.8	.1	11.5	—	15.0	—	9.5
292	Newspapers, journals, and periodicals	11.5	.1	17.2	—	17.1	—	18.8
293	Advertising material, commercial or trade catalogues, and similar printed products	13.2	—	23.4	—	27.6	—	12.1
299	Other printed products	16.4	—	20.5	—	18.7	—	10.6
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	3.6	.2	4.3	—	7.0	.1	3.5
302	Textile clothing and accessories, and headgear, except safety	44.2	1.5	17.8	—	11.1	—	4.4
303	Textiles and textile articles, n.e.c.	10.6	.4	10.3	—	18.4	.3	3.7
304	Footwear	S	S	42.4	—	45.7	—	7.9
305	Leather and articles, luggage of related materials, and dressed furskins and articles	30.7	—	38.9	—	37.7	—	10.5
311	Hydraulic cements	26.4	—	28.5	.3	19.8	.1	33.0
312	Ceramic products	10.4	—	13.7	—	12.9	—	10.9
313	Glass and glass products	15.3	—	9.7	—	11.2	—	14.1
319	Other nonmetallic mineral products	6.4	—	8.3	.5	8.9	.3	14.0
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	21.9	—	S	S	39.5	.1	21.0
322	Flat-rolled products of iron or steel	14.2	—	19.5	.1	19.2	.1	9.5
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	11.1	—	16.9	.1	17.8	.2	19.4
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	9.9	.1	11.5	—	11.1	—	10.3
331	Pipes, tubes, and fittings	8.7	—	10.4	—	21.7	—	13.5
332	Structures and parts, except prefabricated buildings	10.1	—	13.4	—	20.8	.1	12.1
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	12.4	.1	9.8	—	12.0	—	9.5
339	Other articles of metal	6.2	—	10.7	—	15.5	—	16.1
341	Internal-combustion piston engines	17.7	.1	16.1	—	24.5	—	31.0
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	30.7	.2	29.9	—	42.9	—	20.5
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	16.9	.1	15.9	—	19.1	—	15.5
344	Air-conditioning, refrigerating, or freezing equipment	11.3	—	12.7	—	25.0	—	19.8
345	Materials-handling, excavating, boring, and related machinery and equipment	9.6	—	10.8	—	18.4	—	13.7
349	Other machinery	5.0	.1	8.3	—	10.0	—	7.0
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	22.4	—	22.3	—	25.0	—	14.1
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	23.0	—	S	S	S	S	31.8
353	Line telephone or telegraph apparatus	21.2	.1	18.2	—	20.3	—	9.0
354	Electronic entertainment products, except parts	18.0	—	21.9	—	21.5	—	12.1
355	Computer and office equipment	22.3	.6	17.2	—	17.8	—	8.7
356	Prepared unrecorded or prerecorded media	31.4	.1	21.6	—	24.3	—	7.8
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	30.4	.2	S	S	S	S	11.7
358	Electronic components and parts	14.6	.2	17.2	—	20.1	—	7.5
359	Other electronic and electrical equipment	8.1	.3	12.6	—	22.0	.2	9.2
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	16.7	.4	18.4	—	23.2	—	18.4
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	23.3	.2	22.4	—	24.0	—	12.7
363	Other vehicles	12.0	.1	16.7	—	23.7	—	10.7
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	8.7	.2	8.8	—	10.6	—	9.7
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	16.1	—	25.2	—	25.1	—	6.4
372	Aircraft and spacecraft	25.9	.3	39.2	—	29.6	—	7.7
373	Ships, boats, and floating structures	16.0	—	15.7	—	14.1	—	20.0
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	21.1	.1	38.4	—	45.3	—	10.8
382	Photographic and photocopying machines	21.4	—	28.5	—	34.5	—	14.2
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	27.7	—	S	S	S	S	16.8
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	19.8	.2	40.8	—	40.2	—	7.0

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	10.1	—	18.7	—	19.6	—	14.9
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	4.6	.1	6.8	—	6.9	—	5.3
401	Arms and ammunition	24.6	—	17.8	—	22.7	—	9.3
402	Toys, games, and sporting equipment	S	S	S	S	39.2	—	6.7
409	Miscellaneous manufactured products	5.2	.2	11.5	.1	12.5	.2	7.1
411	Metallic waste and scrap	15.8	—	10.7	—	17.0	.2	29.1
412	Nonmetallic waste and scrap, except from food processing	24.1	—	22.4	.1	24.1	.2	11.5
439	Mixed freight	22.0	1.1	24.7	.3	17.1	.2	12.5
—	Commodity unknown	15.3	—	17.5	—	23.1	—	24.5

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	2.4	—	3.2	—	3.4	—	3.0
Single modes	2.7	.4	3.4	.3	3.8	.8	4.1
Truck	2.8	.5	3.8	1.4	2.3	1.4	4.4
For-hire truck	3.5	1.0	7.2	1.7	3.3	1.1	3.3
Private truck	4.0	1.0	5.8	2.0	4.2	.7	9.9
Rail	9.0	.3	8.4	1.2	7.5	1.7	6.5
Water	21.4	—	18.6	.3	24.1	.7	18.9
Shallow draft	16.2	—	21.2	.3	25.6	.7	22.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	48.9	—	S	S	S	S	21.8
Air (includes truck and air)	10.7	.2	24.7	—	30.1	—	4.1
Pipeline	S	S	43.4	.4	S	S	S
Multiple modes	3.1	.3	13.2	.2	12.5	.7	2.8
Parcel, U.S. Postal Service or courier	2.9	.3	6.7	—	4.0	—	2.8
Truck and rail	18.4	—	23.9	—	25.5	.4	8.4
Truck and water	38.4	—	38.3	—	35.1	.3	15.6
Rail and water	21.8	—	22.4	.1	21.9	.4	16.8
Other multiple modes	35.2	—	32.0	—	47.6	.3	S
Other and unknown modes	5.5	.2	11.5	.2	13.8	.4	15.3
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	42.3	—	S	S	34.8	—	17.5
Single modes	42.4	.3	S	S	34.9	.3	19.0
Truck	42.4	1.1	S	S	34.9	.7	S
For-hire truck	23.0	10.4	21.4	12.8	29.4	9.4	15.7
Private truck	S	S	S	S	S	S	18.9
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.6
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.4
SCTG 02, CEREAL GRAINS							
Total	38.9	—	29.2	—	S	S	23.8
Single modes	41.2	3.2	29.3	3.4	S	S	20.3
Truck	17.0	9.1	17.2	8.0	19.9	13.5	11.0
For-hire truck	17.5	7.4	18.1	7.3	20.4	9.6	10.1
Private truck	24.1	6.3	25.3	5.9	31.3	7.0	14.7
Rail	S	S	38.8	4.9	S	S	16.8
Water	S	S	S	S	S	S	22.1
Shallow draft	S	S	S	S	S	S	21.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.8
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	27.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	49.0

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	6.5	—	9.9	—	19.0	—	24.9
Single modes	6.3	1.2	9.6	2.1	16.7	4.1	47.3
Truck	6.8	1.6	10.3	3.0	18.1	4.8	48.5
For-hire truck	9.0	3.5	17.3	4.5	21.1	5.0	5.2
Private truck	10.2	3.5	15.3	4.9	22.2	4.1	47.2
Rail	27.8	1.2	29.2	1.9	27.3	3.7	14.8
Water	S	S	S	S	S	S	21.9
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	27.7	—	25.3	—	26.3	—	7.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	29.0	.4	40.5	.3	45.0	1.7	8.2
Parcel, U.S. Postal Service or courier	32.8	.4	49.1	.1	S	S	8.8
Truck and rail	S	S	S	S	S	S	20.1
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	35.2	1.0	S	S	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	9.6	—	11.1	—	11.0	—	13.8
Single modes	9.9	1.1	11.4	1.1	11.2	1.1	13.1
Truck	10.1	1.4	11.6	1.5	10.9	3.7	13.8
For-hire truck	19.8	3.7	13.6	3.0	17.8	4.8	10.8
Private truck	11.0	3.5	14.0	3.0	10.7	4.7	16.6
Rail	19.1	.6	24.2	.8	25.4	3.0	18.2
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	24.0
Parcel, U.S. Postal Service or courier	47.7	—	34.8	—	42.6	—	24.2
Truck and rail	S	S	S	S	S	S	23.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	43.9	1.1	S	S	S	S	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	7.4	—	8.5	—	11.6	—	24.6
Single modes	7.7	.8	8.6	.8	11.8	.6	23.1
Truck	7.6	.9	8.7	.8	11.9	.7	19.8
For-hire truck	10.3	2.5	12.2	2.6	16.0	2.9	5.0
Private truck	8.9	2.9	9.7	3.2	9.4	2.7	17.6
Rail	S	S	S	S	S	S	22.1
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	19.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	19.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.0
Truck and rail	S	S	S	S	S	S	23.0
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	28.5	.8	34.0	.8	30.2	.6	25.5

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	8.5	—	8.2	—	11.5	—	42.1
Single modes	8.5	.2	8.2	.1	11.2	.3	43.1
Truck	8.5	.2	8.2	.2	11.3	.5	41.7
For-hire truck	16.2	4.6	14.6	4.2	16.7	4.6	14.8
Private truck	11.2	4.6	10.5	4.1	13.5	4.6	45.1
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	33.3	.2	40.4	.1	S	S	21.6
Parcel, U.S. Postal Service or courier	33.3	—	27.9	—	28.6	—	24.2
Truck and rail	45.4	.1	45.4	.1	S	S	19.2
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	47.2	.2	25.6
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	4.6	—	9.6	—	11.9	—	20.6
Single modes	4.8	1.1	10.0	1.6	13.0	4.4	8.6
Truck	4.5	1.2	10.0	1.8	11.0	4.8	8.5
For-hire truck	8.5	2.6	8.7	3.0	10.1	3.9	8.4
Private truck	6.7	2.6	14.4	3.2	18.3	3.7	6.0
Rail	26.7	.5	29.8	.9	44.6	2.5	11.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	48.4	—	S	S	S	S	20.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	38.0	.9	46.7	1.4	49.9	4.3	12.0
Parcel, U.S. Postal Service or courier	35.3	.1	45.7	—	44.0	.1	12.1
Truck and rail	S	S	S	S	S	S	27.1
Truck and water	49.5	.8	49.5	1.4	S	S	22.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	36.0	.3	37.0	.3	28.4	.3	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	5.5	—	7.5	—	17.0	—	4.2
Single modes	5.6	.6	7.7	.7	17.3	1.3	4.1
Truck	5.6	.8	7.6	.9	17.4	1.8	4.1
For-hire truck	17.6	3.1	19.5	4.5	23.7	8.2	S
Private truck	7.5	3.4	10.1	4.9	33.9	8.8	4.3
Rail	S	S	S	S	S	S	19.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	42.8
Truck and water	S	S	S	S	S	S	28.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	49.4	.4	S	S	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	24.0	—	36.4	—	30.3	—	17.5
Single modes	24.5	4.0	37.1	4.0	30.1	6.4	13.4
Truck	24.5	4.0	37.1	4.0	30.1	6.4	13.4
For-hire truck	32.1	7.6	24.6	9.2	33.2	7.2	8.8
Private truck	41.4	6.2	S	S	47.1	4.0	7.1
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	36.8	3.3	41.2	2.0	S	S	19.3
Parcel, U.S. Postal Service or courier	33.1	3.4	33.2	2.0	34.5	5.2	14.6
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	35.5	1.4	44.7	2.8	45.4	3.0	24.9
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	22.8	—	32.8	—	20.9	—	37.4
Single modes	22.9	.5	32.9	1.5	21.6	2.3	40.2
Truck	22.9	.5	32.9	1.5	21.6	2.3	40.2
For-hire truck	24.3	7.3	38.4	8.8	30.0	7.1	16.0
Private truck	30.3	7.2	48.3	8.0	24.7	6.7	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.9
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	45.3	.5	48.9	1.4	S	S	S
SCTG 11, NATURAL SANDS							
Total	18.7	—	18.4	—	18.8	—	14.8
Single modes	19.1	1.3	18.4	.2	18.8	—	14.9
Truck	20.9	3.7	19.0	1.3	21.1	4.7	14.7
For-hire truck	13.8	5.2	24.5	5.8	23.6	5.4	13.7
Private truck	38.9	5.8	23.5	5.8	28.5	4.8	16.8
Rail	36.9	3.5	27.3	1.3	24.5	4.6	25.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.0
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	8.9	—	10.8	—	13.2	—	14.1
Single modes	9.0	.3	10.8	.2	13.3	.2	14.1
Truck	9.7	1.5	11.8	1.9	12.3	5.2	14.5
For-hire truck	18.6	3.7	15.1	3.7	20.3	4.6	17.5
Private truck	15.7	4.0	19.8	4.1	17.5	4.8	20.5
Rail	24.2	1.4	29.3	1.9	38.2	5.2	16.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.3
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	39.1	.3	43.4	.2	S	S	22.7
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	12.6	—	11.1	—	14.5	—	14.0
Single modes	12.6	2.1	11.7	2.2	12.2	4.8	14.1
Truck	17.4	3.9	14.1	5.4	15.7	3.3	16.1
For-hire truck	21.1	3.9	15.5	3.0	17.1	2.9	11.2
Private truck	30.6	2.7	18.1	3.7	17.6	.8	24.3
Rail	8.4	3.3	14.3	4.0	14.5	4.1	15.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	35.4	1.6	40.3	3.7	S	S	S
Multiple modes	S	S	S	S	S	S	28.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	S	S	S	S	S	S	20.3
Truck and water	S	S	S	S	S	S	22.4
Rail and water	S	S	S	S	S	S	21.8
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	48.9	.6	36.5
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	23.2	—	33.7	—	29.3	—	16.4
Single modes	23.0	3.4	34.6	2.4	30.3	3.8	20.2
Truck	24.9	6.4	43.2	7.1	26.3	8.9	32.3
For-hire truck	27.6	7.8	29.2	8.5	34.7	8.2	14.1
Private truck	31.0	7.4	S	S	37.3	9.0	46.0
Rail	37.0	5.5	28.4	7.1	38.3	9.3	17.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	18.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	23.7
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	23.7
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	27.1

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	9.8	—	10.7	—	10.1	—	S
Single modes	11.3	2.1	12.2	2.1	11.3	1.9	S
Truck	28.3	3.0	30.0	3.6	27.9	.4	33.3
For-hire truck	30.8	2.5	33.2	3.1	30.2	.3	27.5
Private truck	47.1	1.2	S	S	S	S	34.1
Rail	13.6	4.2	15.2	4.5	13.1	3.7	3.5
Water	22.7	2.5	23.7	2.7	28.7	2.8	19.6
Shallow draft	22.7	2.5	23.7	2.7	28.7	2.8	19.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	23.9	1.7	20.7	1.6	18.3	1.9	23.6
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	44.5	.3	28.8
Rail and water	24.9	1.4	25.0	1.5	25.1	2.0	18.2
Other multiple modes	49.1	.2	48.9	.2	48.7	1.0	20.5
Other and unknown modes	26.0	1.4	26.0	1.5	24.6	.6	S
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	9.5	—	13.2	—	21.9	—	9.4
Single modes	9.4	.4	13.1	.3	21.9	.2	9.5
Truck	10.0	2.4	13.9	2.5	22.4	1.2	9.5
For-hire truck	22.0	3.8	28.1	4.2	32.4	4.2	6.6
Private truck	6.8	3.8	6.9	3.9	24.5	3.7	18.5
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	S	S	S	S	S	S	S
Multiple modes	44.9	.4	44.0	.3	47.1	.2	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	44.8	.4	43.9	.2	45.1	.2	20.1
Other and unknown modes	40.5	.1	43.4	.1	43.8	.1	40.9
SCTG 18, FUEL OILS							
Total	12.5	—	13.0	—	17.1	—	12.3
Single modes	12.6	.1	13.1	.1	17.1	—	12.3
Truck	9.9	3.4	10.2	3.5	16.7	2.2	12.3
For-hire truck	18.7	3.6	18.2	3.9	26.4	4.8	7.4
Private truck	9.4	3.8	10.9	3.8	21.7	4.1	18.3
Rail	S	S	S	S	S	S	20.6
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	22.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	29.5	.1	29.1	.1	39.2	—	29.6

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	12.4	—	16.7	—	30.0	—	16.0
Single modes	12.4	.3	16.8	.3	30.1	.2	11.9
Truck	12.8	1.9	17.9	4.0	19.4	9.3	12.0
For-hire truck	23.4	4.1	28.9	4.8	31.1	6.0	14.0
Private truck	15.4	4.1	24.7	5.3	20.4	6.1	8.2
Rail	29.0	2.0	46.7	4.1	S	S	29.2
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	39.9	.1	48.1	—	45.4	—	14.1
Parcel, U.S. Postal Service or courier	41.9	.1	44.6	—	S	S	14.1
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	34.8	.3	S	S	39.6	.1	37.6
SCTG 20, BASIC CHEMICALS							
Total	7.3	—	10.3	—	13.7	—	23.1
Single modes	7.5	.8	10.5	.7	13.9	1.4	14.1
Truck	6.9	2.3	10.9	3.0	12.3	4.7	14.3
For-hire truck	8.3	2.6	14.4	3.3	14.5	4.0	7.4
Private truck	11.2	1.9	16.6	3.8	18.9	2.0	21.7
Rail	17.4	2.2	16.9	2.8	21.7	4.5	8.4
Water	S	S	S	S	S	S	21.7
Shallow draft	S	S	S	S	S	S	21.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	35.0	—	S	S	S	S	11.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	22.8	.5	34.4	.4	47.7	1.2	14.3
Parcel, U.S. Postal Service or courier	17.6	.2	25.5	—	34.7	—	14.9
Truck and rail	46.9	.5	37.9	.4	49.7	1.2	31.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	33.7	.8	25.3	.5	31.9	.5	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	12.1	—	27.5	—	42.9	—	10.1
Single modes	14.7	3.9	27.7	1.0	43.8	2.0	15.4
Truck	17.3	5.0	26.3	1.5	39.8	3.4	18.3
For-hire truck	20.0	4.9	35.1	4.9	43.6	3.8	12.1
Private truck	16.0	2.3	29.5	5.0	27.3	2.4	33.5
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	44.7	4.3	21.6	.2	31.9	1.0	8.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	15.7	3.7	14.2	1.2	18.2	2.2	8.6
Parcel, U.S. Postal Service or courier	15.6	3.7	13.8	1.2	17.0	2.2	8.6
Truck and rail	49.8	—	46.7	—	S	S	21.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	28.5

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	11.2	—	18.6	—	12.8	—	11.5
Single modes	11.4	.7	18.7	.7	12.9	.7	11.2
Truck	15.3	3.8	14.2	4.9	16.4	6.1	8.5
For-hire truck	17.6	2.2	18.9	2.1	22.5	3.5	12.1
Private truck	17.5	3.0	19.7	3.9	13.3	3.5	11.4
Rail	13.7	4.9	24.4	6.6	14.5	7.0	13.0
Water	S	S	S	S	S	S	23.9
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	45.6
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	28.1
Parcel, U.S. Postal Service or courier	S	S	S	S	49.6	—	24.5
Truck and rail	S	S	S	S	S	S	22.3
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	29.3	.3	34.7	.2	41.5	.1	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	5.2	—	7.8	—	13.2	—	15.3
Single modes	4.9	1.4	7.9	1.5	12.7	2.8	11.3
Truck	4.7	1.5	7.7	2.6	8.9	5.0	11.6
For-hire truck	6.5	2.4	12.3	4.1	10.1	4.2	4.3
Private truck	8.6	2.3	10.9	3.6	14.6	1.9	17.5
Rail	23.9	.6	32.3	1.4	38.2	3.1	10.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	18.9	—	24.7	—	S	S	12.0
Pipeline	46.6	—	46.9	—	S	S	S
Multiple modes	19.2	1.2	37.7	1.1	41.3	2.9	11.6
Parcel, U.S. Postal Service or courier	21.7	1.1	16.6	.1	15.6	.1	11.6
Truck and rail	43.7	.8	47.1	1.1	44.3	2.9	18.0
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	23.1
Other and unknown modes	22.3	.6	44.9	.9	35.1	.3	S
SCTG 24, PLASTICS AND RUBBER							
Total	5.0	—	6.7	—	10.0	—	6.2
Single modes	5.6	1.0	6.8	.8	9.4	1.7	8.9
Truck	5.7	1.1	7.0	1.5	9.5	2.9	8.2
For-hire truck	7.5	1.9	10.3	2.5	10.6	2.6	5.1
Private truck	7.5	2.1	7.1	2.4	13.6	2.2	14.9
Rail	19.6	.5	22.3	1.4	23.2	2.6	20.2
Water	S	S	S	S	S	S	21.8
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	22.3	.1	S	S	49.0	.2	5.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	10.3	.7	31.3	.7	30.3	1.8	4.6
Parcel, U.S. Postal Service or courier	9.8	.7	7.7	.1	9.3	.3	4.6
Truck and rail	S	S	46.7	.7	36.1	1.9	13.1
Truck and water	S	S	S	S	S	S	30.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	16.6	.7	14.2	.4	23.7	.5	43.9

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	14.9	—	23.0	—	30.7	—	7.9
Single modes	15.0	.8	23.2	.5	31.4	1.3	7.4
Truck	15.0	.9	23.2	.5	32.2	1.9	7.3
For-hire truck	23.8	5.7	44.1	6.6	S	S	7.1
Private truck	18.7	5.9	22.1	6.5	21.1	6.8	9.3
Rail	33.8	.4	S	S	S	S	S
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	50.0	.8	S	S	32.5	.2	S
SCTG 26, WOOD PRODUCTS							
Total	5.7	—	15.3	—	10.9	—	10.4
Single modes	6.1	.7	15.6	.5	11.6	1.4	6.4
Truck	6.2	.9	16.4	1.3	12.9	1.8	5.9
For-hire truck	13.2	2.6	16.2	3.5	14.8	2.4	7.7
Private truck	5.5	2.9	27.5	4.0	19.6	2.4	6.8
Rail	9.0	.4	18.6	1.1	13.0	1.5	11.3
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	17.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	28.9	.5	37.5	.2	31.7	1.3	8.7
Parcel, U.S. Postal Service or courier	34.4	.5	32.5	—	33.0	—	9.0
Truck and rail	28.9	—	40.9	.2	33.1	1.3	31.2
Truck and water	S	S	S	S	S	S	21.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	28.2	.6	16.7	.3	19.9	.3	18.4
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	6.9	—	6.5	—	8.3	—	15.0
Single modes	6.9	.3	6.5	.3	8.2	.7	10.4
Truck	7.3	1.7	6.8	2.1	9.0	2.4	8.9
For-hire truck	8.6	2.6	8.4	2.6	10.1	2.8	7.1
Private truck	10.6	1.9	12.8	1.5	21.9	.9	7.9
Rail	9.9	1.8	9.4	2.2	10.7	2.5	3.5
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	49.2	—	S	S	19.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	21.5	.3	30.8	.2	38.9	.6	16.9
Parcel, U.S. Postal Service or courier	23.1	.2	21.2	—	36.1	—	18.0
Truck and rail	34.0	.2	33.7	.2	39.9	.6	17.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	18.8	.2	21.8	.2	39.8	.3	31.9

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	6.9	—	6.6	—	11.0	—	10.9
Single modes	6.9	.9	6.7	.5	11.1	.6	15.6
Truck	7.0	1.1	6.2	1.5	10.3	3.3	16.8
For-hire truck	9.1	2.6	7.0	2.8	10.5	3.2	7.5
Private truck	8.5	2.2	11.9	2.5	16.1	1.5	27.7
Rail	42.0	.5	40.5	1.5	43.4	3.4	19.9
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	13.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	17.6	.6	17.8	.1	25.7	.4	9.5
Parcel, U.S. Postal Service or courier	19.3	.6	19.5	—	24.1	.1	9.5
Truck and rail	30.7	.2	29.4	.1	30.0	.4	20.1
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	22.5	.5	19.8	.4	27.2	.5	45.0
SCTG 29, PRINTED PRODUCTS							
Total	5.9	—	11.9	—	11.8	—	9.4
Single modes	5.5	2.6	12.2	1.8	13.4	2.0	15.2
Truck	5.6	2.7	12.2	1.8	13.8	2.2	11.3
For-hire truck	8.1	2.4	23.4	3.6	10.4	3.2	18.4
Private truck	7.8	2.4	12.7	4.4	46.0	3.5	11.9
Rail	S	S	S	S	S	S	24.6
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	29.4	.5	25.5	.1	29.4	.8	13.7
Pipeline	—	—	—	—	S	S	S
Multiple modes	20.7	2.7	12.7	.5	22.7	1.9	7.8
Parcel, U.S. Postal Service or courier	20.8	2.7	12.4	.5	23.2	1.9	7.8
Truck and rail	S	S	S	S	48.2	.2	21.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	16.1	1.0	24.6	1.6	33.5	.6	35.4
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	14.9	—	4.8	—	9.1	—	3.0
Single modes	16.4	.8	4.6	.4	7.8	1.1	4.0
Truck	16.4	.8	4.7	.7	7.9	1.8	3.0
For-hire truck	15.4	1.8	7.8	2.0	9.2	2.0	2.3
Private truck	19.8	1.5	5.2	2.0	15.1	2.1	8.5
Rail	S	S	S	S	S	S	26.2
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	11.8	—	13.5	—	12.1	—	8.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	6.2	.7	23.9	.3	48.6	1.0	2.2
Parcel, U.S. Postal Service or courier	5.3	.7	5.3	—	6.1	.3	2.2
Truck and rail	S	S	S	S	S	S	17.9
Truck and water	S	S	S	S	S	S	24.1
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	14.2	.3	22.3	.4	20.2	.4	38.3

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	6.9	—	7.7	—	7.4	—	9.8
Single modes	7.0	.4	7.9	.6	8.0	1.8	6.6
Truck	6.0	1.0	8.0	.6	6.5	2.1	6.7
For-hire truck	8.5	2.1	8.1	2.6	7.7	2.5	8.0
Private truck	7.5	2.3	10.6	2.8	12.7	2.8	7.7
Rail	13.5	.2	14.4	.3	25.2	2.0	11.9
Water	47.1	—	47.9	—	S	S	22.1
Shallow draft	47.1	—	47.9	—	S	S	22.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	14.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	16.7	.5	37.8	.3	28.5	.6	4.6
Parcel, U.S. Postal Service or courier	17.7	.5	12.4	—	14.4	—	4.5
Truck and rail	31.4	—	41.5	.3	33.4	.6	41.3
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	11.4	.3	19.2	.3	32.9	1.4	33.6
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	6.5	—	14.9	—	12.1	—	10.4
Single modes	6.6	.5	15.5	1.6	12.7	3.3	6.8
Truck	6.1	1.0	13.2	2.4	11.1	4.1	7.0
For-hire truck	6.5	2.1	12.9	2.8	11.9	4.0	5.3
Private truck	9.7	2.2	15.8	2.6	15.3	2.2	8.4
Rail	23.6	.8	38.9	1.9	29.4	3.5	17.7
Water	S	S	S	S	S	S	21.7
Shallow draft	S	S	S	S	S	S	21.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	23.0	—	28.0	—	8.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	21.1	.4	20.1	—	23.4	.1	8.9
Parcel, U.S. Postal Service or courier	22.5	.4	16.2	—	20.8	—	8.9
Truck and rail	41.2	—	40.4	—	37.1	.1	19.6
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	11.6	.3	28.4	1.6	37.2	3.2	38.9
SCTG 33, ARTICLES OF BASE METAL							
Total	5.5	—	5.8	—	9.4	—	8.7
Single modes	4.9	1.4	5.9	1.1	8.4	3.7	13.2
Truck	5.1	1.5	6.1	1.5	7.1	4.4	15.3
For-hire truck	6.3	1.4	8.6	2.4	8.6	3.7	7.4
Private truck	5.9	1.5	8.0	2.7	10.4	2.5	8.6
Rail	S	S	S	S	S	S	20.6
Water	S	S	S	S	S	S	27.9
Shallow draft	S	S	S	S	S	S	21.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	38.9	.3	47.2	.1	S	S	8.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	13.2	1.3	15.9	.3	17.6	.7	7.7
Parcel, U.S. Postal Service or courier	13.3	1.3	15.8	.3	13.6	.4	7.7
Truck and rail	42.9	—	39.1	—	44.7	.5	20.4
Truck and water	S	S	S	S	S	S	19.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	15.3	.5	26.8	1.1	49.6	3.8	15.8

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	7.4	—	5.6	—	8.6	—	6.6
Single modes	7.9	1.5	5.9	1.3	9.7	1.9	10.6
Truck	7.5	1.3	5.8	1.4	9.7	2.0	10.9
For-hire truck	8.3	1.6	8.1	2.7	10.0	3.0	10.4
Private truck	12.8	1.8	9.1	2.4	35.0	2.1	11.5
Rail	S	S	49.6	.3	47.4	.4	24.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	21.0	.4	15.6	—	14.6	.1	4.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	11.3	1.3	13.2	.6	18.1	1.7	7.3
Parcel, U.S. Postal Service or courier	12.0	1.3	15.9	.5	14.8	.5	7.4
Truck and rail	38.0	.3	38.9	.4	37.2	1.4	15.5
Truck and water	47.5	—	S	S	S	S	19.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	15.5	.5	18.3	.9	12.2	.5	15.0
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	11.1	—	11.6	—	14.4	—	6.9
Single modes	15.7	2.8	12.2	1.5	16.5	2.4	8.4
Truck	17.4	2.9	12.1	1.5	16.6	2.4	9.8
For-hire truck	26.1	3.1	10.6	2.5	10.8	3.5	5.1
Private truck	16.4	2.5	21.6	2.9	S	S	23.7
Rail	S	S	S	S	S	S	21.3
Water	S	S	S	S	S	S	22.1
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	19.6	1.2	23.5	.2	30.3	.4	3.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	6.5	2.0	9.3	1.1	15.2	2.4	5.4
Parcel, U.S. Postal Service or courier	6.6	2.0	9.6	.9	10.3	1.1	5.5
Truck and rail	40.0	—	47.2	.4	S	S	16.6
Truck and water	S	S	S	S	S	S	20.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	12.5	1.1	26.7	1.1	33.7	.7	27.1
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	7.4	—	7.5	—	8.0	—	9.5
Single modes	7.8	1.5	7.6	1.4	9.2	2.4	18.2
Truck	7.2	3.2	7.5	2.0	8.2	4.0	20.1
For-hire truck	8.1	3.0	8.8	2.8	7.7	4.1	5.3
Private truck	10.2	2.6	13.5	2.5	23.7	3.3	18.3
Rail	34.0	3.4	28.9	2.3	31.9	4.3	20.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	24.4	.2	31.2	.2	39.2	.3	7.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	17.2	1.2	18.3	.8	24.5	1.4	4.5
Parcel, U.S. Postal Service or courier	13.2	.6	8.8	.3	10.3	.2	4.5
Truck and rail	S	S	43.9	.7	43.7	1.4	20.7
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	13.0	.8	19.6	1.1	32.1	2.3	27.9

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	17.8	—	19.3	—	18.4	—	8.7
Single modes	20.6	3.3	20.0	3.2	18.8	2.3	10.8
Truck	23.9	4.7	26.5	7.9	14.1	8.6	25.9
For-hire truck	30.7	4.3	26.2	6.1	16.6	7.4	7.3
Private truck	36.9	3.8	30.1	4.7	21.9	4.7	S
Rail	27.6	2.3	29.8	9.5	30.3	9.7	25.6
Water	43.8	.5	43.6	1.2	S	S	24.5
Shallow draft	48.9	.2	48.3	.1	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.7
Air (includes truck and air)	38.7	4.1	24.3	.3	25.7	.7	5.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	22.8	3.3	26.7	2.5	47.8	2.3	6.0
Parcel, U.S. Postal Service or courier	24.0	3.3	37.1	2.4	34.8	2.0	6.1
Truck and rail	S	S	S	S	S	S	21.5
Truck and water	S	S	S	S	S	S	25.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	31.7	1.0	35.8	1.6	39.3	.9	31.2
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	7.4	—	22.5	—	23.9	—	9.6
Single modes	9.2	3.5	26.7	3.9	28.6	5.2	14.4
Truck	10.1	3.0	28.2	3.9	30.9	5.3	11.8
For-hire truck	13.6	3.2	31.4	5.1	31.5	5.7	22.7
Private truck	19.3	2.9	23.1	3.6	22.4	1.2	25.2
Rail	S	S	S	S	S	S	22.4
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	15.3	1.7	S	S	39.4	2.2	9.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	15.1	3.7	19.9	3.9	21.7	5.4	7.8
Parcel, U.S. Postal Service or courier	15.2	3.7	20.1	3.4	21.2	3.9	7.9
Truck and rail	S	S	S	S	S	S	21.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	32.7	1.1	48.8	2.0	S	S	S
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	4.6	—	6.8	—	6.9	—	5.3
Single modes	4.8	.8	7.3	.7	7.2	1.1	5.7
Truck	4.8	.7	7.3	.7	7.2	1.1	5.8
For-hire truck	6.3	1.7	9.4	1.9	8.2	2.0	2.8
Private truck	6.1	1.5	7.2	1.8	10.0	1.5	14.0
Rail	S	S	S	S	S	S	19.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	37.1	.2	48.2	—	41.1	—	14.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	16.8	.6	18.2	.4	19.5	.7	7.2
Parcel, U.S. Postal Service or courier	18.6	.6	21.6	.3	19.4	.5	7.1
Truck and rail	37.0	.1	35.6	.2	39.9	.3	18.7
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	23.1	.5	22.6	.4	48.8	.8	47.7

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	12.2	—	12.4	—	12.6	—	6.1
Single modes	14.7	1.5	12.8	1.6	14.2	2.4	12.6
Truck	14.6	1.7	12.6	1.7	14.1	2.6	14.1
For-hire truck	7.1	2.6	11.7	4.5	14.6	4.1	6.1
Private truck	28.6	2.8	20.3	4.3	19.8	3.1	22.5
Rail	S	S	S	S	S	S	18.0
Water	S	S	S	S	S	S	24.7
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	27.7	.3	25.9	—	31.1	.1	5.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	7.2	1.4	11.8	.4	10.2	.9	4.5
Parcel, U.S. Postal Service or courier	7.4	1.4	13.1	.3	10.0	.6	4.5
Truck and rail	39.2	.1	41.1	.2	37.0	.7	22.2
Truck and water	S	S	S	S	S	S	21.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	22.8	.7	44.2	1.5	43.6	2.1	21.4
SCTG 41, WASTE AND SCRAP							
Total	13.1	—	12.6	—	15.9	—	13.7
Single modes	13.5	1.5	12.1	.8	15.6	1.5	13.7
Truck	14.9	2.9	13.4	3.4	17.5	4.0	15.6
For-hire truck	10.9	4.7	14.8	3.6	17.2	4.4	8.6
Private truck	39.3	4.8	17.6	2.7	39.4	1.9	36.3
Rail	19.2	2.3	18.1	3.3	19.9	4.1	14.4
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	47.2	1.5	S	S	S	S	20.8
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.4
Truck and rail	46.2	1.5	S	S	S	S	19.9
Truck and water	S	S	S	S	S	S	23.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	18.5
SCTG 43, MIXED FREIGHT							
Total	22.0	—	24.7	—	17.1	—	12.5
Single modes	22.5	1.0	24.9	.4	17.5	1.3	15.7
Truck	22.5	1.0	24.9	.5	17.5	1.3	17.6
For-hire truck	14.7	1.5	15.2	2.3	23.8	5.1	23.1
Private truck	23.5	2.2	26.6	2.3	20.3	5.1	15.8
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	47.2	1.0	S	S	S	S	24.0
Parcel, U.S. Postal Service or courier	47.2	1.0	S	S	S	S	24.0
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	48.8	.2	31.0	.2	36.7	.4	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	15.3	—	17.5	—	23.1	—	24.5
Single modes	16.5	3.7	19.7	4.9	24.4	4.5	34.1
Truck	16.7	3.7	20.5	5.4	24.6	5.2	16.7
For-hire truck	24.8	5.6	20.6	5.7	31.9	5.4	10.5
Private truck	20.6	5.3	26.2	5.9	27.6	5.3	31.6
Rail	S	S	S	S	S	S	21.2
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	15.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	23.0	3.0	43.6	.5	31.2	1.1	12.5
Parcel, U.S. Postal Service or courier	23.8	3.0	33.6	.5	34.6	1.1	12.5
Truck and rail	S	S	S	S	S	S	26.5
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	41.7	1.7	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	2.4	3.2	3.4
Less than 50 miles	2.5	3.7	4.1
50 to 99 miles	10.9	12.0	11.0
100 to 249 miles	4.4	7.1	8.4
250 to 499 miles	4.7	7.8	7.8
500 to 749 miles	2.9	5.6	6.6
750 to 999 miles	2.9	5.5	5.9
1,000 to 1,499 miles	5.4	8.6	8.9
1,500 to 1,999 miles	12.4	10.0	10.5
2,000 miles or more	5.7	4.3	4.5
SCTG 01, Live animals and live fish	42.3	S	34.8
Less than 50 miles	47.7	S	S
50 to 99 miles	48.9	S	S
100 to 249 miles	S	S	S
250 to 499 miles	45.2	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	43.2	41.7	41.4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	38.9	29.2	S
Less than 50 miles	26.3	28.9	31.1
50 to 99 miles	19.7	20.5	23.3
100 to 249 miles	22.4	23.3	26.3
250 to 499 miles	42.1	45.6	42.0
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	6.5	9.9	19.0
Less than 50 miles	11.4	16.4	24.9
50 to 99 miles	13.2	14.7	15.4
100 to 249 miles	14.7	15.3	16.5
250 to 499 miles	12.1	30.3	29.8
500 to 749 miles	16.8	23.7	25.0
750 to 999 miles	26.8	S	S
1,000 to 1,499 miles	20.6	38.2	38.1
1,500 to 1,999 miles	20.7	48.7	S
2,000 miles or more	42.7	28.0	28.1
SCTG 04, Animal feed and products of animal origin, n.e.c.	9.6	11.1	11.0
Less than 50 miles	12.0	13.4	13.8
50 to 99 miles	21.7	25.8	25.8
100 to 249 miles	21.2	15.9	17.0
250 to 499 miles	19.4	17.2	17.5
500 to 749 miles	19.1	20.7	21.1
750 to 999 miles	S	40.6	42.0
1,000 to 1,499 miles	41.9	36.5	36.8
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	38.3	38.9
SCTG 05, Meat, fish, seafood, and their preparations	7.4	8.5	11.6
Less than 50 miles	11.9	12.9	14.5
50 to 99 miles	9.6	8.3	8.7
100 to 249 miles	9.0	9.3	9.4
250 to 499 miles	7.2	8.4	8.3
500 to 749 miles	9.5	10.4	10.4
750 to 999 miles	19.6	13.7	13.6
1,000 to 1,499 miles	39.1	S	S
1,500 to 1,999 miles	24.8	21.1	19.7
2,000 miles or more	19.4	21.7	21.9
SCTG 06, Milled grain products and preparations, and bakery products	8.5	8.2	11.5
Less than 50 miles	12.7	9.7	14.9
50 to 99 miles	11.8	13.5	13.6
100 to 249 miles	11.0	10.1	10.9
250 to 499 miles	14.1	14.2	14.7
500 to 749 miles	17.0	15.0	15.3
750 to 999 miles	14.8	14.1	14.7
1,000 to 1,499 miles	39.4	37.3	36.0
1,500 to 1,999 miles	32.5	29.8	30.2
2,000 miles or more	26.7	28.4	28.8
SCTG 07, Other prepared foodstuffs and fats and oils	4.6	9.6	11.9
Less than 50 miles	6.4	10.5	12.1
50 to 99 miles	8.0	15.0	16.0
100 to 249 miles	8.9	13.2	13.3
250 to 499 miles	11.8	13.4	12.7
500 to 749 miles	17.5	28.2	28.3
750 to 999 miles	16.2	25.1	24.9
1,000 to 1,499 miles	20.7	31.3	29.5
1,500 to 1,999 miles	19.9	21.6	21.3
2,000 miles or more	13.3	15.6	16.1

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	5.5	7.5	17.0
Less than 50 miles	5.2	6.7	7.4
50 to 99 miles	12.3	13.3	13.3
100 to 249 miles	14.3	16.3	16.2
250 to 499 miles	20.4	20.1	20.3
500 to 749 miles	30.3	30.5	32.1
750 to 999 miles	47.5	47.0	46.8
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	24.0	36.4	30.3
Less than 50 miles	36.8	49.0	S
50 to 99 miles	22.0	27.7	28.0
100 to 249 miles	26.1	25.8	23.4
250 to 499 miles	31.1	26.0	26.3
500 to 749 miles	26.8	24.8	25.0
750 to 999 miles	32.9	31.8	32.0
1,000 to 1,499 miles	49.3	48.7	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	39.2	44.2	45.0
SCTG 10, Monumental or building stone	22.8	32.8	20.9
Less than 50 miles	38.5	38.3	36.8
50 to 99 miles	45.2	44.8	S
100 to 249 miles	S	48.8	47.3
250 to 499 miles	27.5	37.1	35.7
500 to 749 miles	27.7	22.9	22.3
750 to 999 miles	26.5	33.9	33.2
1,000 to 1,499 miles	S	47.0	45.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	43.0	S	S
SCTG 11, Natural sands	18.7	18.4	18.8
Less than 50 miles	29.9	19.6	20.9
50 to 99 miles	25.3	33.5	33.0
100 to 249 miles	26.2	20.3	21.7
250 to 499 miles	31.7	33.8	35.3
500 to 749 miles	44.4	34.5	34.0
750 to 999 miles	44.4	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	47.0	48.0	47.6
SCTG 12, Gravel and crushed stone	8.9	10.8	13.2
Less than 50 miles	10.7	12.7	11.2
50 to 99 miles	15.3	14.3	14.3
100 to 249 miles	17.2	19.8	20.8
250 to 499 miles	29.5	38.4	39.0
500 to 749 miles	40.8	S	S
750 to 999 miles	37.9	37.2	37.3
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	12.6	11.1	14.5
Less than 50 miles	15.3	17.8	19.7
50 to 99 miles	27.6	29.0	28.2
100 to 249 miles	17.5	17.0	21.0
250 to 499 miles	44.5	18.1	17.6
500 to 749 miles	14.4	12.2	12.3
750 to 999 miles	12.9	21.8	22.0
1,000 to 1,499 miles	20.5	25.1	25.0
1,500 to 1,999 miles	29.0	40.2	38.3
2,000 miles or more	28.2	36.4	37.4
SCTG 14, Metallic ores and concentrates	23.2	33.7	29.3
Less than 50 miles	36.6	S	S
50 to 99 miles	S	35.6	37.2
100 to 249 miles	35.3	30.5	32.0
250 to 499 miles	31.6	30.4	31.6
500 to 749 miles	42.7	50.0	S
750 to 999 miles	S	33.8	33.9
1,000 to 1,499 miles	S	30.6	33.0
1,500 to 1,999 miles	S	36.0	36.2
2,000 miles or more	S	S	S
SCTG 15, Coal	9.8	10.7	10.1
Less than 50 miles	15.4	17.6	16.7
50 to 99 miles	30.9	30.1	32.8
100 to 249 miles	17.4	18.4	18.1
250 to 499 miles	14.1	15.2	14.3
500 to 749 miles	26.4	26.1	27.7
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	9.5	13.2	21.9
Less than 50 miles	5.6	7.3	6.4
50 to 99 miles	34.0	41.3	38.3
100 to 249 miles	21.2	25.0	25.2
250 to 499 miles	35.3	34.2	38.7
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	12.5	13.0	17.1
Less than 50 miles	13.4	14.2	13.9
50 to 99 miles	21.5	21.7	21.0
100 to 249 miles	26.5	24.7	24.7
250 to 499 miles	42.8	43.1	49.9
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	12.4	16.7	30.0
Less than 50 miles	13.9	24.4	30.0
50 to 99 miles	17.1	19.5	20.7
100 to 249 miles	23.8	33.9	31.7
250 to 499 miles	19.2	42.8	S
500 to 749 miles	19.6	30.0	32.2
750 to 999 miles	38.3	S	S
1,000 to 1,499 miles	41.8	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	44.5	S	S
SCTG 20, Basic chemicals	7.3	10.3	13.7
Less than 50 miles	10.6	15.0	14.3
50 to 99 miles	13.4	15.7	16.7
100 to 249 miles	11.0	15.7	15.5
250 to 499 miles	17.4	19.5	20.9
500 to 749 miles	10.5	12.3	12.3
750 to 999 miles	15.3	20.7	24.6
1,000 to 1,499 miles	17.8	22.1	22.7
1,500 to 1,999 miles	29.3	37.5	39.7
2,000 miles or more	23.4	36.3	36.4
SCTG 21, Pharmaceutical products	12.1	27.5	42.9
Less than 50 miles	29.3	38.5	23.8
50 to 99 miles	16.5	26.7	27.5
100 to 249 miles	15.9	14.6	14.5
250 to 499 miles	16.5	37.6	38.9
500 to 749 miles	17.2	47.7	46.9
750 to 999 miles	19.3	49.5	49.2
1,000 to 1,499 miles	28.9	49.6	S
1,500 to 1,999 miles	29.1	39.5	39.1
2,000 miles or more	19.4	S	S
SCTG 22, Fertilizers	11.2	18.6	12.8
Less than 50 miles	13.6	21.8	26.0
50 to 99 miles	26.4	10.4	10.9
100 to 249 miles	18.3	15.4	17.1
250 to 499 miles	17.8	17.0	17.1
500 to 749 miles	25.2	21.7	22.2
750 to 999 miles	24.7	27.0	26.7
1,000 to 1,499 miles	29.3	27.1	27.7
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	5.2	7.8	13.2
Less than 50 miles	8.4	10.4	9.8
50 to 99 miles	11.0	15.3	14.1
100 to 249 miles	8.5	15.9	17.6
250 to 499 miles	9.3	12.4	12.5
500 to 749 miles	10.6	10.3	10.6
750 to 999 miles	8.4	16.5	17.2
1,000 to 1,499 miles	16.7	34.6	35.5
1,500 to 1,999 miles	22.8	35.1	35.9
2,000 miles or more	20.5	18.1	19.1
SCTG 24, Plastics and rubber	5.0	6.7	10.0
Less than 50 miles	7.2	8.4	10.6
50 to 99 miles	7.0	10.6	11.1
100 to 249 miles	6.0	8.3	8.9
250 to 499 miles	9.1	10.3	10.9
500 to 749 miles	8.9	10.2	10.4
750 to 999 miles	10.7	15.8	16.0
1,000 to 1,499 miles	7.1	13.3	14.1
1,500 to 1,999 miles	10.9	13.5	13.9
2,000 miles or more	15.6	23.1	23.0

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	14.9	23.0	30.7
Less than 50 miles	15.5	20.5	17.1
50 to 99 miles	34.5	S	S
100 to 249 miles	24.5	40.2	37.8
250 to 499 miles	27.1	S	S
500 to 749 miles	28.4	34.5	35.0
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	5.7	15.3	10.9
Less than 50 miles	6.4	18.9	19.4
50 to 99 miles	6.2	30.3	30.2
100 to 249 miles	7.3	10.7	11.5
250 to 499 miles	14.2	14.1	14.3
500 to 749 miles	19.2	19.1	17.7
750 to 999 miles	10.3	12.0	12.2
1,000 to 1,499 miles	16.5	16.7	16.9
1,500 to 1,999 miles	23.3	27.9	27.3
2,000 miles or more	16.8	12.4	12.3
SCTG 27, Pulp, newsprint, paper, and paperboard	6.9	6.5	8.3
Less than 50 miles	9.4	8.4	9.5
50 to 99 miles	9.4	10.8	11.7
100 to 249 miles	12.4	10.3	10.3
250 to 499 miles	9.0	9.4	9.7
500 to 749 miles	7.8	8.6	8.7
750 to 999 miles	12.4	11.7	11.9
1,000 to 1,499 miles	16.3	21.3	21.7
1,500 to 1,999 miles	41.6	27.1	27.1
2,000 miles or more	18.3	19.1	19.4
SCTG 28, Paper or paperboard articles	6.9	6.6	11.0
Less than 50 miles	5.9	6.9	8.2
50 to 99 miles	8.2	12.6	12.3
100 to 249 miles	9.4	7.7	7.9
250 to 499 miles	14.6	12.6	12.3
500 to 749 miles	13.3	13.6	14.1
750 to 999 miles	15.4	14.7	15.0
1,000 to 1,499 miles	17.4	19.4	21.3
1,500 to 1,999 miles	34.6	33.8	36.8
2,000 miles or more	17.6	25.4	24.7
SCTG 29, Printed products	5.9	11.9	11.8
Less than 50 miles	9.2	16.4	15.5
50 to 99 miles	6.9	14.4	14.7
100 to 249 miles	5.3	13.0	14.4
250 to 499 miles	8.8	19.5	18.8
500 to 749 miles	10.9	29.1	28.0
750 to 999 miles	13.4	15.3	15.4
1,000 to 1,499 miles	22.2	19.9	19.3
1,500 to 1,999 miles	20.1	22.3	22.2
2,000 miles or more	13.3	20.4	20.0
SCTG 30, Textiles, leather, and articles of textiles or leather	14.9	4.8	9.1
Less than 50 miles	18.9	8.0	9.6
50 to 99 miles	S	8.8	8.8
100 to 249 miles	18.7	5.5	5.4
250 to 499 miles	6.1	7.4	7.4
500 to 749 miles	8.4	11.9	11.8
750 to 999 miles	6.5	9.4	9.5
1,000 to 1,499 miles	14.3	13.7	13.7
1,500 to 1,999 miles	19.2	29.7	31.6
2,000 miles or more	7.9	13.1	13.9
SCTG 31, Nonmetallic mineral products	6.9	7.7	7.4
Less than 50 miles	7.2	9.3	10.8
50 to 99 miles	7.9	16.4	15.6
100 to 249 miles	16.4	8.2	7.2
250 to 499 miles	9.6	9.5	9.9
500 to 749 miles	11.9	11.6	10.6
750 to 999 miles	12.5	13.8	14.0
1,000 to 1,499 miles	10.7	49.0	S
1,500 to 1,999 miles	32.9	30.3	31.4
2,000 miles or more	15.0	38.3	39.7
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	6.5	14.9	12.1
Less than 50 miles	7.8	15.7	26.7
50 to 99 miles	14.5	26.1	27.1
100 to 249 miles	8.5	20.7	19.5
250 to 499 miles	9.3	12.4	13.4
500 to 749 miles	9.2	17.6	17.4
750 to 999 miles	14.2	23.2	27.2
1,000 to 1,499 miles	32.0	34.0	34.1
1,500 to 1,999 miles	24.8	24.7	25.0
2,000 miles or more	13.7	25.3	26.7

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	5.5	5.8	9.4
Less than 50 miles	5.7	10.0	7.6
50 to 99 miles	9.5	12.5	11.6
100 to 249 miles	5.9	7.6	6.8
250 to 499 miles	7.5	9.4	9.4
500 to 749 miles	9.4	12.6	12.4
750 to 999 miles	9.4	12.1	12.1
1,000 to 1,499 miles	12.5	18.5	18.1
1,500 to 1,999 miles	17.2	22.5	30.1
2,000 miles or more	13.8	35.7	35.1
SCTG 34, Machinery	7.4	5.6	8.6
Less than 50 miles	8.9	7.4	6.8
50 to 99 miles	17.4	12.6	12.7
100 to 249 miles	12.5	9.4	10.7
250 to 499 miles	10.8	8.0	8.3
500 to 749 miles	5.7	9.5	9.4
750 to 999 miles	8.6	9.8	9.7
1,000 to 1,499 miles	23.1	18.8	18.4
1,500 to 1,999 miles	19.7	26.4	26.9
2,000 miles or more	22.0	14.2	13.8
SCTG 35, Electronic and other electrical equipment and components and office equipment	11.1	11.6	14.4
Less than 50 miles	12.8	20.6	21.9
50 to 99 miles	9.6	11.5	10.5
100 to 249 miles	8.0	12.9	13.9
250 to 499 miles	39.3	13.3	13.7
500 to 749 miles	15.4	21.1	20.9
750 to 999 miles	11.1	16.1	16.6
1,000 to 1,499 miles	16.4	13.8	13.8
1,500 to 1,999 miles	26.8	44.4	41.8
2,000 miles or more	9.3	8.3	8.9
SCTG 36, Motorized and other vehicles (including parts)	7.4	7.5	8.0
Less than 50 miles	15.5	15.6	21.5
50 to 99 miles	18.3	14.8	13.7
100 to 249 miles	9.2	8.9	10.6
250 to 499 miles	7.9	9.9	10.8
500 to 749 miles	16.3	13.3	13.6
750 to 999 miles	11.9	16.6	16.3
1,000 to 1,499 miles	29.7	15.2	15.8
1,500 to 1,999 miles	21.3	18.6	18.3
2,000 miles or more	24.1	23.9	23.4
SCTG 37, Transportation equipment, n.e.c.	17.8	19.3	18.4
Less than 50 miles	40.4	S	S
50 to 99 miles	27.8	29.3	31.3
100 to 249 miles	S	30.1	29.8
250 to 499 miles	11.8	32.8	37.4
500 to 749 miles	20.0	36.8	37.1
750 to 999 miles	24.9	27.7	30.1
1,000 to 1,499 miles	19.7	16.7	16.1
1,500 to 1,999 miles	S	46.9	45.9
2,000 miles or more	25.2	22.1	24.5
SCTG 38, Precision instruments and apparatus	7.4	22.5	23.9
Less than 50 miles	12.2	17.3	19.8
50 to 99 miles	15.9	S	S
100 to 249 miles	14.6	28.8	25.0
250 to 499 miles	10.7	35.9	26.2
500 to 749 miles	12.1	41.3	40.0
750 to 999 miles	24.6	23.7	23.2
1,000 to 1,499 miles	31.7	21.4	21.8
1,500 to 1,999 miles	14.5	18.3	19.3
2,000 miles or more	24.9	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	4.6	6.8	6.9
Less than 50 miles	9.6	10.4	9.7
50 to 99 miles	8.9	17.7	15.4
100 to 249 miles	9.2	10.6	10.2
250 to 499 miles	9.0	14.2	15.5
500 to 749 miles	5.9	7.6	7.2
750 to 999 miles	9.6	11.8	11.5
1,000 to 1,499 miles	9.5	12.3	12.2
1,500 to 1,999 miles	12.0	12.5	12.5
2,000 miles or more	8.9	12.7	13.9
SCTG 40, Miscellaneous manufactured products	12.2	12.4	12.6
Less than 50 miles	8.3	24.5	22.5
50 to 99 miles	19.2	18.5	18.1
100 to 249 miles	33.4	17.5	16.7
250 to 499 miles	9.4	14.7	16.3
500 to 749 miles	6.3	13.4	13.3
750 to 999 miles	8.4	25.7	24.8
1,000 to 1,499 miles	12.7	26.3	26.5
1,500 to 1,999 miles	20.6	35.3	34.8
2,000 miles or more	8.6	22.1	21.6

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	13.1	12.6	15.9
Less than 50 miles	35.3	17.3	25.6
50 to 99 miles	16.4	18.6	18.5
100 to 249 miles	14.9	15.0	15.8
250 to 499 miles	16.6	28.8	26.0
500 to 749 miles	21.0	28.8	27.2
750 to 999 miles	29.6	26.4	26.3
1,000 to 1,499 miles	36.6	46.1	46.8
1,500 to 1,999 miles	S	S	S
2,000 miles or more	45.6	S	S
SCTG 43, Mixed freight	22.0	24.7	17.1
Less than 50 miles	25.1	31.4	33.2
50 to 99 miles	23.1	25.3	24.5
100 to 249 miles	27.0	19.9	19.0
250 to 499 miles	S	22.8	24.3
500 to 749 miles	26.5	31.8	32.1
750 to 999 miles	44.0	40.1	40.0
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
Commodity unknown	15.3	17.5	23.1
Less than 50 miles	16.2	26.8	24.6
50 to 99 miles	26.3	29.7	29.5
100 to 249 miles	31.7	24.4	24.6
250 to 499 miles	27.4	26.9	26.3
500 to 749 miles	20.8	21.5	21.5
750 to 999 miles	32.3	S	S
1,000 to 1,499 miles	33.5	42.7	42.9
1,500 to 1,999 miles	35.7	35.8	36.2
2,000 miles or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	2.4	3.2	3.4
Less than 50 lb	2.8	3.3	3.2
50 to 99 lb	4.1	5.0	3.8
100 to 499 lb	2.7	3.5	2.9
500 to 749 lb	3.4	3.4	5.0
750 to 999 lb	4.4	3.3	3.2
1,000 to 9,999 lb	8.9	2.3	3.1
10,000 to 49,999 lb	3.2	3.6	2.2
50,000 to 99,999 lb	7.5	9.2	8.2
100,000 lb or more	6.4	5.6	6.0
SCTG 01, Live animals and live fish	42.3	S	34.8
Less than 50 lb	47.1	48.7	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	47.6
50,000 to 99,999 lb	33.9	30.8	39.0
100,000 lb or more	S	S	44.8
SCTG 02, Cereal grains	38.9	29.2	S
Less than 50 lb	S	S	S
50 to 99 lb	47.2	S	S
100 to 499 lb	S	35.5	S
500 to 749 lb	48.1	40.1	S
750 to 999 lb	S	37.6	S
1,000 to 9,999 lb	32.8	26.3	29.6
10,000 to 49,999 lb	18.0	16.8	24.4
50,000 to 99,999 lb	14.1	14.4	17.1
100,000 lb or more	S	47.0	S
SCTG 03, Other agricultural products	6.5	9.9	19.0
Less than 50 lb	42.0	33.2	S
50 to 99 lb	32.2	26.5	14.2
100 to 499 lb	17.0	22.1	11.5
500 to 749 lb	28.0	27.1	20.1
750 to 999 lb	19.5	29.4	25.9
1,000 to 9,999 lb	17.0	23.7	19.5
10,000 to 49,999 lb	9.6	15.2	21.6
50,000 to 99,999 lb	30.2	32.8	36.7
100,000 lb or more	26.9	31.5	47.1
SCTG 04, Animal feed and products of animal origin, n.e.c.	9.6	11.1	11.0
Less than 50 lb	S	S	48.8
50 to 99 lb	30.4	37.5	28.4
100 to 499 lb	34.6	28.5	41.3
500 to 749 lb	41.6	30.3	37.4
750 to 999 lb	41.8	38.3	47.4
1,000 to 9,999 lb	27.4	19.3	28.4
10,000 to 49,999 lb	12.8	13.1	12.6
50,000 to 99,999 lb	9.6	9.9	10.9
100,000 lb or more	16.2	29.8	23.4
SCTG 05, Meat, fish, seafood, and their preparations	7.4	8.5	11.6
Less than 50 lb	40.5	41.4	S
50 to 99 lb	36.7	42.8	46.0
100 to 499 lb	22.3	27.9	24.8
500 to 749 lb	15.8	17.1	15.4
750 to 999 lb	17.3	16.5	15.7
1,000 to 9,999 lb	9.8	11.0	12.0
10,000 to 49,999 lb	7.6	8.2	12.3
50,000 to 99,999 lb	23.4	27.3	36.8
100,000 lb or more	42.1	37.6	48.4
SCTG 06, Milled grain products and preparations, and bakery products	8.5	8.2	11.5
Less than 50 lb	40.6	38.3	38.0
50 to 99 lb	33.4	32.5	26.9
100 to 499 lb	27.7	20.9	16.8
500 to 749 lb	38.7	27.0	20.9
750 to 999 lb	28.7	21.5	26.8
1,000 to 9,999 lb	11.9	12.2	13.2
10,000 to 49,999 lb	10.1	9.6	13.7
50,000 to 99,999 lb	18.7	22.8	32.6
100,000 lb or more	S	38.7	44.6
SCTG 07, Other prepared foodstuffs and fats and oils	4.6	9.6	11.9
Less than 50 lb	18.0	25.1	19.4
50 to 99 lb	17.9	27.0	27.0
100 to 499 lb	8.1	10.6	12.9
500 to 749 lb	10.5	12.8	14.6
750 to 999 lb	9.3	11.5	11.9
1,000 to 9,999 lb	7.9	12.2	9.9
10,000 to 49,999 lb	7.5	10.8	12.1
50,000 to 99,999 lb	25.8	32.1	S
100,000 lb or more	23.1	23.1	33.3

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	5.5	7.5	17.0
Less than 50 lb	21.3	15.9	18.4
50 to 99 lb	8.9	6.0	10.7
100 to 499 lb	5.6	5.6	7.6
500 to 749 lb	7.1	7.4	9.8
750 to 999 lb	6.1	7.3	9.9
1,000 to 9,999 lb	6.5	7.1	9.0
10,000 to 49,999 lb	12.0	14.0	20.4
50,000 to 99,999 lb	30.4	29.8	31.1
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	24.0	36.4	30.3
Less than 50 lb	13.7	8.9	28.7
50 to 99 lb	11.8	11.6	18.4
100 to 499 lb	13.0	13.2	23.1
500 to 749 lb	20.1	23.4	35.1
750 to 999 lb	28.2	26.8	44.4
1,000 to 9,999 lb	27.0	16.0	22.3
10,000 to 49,999 lb	27.2	38.6	31.5
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	22.8	32.8	20.9
Less than 50 lb	S	S	S
50 to 99 lb	36.0	49.0	S
100 to 499 lb	46.1	45.1	49.8
500 to 749 lb	40.7	34.7	33.8
750 to 999 lb	44.2	S	41.1
1,000 to 9,999 lb	28.8	23.8	19.3
10,000 to 49,999 lb	30.3	39.9	19.6
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	18.7	18.4	18.8
Less than 50 lb	S	S	S
50 to 99 lb	S	40.8	S
100 to 499 lb	S	34.2	44.6
500 to 749 lb	47.4	37.2	S
750 to 999 lb	S	38.0	35.7
1,000 to 9,999 lb	43.2	28.5	33.6
10,000 to 49,999 lb	26.1	19.9	18.6
50,000 to 99,999 lb	25.1	35.7	34.2
100,000 lb or more	30.3	46.8	24.7
SCTG 12, Gravel and crushed stone	8.9	10.8	13.2
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	37.4	28.3	28.9
500 to 749 lb	48.7	29.6	37.2
750 to 999 lb	38.7	38.5	S
1,000 to 9,999 lb	19.2	17.4	26.3
10,000 to 49,999 lb	7.1	8.5	13.0
50,000 to 99,999 lb	36.6	44.8	30.6
100,000 lb or more	14.0	16.9	33.0
SCTG 13, Nonmetallic minerals n.e.c.	12.6	11.1	14.5
Less than 50 lb	S	46.8	S
50 to 99 lb	S	43.8	S
100 to 499 lb	S	40.9	S
500 to 749 lb	48.0	S	S
750 to 999 lb	S	46.4	S
1,000 to 9,999 lb	33.8	29.6	34.7
10,000 to 49,999 lb	22.0	15.6	13.7
50,000 to 99,999 lb	26.0	25.7	22.8
100,000 lb or more	10.1	14.6	18.4
SCTG 14, Metallic ores and concentrates	23.2	33.7	29.3
Less than 50 lb	37.1	35.3	S
50 to 99 lb	48.8	S	S
100 to 499 lb	S	49.1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	31.2	43.7	37.5
10,000 to 49,999 lb	26.7	20.8	29.0
50,000 to 99,999 lb	S	S	S
100,000 lb or more	34.5	23.0	33.4
SCTG 15, Coal	9.8	10.7	10.1
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	31.5	47.2
10,000 to 49,999 lb	30.8	30.9	36.5
50,000 to 99,999 lb	43.6	S	46.9
100,000 lb or more	10.2	11.2	10.2

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	9.5	13.2	21.9
Less than 50 lb	S	45.9	31.2
50 to 99 lb	S	32.0	26.6
100 to 499 lb	43.5	31.8	25.5
500 to 749 lb	35.8	39.4	42.8
750 to 999 lb	17.7	17.0	20.2
1,000 to 9,999 lb	14.3	16.9	26.9
10,000 to 49,999 lb	18.1	23.9	34.0
50,000 to 99,999 lb	10.0	13.4	20.6
100,000 lb or more	37.4	38.4	S
SCTG 18, Fuel oils	12.5	13.0	17.1
Less than 50 lb	S	36.8	39.2
50 to 99 lb	39.6	27.3	36.6
100 to 499 lb	40.8	21.1	25.8
500 to 749 lb	18.1	16.2	25.3
750 to 999 lb	18.3	21.3	17.7
1,000 to 9,999 lb	13.3	15.0	31.8
10,000 to 49,999 lb	10.3	10.1	20.0
50,000 to 99,999 lb	11.9	12.0	15.2
100,000 lb or more	S	S	38.8
SCTG 19, Coal and petroleum products, n.e.c.	12.4	16.7	30.0
Less than 50 lb	14.4	15.6	26.9
50 to 99 lb	21.4	20.5	20.1
100 to 499 lb	23.0	18.3	23.4
500 to 749 lb	18.8	16.7	19.7
750 to 999 lb	20.6	21.9	32.4
1,000 to 9,999 lb	17.4	18.6	22.0
10,000 to 49,999 lb	19.8	23.0	19.6
50,000 to 99,999 lb	26.6	26.4	33.1
100,000 lb or more	24.8	32.5	S
SCTG 20, Basic chemicals	7.3	10.3	13.7
Less than 50 lb	22.3	28.3	34.6
50 to 99 lb	21.8	32.3	35.8
100 to 499 lb	15.4	31.9	18.1
500 to 749 lb	19.1	27.4	29.3
750 to 999 lb	13.0	25.5	18.3
1,000 to 9,999 lb	13.1	10.9	13.3
10,000 to 49,999 lb	7.5	12.5	13.4
50,000 to 99,999 lb	21.0	21.1	26.3
100,000 lb or more	16.4	17.6	20.0
SCTG 21, Pharmaceutical products	12.1	27.5	42.9
Less than 50 lb	14.0	12.0	16.6
50 to 99 lb	17.0	13.7	32.2
100 to 499 lb	17.0	19.7	48.4
500 to 749 lb	38.0	27.1	47.6
750 to 999 lb	28.8	32.0	38.0
1,000 to 9,999 lb	19.3	17.9	26.9
10,000 to 49,999 lb	22.6	35.9	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	11.2	18.6	12.8
Less than 50 lb	S	S	S
50 to 99 lb	S	30.4	29.5
100 to 499 lb	47.2	34.2	S
500 to 749 lb	27.9	28.2	29.4
750 to 999 lb	22.3	18.9	28.3
1,000 to 9,999 lb	22.1	20.8	31.5
10,000 to 49,999 lb	11.8	12.9	15.9
50,000 to 99,999 lb	24.1	19.2	15.4
100,000 lb or more	12.9	22.2	14.3
SCTG 23, Chemical products and preparations, n.e.c.	5.2	7.8	13.2
Less than 50 lb	17.9	18.0	19.3
50 to 99 lb	11.1	14.0	15.0
100 to 499 lb	9.5	32.5	9.3
500 to 749 lb	12.6	13.4	13.0
750 to 999 lb	15.9	23.7	19.1
1,000 to 9,999 lb	10.4	11.4	11.8
10,000 to 49,999 lb	7.1	9.3	9.5
50,000 to 99,999 lb	16.1	20.1	33.2
100,000 lb or more	25.5	28.6	42.4
SCTG 24, Plastics and rubber	5.0	6.7	10.0
Less than 50 lb	8.3	6.8	10.1
50 to 99 lb	6.7	6.0	9.6
100 to 499 lb	7.5	11.2	12.3
500 to 749 lb	10.0	15.2	14.9
750 to 999 lb	9.2	9.7	12.8
1,000 to 9,999 lb	6.1	6.1	5.6
10,000 to 49,999 lb	9.2	10.9	13.9
50,000 to 99,999 lb	26.7	28.6	21.6
100,000 lb or more	25.9	19.3	22.3

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	14.9	23.0	30.7
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	48.4	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	27.7	30.0
10,000 to 49,999 lb	14.9	20.8	27.3
50,000 to 99,999 lb	19.8	28.4	38.4
100,000 lb or more	29.0	31.5	46.0
SCTG 26, Wood products	5.7	15.3	10.9
Less than 50 lb	20.3	20.6	29.8
50 to 99 lb	22.1	17.7	38.6
100 to 499 lb	13.6	10.1	16.9
500 to 749 lb	14.0	13.2	18.4
750 to 999 lb	16.0	24.3	21.7
1,000 to 9,999 lb	6.9	11.2	9.0
10,000 to 49,999 lb	10.7	12.0	13.4
50,000 to 99,999 lb	10.8	38.3	23.6
100,000 lb or more	18.4	15.2	11.5
SCTG 27, Pulp, newsprint, paper, and paperboard	6.9	6.5	8.3
Less than 50 lb	13.1	13.7	17.4
50 to 99 lb	12.6	15.0	30.2
100 to 499 lb	14.1	15.4	29.2
500 to 749 lb	16.5	15.4	24.7
750 to 999 lb	13.4	13.4	16.8
1,000 to 9,999 lb	9.7	12.5	12.1
10,000 to 49,999 lb	8.4	7.2	9.5
50,000 to 99,999 lb	17.5	15.7	16.3
100,000 lb or more	9.7	8.8	10.7
SCTG 28, Paper or paperboard articles	6.9	6.6	11.0
Less than 50 lb	14.2	8.2	18.0
50 to 99 lb	13.5	12.8	21.5
100 to 499 lb	9.7	9.6	13.2
500 to 749 lb	19.3	15.0	28.6
750 to 999 lb	14.9	14.3	19.4
1,000 to 9,999 lb	6.9	8.1	10.5
10,000 to 49,999 lb	10.3	7.9	10.5
50,000 to 99,999 lb	38.8	29.1	40.5
100,000 lb or more	33.3	32.9	35.5
SCTG 29, Printed products	5.9	11.9	11.8
Less than 50 lb	12.5	12.0	18.9
50 to 99 lb	12.7	12.6	12.4
100 to 499 lb	25.1	15.7	27.7
500 to 749 lb	15.7	17.4	18.9
750 to 999 lb	18.8	23.5	10.8
1,000 to 9,999 lb	7.7	11.7	11.1
10,000 to 49,999 lb	9.3	19.3	18.8
50,000 to 99,999 lb	27.1	41.0	40.4
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	14.9	4.8	9.1
Less than 50 lb	6.2	5.4	6.7
50 to 99 lb	8.5	7.4	9.5
100 to 499 lb	4.2	5.7	6.3
500 to 749 lb	5.8	9.4	12.7
750 to 999 lb	15.6	9.9	11.2
1,000 to 9,999 lb	37.0	8.2	9.5
10,000 to 49,999 lb	5.3	5.9	13.9
50,000 to 99,999 lb	38.4	28.0	36.8
100,000 lb or more	21.4	27.1	42.9
SCTG 31, Nonmetallic mineral products	6.9	7.7	7.4
Less than 50 lb	15.7	11.6	21.1
50 to 99 lb	17.6	15.1	17.8
100 to 499 lb	10.8	9.4	15.7
500 to 749 lb	16.7	15.2	21.2
750 to 999 lb	27.0	24.5	33.0
1,000 to 9,999 lb	22.4	10.7	9.7
10,000 to 49,999 lb	5.0	8.6	7.9
50,000 to 99,999 lb	15.6	17.6	15.6
100,000 lb or more	29.5	16.2	24.3
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	6.5	14.9	12.1
Less than 50 lb	18.7	9.3	23.3
50 to 99 lb	13.6	11.8	23.6
100 to 499 lb	9.3	10.9	8.5
500 to 749 lb	8.1	10.2	12.3
750 to 999 lb	15.6	12.0	12.3
1,000 to 9,999 lb	9.1	9.3	18.3
10,000 to 49,999 lb	7.0	14.2	10.0
50,000 to 99,999 lb	18.1	20.8	42.8
100,000 lb or more	20.1	33.7	24.6

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	5.5	5.8	9.4
Less than 50 lb	14.3	12.0	13.8
50 to 99 lb	13.0	9.7	13.4
100 to 499 lb	7.7	5.9	8.7
500 to 749 lb	6.4	6.6	6.2
750 to 999 lb	10.7	8.4	13.1
1,000 to 9,999 lb	4.4	5.5	7.0
10,000 to 49,999 lb	7.3	7.1	10.1
50,000 to 99,999 lb	17.2	24.9	42.5
100,000 lb or more	33.0	27.2	S
SCTG 34, Machinery	7.4	5.6	8.6
Less than 50 lb	10.1	13.4	12.0
50 to 99 lb	12.9	19.4	24.9
100 to 499 lb	8.1	11.2	7.4
500 to 749 lb	12.7	7.8	9.6
750 to 999 lb	8.5	8.4	13.0
1,000 to 9,999 lb	10.5	5.6	7.3
10,000 to 49,999 lb	9.1	8.2	10.9
50,000 to 99,999 lb	S	27.8	34.7
100,000 lb or more	S	32.8	34.8
SCTG 35, Electronic and other electrical equipment and components and office equipment	11.1	11.6	14.4
Less than 50 lb	7.0	5.8	10.3
50 to 99 lb	13.3	7.0	9.9
100 to 499 lb	10.3	7.6	11.0
500 to 749 lb	10.3	7.1	10.5
750 to 999 lb	16.8	13.3	17.4
1,000 to 9,999 lb	33.1	10.7	13.4
10,000 to 49,999 lb	12.4	16.3	22.5
50,000 to 99,999 lb	31.1	32.8	S
100,000 lb or more	34.7	S	33.0
SCTG 36, Motorized and other vehicles (including parts)	7.4	7.5	8.0
Less than 50 lb	10.9	9.0	10.8
50 to 99 lb	10.5	12.4	11.5
100 to 499 lb	9.9	7.4	12.1
500 to 749 lb	19.0	11.2	24.5
750 to 999 lb	22.7	24.1	23.0
1,000 to 9,999 lb	11.5	9.1	11.8
10,000 to 49,999 lb	12.2	10.4	8.5
50,000 to 99,999 lb	S	34.1	43.0
100,000 lb or more	S	38.8	S
SCTG 37, Transportation equipment, n.e.c.	17.8	19.3	18.4
Less than 50 lb	25.2	17.3	19.6
50 to 99 lb	34.2	18.6	23.3
100 to 499 lb	20.0	20.7	20.2
500 to 749 lb	33.5	22.1	18.4
750 to 999 lb	21.8	18.4	25.4
1,000 to 9,999 lb	30.1	16.2	14.3
10,000 to 49,999 lb	35.1	38.3	20.6
50,000 to 99,999 lb	S	S	S
100,000 lb or more	44.3	44.5	45.4
SCTG 38, Precision instruments and apparatus	7.4	22.5	23.9
Less than 50 lb	14.5	12.8	20.0
50 to 99 lb	26.1	27.0	37.2
100 to 499 lb	9.5	11.4	17.2
500 to 749 lb	17.1	14.5	17.7
750 to 999 lb	25.2	29.1	33.1
1,000 to 9,999 lb	22.6	23.7	48.5
10,000 to 49,999 lb	25.8	S	42.0
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	4.6	6.8	6.9
Less than 50 lb	13.6	9.5	17.1
50 to 99 lb	9.4	7.3	10.3
100 to 499 lb	5.9	5.7	6.0
500 to 749 lb	8.3	8.6	8.8
750 to 999 lb	9.7	10.6	11.2
1,000 to 9,999 lb	7.8	10.2	8.4
10,000 to 49,999 lb	10.8	12.5	14.6
50,000 to 99,999 lb	44.1	38.5	S
100,000 lb or more	49.5	S	S
SCTG 40, Miscellaneous manufactured products	12.2	12.4	12.6
Less than 50 lb	8.1	7.6	12.3
50 to 99 lb	10.1	10.0	14.5
100 to 499 lb	7.6	6.2	9.8
500 to 749 lb	11.5	6.7	18.2
750 to 999 lb	9.3	9.3	15.8
1,000 to 9,999 lb	8.6	11.1	9.5
10,000 to 49,999 lb	28.8	17.0	20.8
50,000 to 99,999 lb	29.7	35.9	22.4
100,000 lb or more	S	36.8	44.0

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	13.1	12.6	15.9
Less than 50 lb	S	S	49.8
50 to 99 lb	S	S	S
100 to 499 lb	S	30.2	49.2
500 to 749 lb	S	S	49.4
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	47.2	31.5
10,000 to 49,999 lb	11.0	14.3	19.3
50,000 to 99,999 lb	32.7	23.8	23.7
100,000 lb or more	19.2	16.5	21.2
SCTG 43, Mixed freight	22.0	24.7	17.1
Less than 50 lb	27.0	33.8	S
50 to 99 lb	23.3	28.1	S
100 to 499 lb	13.4	15.2	30.0
500 to 749 lb	11.9	15.4	18.8
750 to 999 lb	11.1	14.4	22.4
1,000 to 9,999 lb	10.3	9.5	22.7
10,000 to 49,999 lb	30.5	31.9	22.7
50,000 to 99,999 lb	45.0	47.6	S
100,000 lb or more	S	45.8	S
Commodity unknown	15.3	17.5	23.1
Less than 50 lb	20.0	17.7	19.7
50 to 99 lb	19.8	28.5	47.5
100 to 499 lb	19.1	26.8	42.8
500 to 749 lb	S	47.9	22.2
750 to 999 lb	34.9	29.9	25.7
1,000 to 9,999 lb	20.8	27.0	19.3
10,000 to 49,999 lb	26.7	22.3	22.1
50,000 to 99,999 lb	36.7	43.7	32.2
100,000 lb or more	S	46.5	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	2.4	3.2	3.4	3.0	2.5	3.7	4.1	10.9	12.0	11.0
Less than 50 lb	2.8	3.3	3.2	3.2	4.1	5.7	7.2	7.0	5.9	6.1
50 to 99 lb	4.1	5.0	3.8	4.1	11.5	7.6	8.8	8.2	9.3	10.3
100 to 499 lb	2.7	3.5	2.9	4.6	5.7	4.5	4.6	3.9	6.5	6.1
500 to 749 lb	3.4	3.4	5.0	4.4	3.9	4.8	6.5	4.9	6.6	6.7
750 to 999 lb	4.4	3.3	3.2	3.1	4.1	3.8	4.9	10.8	10.0	9.8
1,000 to 9,999 lb	8.9	2.3	3.1	2.6	7.0	3.4	3.8	33.6	4.3	4.3
10,000 to 49,999 lb	3.2	3.6	2.2	3.8	6.8	5.2	5.9	6.2	8.2	7.8
50,000 to 99,999 lb	7.5	9.2	8.2	5.9	4.1	11.4	7.2	21.7	23.3	22.2
100,000 lb or more	6.4	5.6	6.0	6.4	13.5	8.8	10.6	19.4	17.1	18.6
SCTG 01, Live animals and live fish	42.3	S	34.8	17.5	47.7	S	S	48.9	S	S
Less than 50 lb	47.1	48.7	S	21.1	49.7	S	S	S	S	S
50 to 99 lb	S	S	S	20.3	S	S	S	S	S	S
100 to 499 lb	S	S	S	20.6	S	S	S	S	S	S
500 to 749 lb	S	S	S	23.7	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.8	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	21.9	S	49.7	S	S	S	S
10,000 to 49,999 lb	S	S	47.6	S	S	S	S	48.9	S	S
50,000 to 99,999 lb	33.9	30.8	39.0	21.5	S	S	S	S	S	S
100,000 lb or more	S	S	44.8	20.8	—	—	—	—	—	—
SCTG 02, Cereal grains	38.9	29.2	S	23.8	26.3	28.9	31.1	19.7	20.5	23.3
Less than 50 lb	S	S	S	22.4	S	S	S	S	S	S
50 to 99 lb	47.2	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	35.5	S	19.2	S	37.0	40.0	S	S	S
500 to 749 lb	48.1	40.1	S	21.0	S	42.7	S	S	S	S
750 to 999 lb	S	37.6	S	19.8	S	S	S	S	S	S
1,000 to 9,999 lb	32.8	26.3	29.6	19.3	38.4	30.4	32.9	44.0	34.6	39.4
10,000 to 49,999 lb	18.0	16.8	24.4	10.7	20.5	20.5	27.6	22.2	21.2	23.6
50,000 to 99,999 lb	14.1	14.4	17.1	9.5	19.2	20.0	23.8	20.8	21.3	22.1
100,000 lb or more	S	47.0	S	15.6	S	S	S	S	S	S
SCTG 03, Other agricultural products	6.5	9.9	19.0	24.9	11.4	16.4	24.9	13.2	14.7	15.4
Less than 50 lb	42.0	33.2	S	23.5	S	45.9	47.4	S	S	S
50 to 99 lb	32.2	26.5	14.2	S	40.7	31.1	30.2	S	S	S
100 to 499 lb	17.0	22.1	11.5	45.8	24.4	24.9	27.0	30.1	47.5	S
500 to 749 lb	28.0	27.1	20.1	39.1	25.8	31.3	38.6	38.3	S	S
750 to 999 lb	19.5	29.4	25.9	35.7	24.3	31.9	31.4	48.7	S	S
1,000 to 9,999 lb	17.0	23.7	19.5	21.6	21.5	24.6	21.1	37.3	47.3	49.4
10,000 to 49,999 lb	9.6	15.2	21.6	10.9	17.0	17.4	23.9	17.4	20.1	21.3
50,000 to 99,999 lb	30.2	32.8	36.7	26.7	45.7	47.6	S	26.0	25.6	24.6
100,000 lb or more	26.9	31.5	47.1	21.6	33.9	43.3	S	46.3	38.2	38.8
SCTG 04, Animal feed and products of animal origin, n.e.c.	9.6	11.1	11.0	13.8	12.0	13.4	13.8	21.7	25.8	25.8
Less than 50 lb	S	S	48.8	S	S	S	S	S	S	S
50 to 99 lb	30.4	37.5	28.4	S	37.8	40.6	38.3	S	S	S
100 to 499 lb	34.6	28.5	41.3	46.8	28.6	32.3	28.0	S	S	S
500 to 749 lb	41.6	30.3	37.4	S	32.6	27.4	31.0	S	45.7	46.7
750 to 999 lb	41.8	38.3	47.4	29.3	46.8	36.9	S	S	49.6	49.5
1,000 to 9,999 lb	27.4	19.3	28.4	11.7	18.2	17.8	19.0	30.1	40.0	42.1
10,000 to 49,999 lb	12.8	13.1	12.6	10.5	14.9	15.4	16.6	27.2	31.4	31.7
50,000 to 99,999 lb	9.6	9.9	10.9	15.3	16.1	15.5	16.1	18.0	16.4	14.6
100,000 lb or more	16.2	29.8	23.4	20.6	38.9	47.4	40.0	S	45.9	47.5
SCTG 05, Meat, fish, seafood, and their preparations	7.4	8.5	11.6	24.6	11.9	12.9	14.5	9.6	8.3	8.7
Less than 50 lb	40.5	41.4	S	26.0	36.2	37.1	45.9	S	S	S
50 to 99 lb	36.7	42.8	46.0	S	31.6	36.5	41.0	S	S	S
100 to 499 lb	22.3	27.9	24.8	46.5	23.3	28.5	29.8	27.3	30.3	32.2
500 to 749 lb	15.8	17.1	15.4	17.5	17.8	17.6	18.6	24.9	30.8	29.1
750 to 999 lb	17.3	16.5	15.7	13.0	22.5	20.5	19.5	39.1	36.1	37.9
1,000 to 9,999 lb	9.8	11.0	12.0	12.6	15.4	17.7	15.6	12.6	13.6	13.6
10,000 to 49,999 lb	7.6	8.2	12.3	4.9	15.6	13.6	16.2	15.0	14.1	14.0
50,000 to 99,999 lb	23.4	27.3	36.8	25.6	S	S	S	S	45.8	44.7
100,000 lb or more	42.1	37.6	48.4	29.8	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	8.5	8.2	11.5	42.1	12.7	9.7	14.9	11.8	13.5	13.6
Less than 50 lb	40.6	38.3	38.0	S	41.3	40.4	44.4	44.0	38.5	38.0
50 to 99 lb	33.4	32.5	26.9	S	39.4	39.3	41.0	34.3	33.4	32.6
100 to 499 lb	27.7	20.9	16.8	34.9	29.1	25.2	25.6	40.9	28.7	29.7
500 to 749 lb	38.7	27.0	20.9	20.4	40.4	32.7	35.4	S	34.9	36.0
750 to 999 lb	28.7	21.5	26.8	25.0	36.1	32.3	33.0	22.7	22.3	23.8
1,000 to 9,999 lb	11.9	12.2	13.2	9.0	16.1	13.7	15.2	12.7	15.0	15.2
10,000 to 49,999 lb	10.1	9.6	13.7	7.0	10.9	12.7	20.1	12.1	19.1	18.9
50,000 to 99,999 lb	18.7	22.8	32.6	25.7	26.5	25.4	31.2	31.6	32.0	33.1
100,000 lb or more	S	38.7	44.6	25.8	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	4.6	9.6	11.9	20.6	6.4	10.5	12.1	8.0	15.0	16.0
Less than 50 lb	18.0	25.1	19.4	32.5	21.8	29.6	34.4	25.2	25.0	25.4
50 to 99 lb	17.9	27.0	27.0	S	21.2	29.1	29.6	23.4	46.4	S
100 to 499 lb	8.1	10.6	12.9	27.8	9.2	10.6	12.7	12.2	27.7	28.7
500 to 749 lb	10.5	12.8	14.6	9.3	11.1	13.3	17.6	21.8	18.8	18.0
750 to 999 lb	9.3	11.5	11.9	9.7	11.1	12.8	15.9	28.9	18.4	18.0
1,000 to 9,999 lb	7.9	12.2	9.9	9.0	12.0	16.3	15.4	11.9	12.3	12.5
10,000 to 49,999 lb	7.5	10.8	12.1	6.0	8.4	10.6	13.0	10.2	18.2	19.3
50,000 to 99,999 lb	25.8	32.1	S	16.0	21.5	22.7	25.3	24.3	26.8	26.3
100,000 lb or more	23.4	23.1	33.3	11.7	37.6	35.5	39.7	40.1	43.4	44.1
SCTG 08, Alcoholic beverages	5.5	7.5	17.0	4.2	5.2	6.7	7.4	12.3	13.3	13.3
Less than 50 lb	21.3	15.9	18.4	7.0	23.1	16.0	18.9	23.1	22.3	22.8
50 to 99 lb	8.9	6.0	10.7	7.6	9.4	5.5	7.2	18.9	18.7	19.9
100 to 499 lb	5.6	5.6	7.6	4.6	5.6	5.7	7.6	18.3	11.0	11.7
500 to 749 lb	7.1	7.4	9.8	4.4	7.5	7.6	10.8	21.5	18.9	21.4
750 to 999 lb	6.1	7.3	9.9	4.3	6.3	7.2	10.1	19.5	23.8	22.8
1,000 to 9,999 lb	6.5	7.1	9.0	4.0	6.2	7.1	9.8	20.0	17.0	17.7
10,000 to 49,999 lb	12.0	14.0	20.4	13.3	16.5	18.6	18.6	24.9	24.0	22.9
50,000 to 99,999 lb	30.4	29.8	31.1	19.2	44.2	43.3	37.9	S	S	49.4
100,000 lb or more	S	S	S	20.1	S	S	S	—	—	—
SCTG 09, Tobacco products	24.0	36.4	30.3	17.5	36.8	49.0	S	22.0	27.7	28.0
Less than 50 lb	13.7	8.9	28.7	17.1	9.1	7.8	10.3	17.7	15.7	16.8
50 to 99 lb	11.8	11.6	18.4	25.6	11.9	14.2	12.2	32.9	23.2	23.5
100 to 499 lb	13.0	13.2	23.1	14.9	9.8	7.5	11.6	21.8	17.6	18.1
500 to 749 lb	20.1	23.4	35.1	23.7	33.1	41.0	S	44.5	37.6	36.6
750 to 999 lb	28.2	26.8	44.4	44.6	S	S	40.5	S	47.4	49.2
1,000 to 9,999 lb	27.0	16.0	22.3	16.2	S	33.7	44.8	36.4	34.8	35.6
10,000 to 49,999 lb	27.2	38.6	31.5	S	43.3	S	S	47.5	38.0	37.8
50,000 to 99,999 lb	S	S	S	24.6	—	—	—	—	—	—
100,000 lb or more	S	S	S	23.9	—	—	—	—	—	—
SCTG 10, Monumental or building stone	22.8	32.8	20.9	37.4	38.5	38.3	36.8	45.2	44.8	S
Less than 50 lb	S	S	S	20.3	40.3	47.3	S	S	S	S
50 to 99 lb	36.0	49.0	S	33.2	40.0	46.3	44.5	S	S	S
100 to 499 lb	46.1	45.1	49.8	50.0	S	46.0	S	S	S	S
500 to 749 lb	40.7	34.7	33.8	38.7	46.8	43.0	S	S	S	S
750 to 999 lb	44.2	S	41.1	45.8	S	S	S	S	S	S
1,000 to 9,999 lb	28.8	23.8	19.3	29.8	S	41.6	43.1	S	48.5	47.7
10,000 to 49,999 lb	30.3	39.9	19.6	S	S	46.0	45.6	S	38.7	44.0
50,000 to 99,999 lb	S	S	S	S	35.1	49.6	43.5	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	—	—	—
SCTG 11, Natural sands	18.7	18.4	18.8	14.8	29.9	19.6	20.9	25.3	33.5	33.0
Less than 50 lb	S	S	S	22.4	S	S	S	—	—	—
50 to 99 lb	S	40.8	S	22.7	S	S	S	—	—	—
100 to 499 lb	S	34.2	44.6	16.6	S	34.1	49.2	S	48.0	47.6
500 to 749 lb	47.4	37.2	S	19.3	49.5	33.9	S	S	S	S
750 to 999 lb	S	38.0	35.7	24.0	S	39.7	37.4	S	S	S
1,000 to 9,999 lb	43.2	28.5	33.6	S	44.1	29.0	40.6	S	S	S
10,000 to 49,999 lb	26.1	19.9	18.6	16.8	40.8	21.5	22.7	39.4	29.0	29.5
50,000 to 99,999 lb	25.1	35.7	34.2	14.2	34.5	39.4	40.0	32.2	47.2	47.2
100,000 lb or more	30.3	46.8	24.7	39.0	37.9	S	42.9	35.0	49.0	47.4
SCTG 12, Gravel and crushed stone	8.9	10.8	13.2	14.1	10.7	12.7	11.2	15.3	14.3	14.3
Less than 50 lb	S	S	S	21.8	S	S	S	—	—	—
50 to 99 lb	S	S	S	21.8	S	S	S	—	—	—
100 to 499 lb	37.4	28.3	28.9	S	37.7	29.4	36.3	S	S	S
500 to 749 lb	48.7	29.6	37.2	S	48.8	30.0	30.1	—	—	—
750 to 999 lb	38.7	38.5	S	21.5	38.7	39.4	S	—	—	—
1,000 to 9,999 lb	19.2	17.4	26.3	23.0	21.6	18.8	27.4	49.8	33.2	32.6
10,000 to 49,999 lb	7.1	8.5	13.0	14.6	8.4	9.8	13.2	23.4	21.9	22.8
50,000 to 99,999 lb	36.6	44.8	30.6	22.1	41.6	49.2	33.8	29.5	25.1	25.0
100,000 lb or more	14.0	16.9	33.0	13.2	16.7	16.7	19.7	28.7	28.3	31.0
SCTG 13, Nonmetallic minerals n.e.c.	12.6	11.1	14.5	14.0	15.3	17.8	19.7	27.6	29.0	28.2
Less than 50 lb	S	46.8	S	17.4	S	41.1	44.3	S	S	S
50 to 99 lb	S	43.8	S	21.6	44.3	45.4	42.1	S	S	S
100 to 499 lb	S	40.9	S	20.0	S	46.4	S	S	47.8	47.7
500 to 749 lb	48.0	S	S	19.4	S	31.0	29.3	S	S	S
750 to 999 lb	S	46.4	S	19.2	S	28.3	39.2	S	S	S
1,000 to 9,999 lb	33.8	29.6	34.7	35.9	33.8	27.6	36.6	S	S	S
10,000 to 49,999 lb	22.0	15.6	13.7	14.4	26.8	21.7	26.2	23.3	23.4	22.6
50,000 to 99,999 lb	26.0	25.7	22.8	48.0	27.4	38.8	39.0	39.4	S	S
100,000 lb or more	10.1	14.6	18.4	13.3	19.3	22.7	23.1	33.5	33.6	33.9

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	23.2	33.7	29.3	16.4	36.6	S	S	S	35.6	37.2
Less than 50 lb	37.1	35.3	S	27.5	40.2	S	S	S	S	S
50 to 99 lb	48.8	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	49.1	S	45.9	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	31.2	43.7	37.5	S	S	S	S	S	S	S
10,000 to 49,999 lb	26.7	20.8	29.0	24.3	30.9	35.3	43.9	S	S	S
50,000 to 99,999 lb	S	S	S	34.5	S	S	S	S	S	S
100,000 lb or more	34.5	23.0	33.4	16.8	46.9	46.9	46.7	46.1	46.0	46.1
SCTG 15, Coal	9.8	10.7	10.1	S	15.4	17.6	16.7	30.9	30.1	32.8
Less than 50 lb	S	S	S	22.4	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	22.4	—	—	—	—	—	—
500 to 749 lb	S	S	S	22.9	S	S	—	—	—	—
750 to 999 lb	S	S	S	23.1	S	S	S	—	—	—
1,000 to 9,999 lb	S	31.5	47.2	43.8	S	S	S	S	S	S
10,000 to 49,999 lb	30.8	30.9	36.5	45.3	36.0	35.0	35.4	S	S	S
50,000 to 99,999 lb	43.6	S	46.9	S	44.6	S	S	S	S	S
100,000 lb or more	10.2	11.2	10.2	31.0	15.2	17.5	17.2	31.3	30.5	33.3
SCTG 17, Gasoline and aviation turbine fuel	9.5	13.2	21.9	9.4	5.6	7.3	6.4	34.0	41.3	38.3
Less than 50 lb	S	45.9	31.2	S	S	46.0	34.9	—	—	—
50 to 99 lb	S	32.0	22.6	S	S	32.0	22.6	—	—	—
100 to 499 lb	43.5	31.8	25.5	21.7	43.5	31.8	25.5	—	—	—
500 to 749 lb	35.8	39.4	42.8	18.3	36.0	39.6	44.4	S	S	S
750 to 999 lb	17.7	17.0	20.2	15.6	17.9	17.2	20.4	—	—	—
1,000 to 9,999 lb	14.3	16.9	26.9	14.2	14.4	18.4	15.9	23.1	46.9	45.9
10,000 to 49,999 lb	18.1	23.9	34.0	11.0	11.5	17.2	11.0	44.0	49.1	47.1
50,000 to 99,999 lb	10.0	13.4	20.6	12.7	6.1	7.0	7.8	34.6	43.0	41.0
100,000 lb or more	37.4	38.4	S	22.2	48.1	43.5	42.3	46.9	S	S
SCTG 18, Fuel oils	12.5	13.0	17.1	12.3	13.4	14.2	13.9	21.5	21.7	21.0
Less than 50 lb	S	36.8	39.2	18.8	S	36.8	39.2	—	—	—
50 to 99 lb	39.6	27.3	36.6	S	39.6	27.4	37.6	S	S	S
100 to 499 lb	40.8	21.1	25.8	12.2	41.1	21.6	28.4	S	S	S
500 to 749 lb	18.1	16.2	25.3	9.9	18.3	16.3	25.9	S	S	S
750 to 999 lb	18.3	21.3	17.7	36.8	18.4	21.3	18.5	—	—	—
1,000 to 9,999 lb	13.3	15.0	31.8	28.8	12.7	15.4	20.3	27.2	S	S
10,000 to 49,999 lb	10.3	10.1	20.0	10.9	9.6	8.0	14.4	36.2	35.1	36.6
50,000 to 99,999 lb	11.9	12.0	15.2	11.1	11.4	12.3	17.0	17.8	17.6	16.6
100,000 lb or more	S	S	38.8	27.7	S	S	46.9	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	12.4	16.7	30.0	16.0	13.9	24.4	30.0	17.1	19.5	20.7
Less than 50 lb	14.4	15.6	26.9	26.4	15.9	16.5	23.6	26.8	30.5	33.1
50 to 99 lb	21.4	20.5	20.1	30.9	22.6	22.6	20.3	46.7	47.5	47.8
100 to 499 lb	23.0	18.3	23.4	37.9	20.9	17.4	22.3	46.0	43.2	44.0
500 to 749 lb	18.8	16.7	19.7	S	20.4	18.4	21.1	S	46.7	49.6
750 to 999 lb	20.6	21.9	32.4	24.1	20.0	22.0	20.1	40.6	43.8	44.0
1,000 to 9,999 lb	17.4	18.6	22.0	18.0	18.5	19.6	17.1	43.5	46.7	47.8
10,000 to 49,999 lb	19.8	23.0	19.6	13.2	16.0	31.8	36.8	18.8	15.6	16.7
50,000 to 99,999 lb	26.6	26.4	33.1	12.4	41.9	37.4	39.9	34.9	41.1	44.0
100,000 lb or more	24.8	32.5	S	32.5	S	42.9	S	S	S	S
SCTG 20, Basic chemicals ..	7.3	10.3	13.7	23.1	10.6	15.0	14.3	13.4	15.7	16.7
Less than 50 lb	22.3	28.3	34.6	24.6	36.7	34.7	40.8	39.5	S	S
50 to 99 lb	21.8	32.3	35.8	31.9	25.0	40.4	S	37.1	46.5	48.5
100 to 499 lb	15.4	31.9	18.1	23.5	21.2	36.0	39.9	22.8	21.0	20.9
500 to 749 lb	19.1	27.4	29.3	28.9	24.2	35.8	46.3	24.0	19.6	18.8
750 to 999 lb	13.0	25.5	18.3	27.6	23.5	32.2	20.5	18.4	15.7	17.3
1,000 to 9,999 lb	13.1	10.9	13.3	10.9	16.6	13.0	17.6	25.0	18.3	18.2
10,000 to 49,999 lb	7.5	12.5	13.4	8.4	14.5	21.4	22.1	12.7	18.6	20.0
50,000 to 99,999 lb	21.0	21.1	26.3	16.9	22.9	24.9	28.0	S	S	S
100,000 lb or more	16.4	17.6	20.0	9.3	38.1	27.6	31.8	S	43.6	44.0
SCTG 21, Pharmaceutical products	12.1	27.5	42.9	10.1	29.3	38.5	23.8	16.5	26.7	27.5
Less than 50 lb	14.0	12.0	16.6	9.9	26.6	16.2	16.2	14.7	25.0	25.3
50 to 99 lb	17.0	13.7	32.2	12.7	27.3	25.6	24.9	18.3	22.8	21.9
100 to 499 lb	17.0	19.7	48.4	12.7	18.0	16.4	13.2	24.1	25.4	25.2
500 to 749 lb	38.0	27.1	47.6	15.0	30.1	25.0	33.2	S	46.4	47.0
750 to 999 lb	28.8	32.0	38.0	19.4	39.9	40.1	34.4	S	35.2	37.3
1,000 to 9,999 lb	19.3	17.9	26.9	12.2	41.6	18.6	26.3	37.5	42.5	43.1
10,000 to 49,999 lb	22.6	35.9	S	11.0	43.8	S	38.1	39.6	46.4	46.9
50,000 to 99,999 lb	S	S	S	23.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	22.4	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	11.2	18.6	12.8	11.5	13.6	21.8	26.0	26.4	10.4	10.9
Less than 50 lb	S	S	S	19.9	S	S	S	S	S	S
50 to 99 lb	S	30.4	29.5	36.9	27.1	38.0	44.4	S	S	S
100 to 499 lb	47.2	34.2	S	12.0	S	24.7	43.0	S	S	S
500 to 749 lb	27.9	28.2	29.4	26.5	27.8	32.2	26.3	33.1	S	S
750 to 999 lb	22.3	18.9	28.3	23.9	29.8	20.3	30.7	S	S	S
1,000 to 9,999 lb	22.1	20.8	31.5	13.8	17.8	22.0	21.6	48.1	37.3	36.9
10,000 to 49,999 lb	11.8	12.9	15.9	15.8	17.8	20.9	19.6	21.4	13.5	14.5
50,000 to 99,999 lb	24.1	19.2	15.4	16.3	33.3	23.4	28.0	18.8	17.4	18.1
100,000 lb or more	12.9	22.2	14.3	14.4	17.9	25.4	28.7	36.0	32.2	30.7
SCTG 23, Chemical products and preparations, n.e.c.	5.2	7.8	13.2	15.3	8.4	10.4	9.8	11.0	15.3	14.1
Less than 50 lb	17.9	18.0	19.3	15.4	22.5	21.5	16.6	21.6	23.0	24.9
50 to 99 lb	11.1	14.0	15.0	15.0	21.1	21.2	11.7	17.6	14.4	14.4
100 to 499 lb	9.5	32.5	9.3	16.3	16.4	46.6	21.6	18.0	12.5	14.0
500 to 749 lb	12.6	13.4	13.0	14.7	18.0	21.3	16.3	22.5	19.1	19.3
750 to 999 lb	15.9	23.7	19.1	14.5	23.6	37.8	20.6	28.1	24.6	25.1
1,000 to 9,999 lb	10.4	11.4	11.8	8.0	13.2	20.1	23.5	10.7	14.4	15.4
10,000 to 49,999 lb	7.1	9.3	9.5	6.6	11.2	12.6	12.6	16.6	17.8	16.2
50,000 to 99,999 lb	16.1	20.1	33.2	S	30.2	39.6	42.4	41.5	46.2	48.4
100,000 lb or more	25.5	28.6	42.4	12.2	S	S	S	S	45.6	40.7
SCTG 24, Plastics and rubber	5.0	6.7	10.0	6.2	7.2	8.4	10.6	7.0	10.6	11.1
Less than 50 lb	8.3	6.8	10.1	7.0	11.4	7.0	5.2	12.9	11.5	11.6
50 to 99 lb	6.7	6.0	9.6	8.3	8.3	8.2	7.8	9.9	6.9	7.5
100 to 499 lb	7.5	11.2	12.3	9.9	10.2	14.2	10.7	16.5	11.9	10.2
500 to 749 lb	10.0	15.2	14.9	11.2	16.8	26.1	17.1	15.3	16.6	15.9
750 to 999 lb	9.2	9.7	12.8	8.5	17.7	13.7	13.0	21.3	23.6	22.3
1,000 to 9,999 lb	6.1	6.1	5.6	5.8	10.0	11.6	11.6	11.0	12.4	11.9
10,000 to 49,999 lb	9.2	10.9	13.9	4.0	13.1	17.5	21.1	13.1	16.5	17.9
50,000 to 99,999 lb	26.7	28.6	21.6	36.0	35.0	39.5	43.8	S	S	S
100,000 lb or more	25.9	19.3	22.3	18.6	39.0	34.2	31.7	S	S	S
SCTG 25, Logs and other wood in the rough	14.9	23.0	30.7	7.9	15.5	20.5	17.1	34.5	S	S
Less than 50 lb	S	S	S	31.8	S	S	S	—	—	—
50 to 99 lb	S	S	S	22.4	S	S	S	—	—	—
100 to 499 lb	S	48.4	S	44.7	S	43.7	48.1	—	—	—
500 to 749 lb	S	S	S	29.6	S	49.9	S	S	S	S
750 to 999 lb	S	S	S	21.6	S	S	S	—	—	—
1,000 to 9,999 lb	S	27.7	30.0	S	32.9	30.3	45.5	S	42.0	37.8
10,000 to 49,999 lb	14.9	20.8	27.3	11.8	18.6	20.9	18.5	24.3	38.2	37.3
50,000 to 99,999 lb	19.8	28.4	38.4	7.1	21.5	25.9	22.5	45.0	S	S
100,000 lb or more	29.0	31.5	46.0	S	40.6	46.7	41.4	37.7	40.2	38.7
SCTG 26, Wood products	5.7	15.3	10.9	10.4	6.4	18.9	19.4	6.2	30.3	30.2
Less than 50 lb	20.3	20.6	29.8	11.8	14.3	12.2	15.3	22.4	23.7	23.7
50 to 99 lb	22.1	17.7	38.6	14.1	11.5	9.9	12.5	17.5	17.1	17.0
100 to 499 lb	13.6	10.1	16.9	11.4	14.2	8.6	10.9	11.9	11.2	11.4
500 to 749 lb	14.0	13.2	18.4	12.8	19.5	19.7	18.8	33.8	15.3	14.6
750 to 999 lb	16.0	24.3	21.7	20.7	21.8	34.8	19.2	22.9	22.0	23.6
1,000 to 9,999 lb	6.9	11.2	9.0	13.7	10.6	16.0	11.3	10.1	8.9	9.3
10,000 to 49,999 lb	10.7	12.0	13.4	5.6	7.5	23.7	13.4	9.2	10.2	10.2
50,000 to 99,999 lb	10.8	38.3	23.6	14.3	14.4	41.6	39.0	16.4	S	S
100,000 lb or more	18.4	15.2	11.5	10.5	S	42.0	S	25.8	28.6	26.1
SCTG 27, Pulp, newsprint, paper, and paperboard	6.9	6.5	8.3	15.0	9.4	8.4	9.5	9.4	10.8	11.7
Less than 50 lb	13.1	13.7	17.4	29.0	14.2	15.4	19.8	21.0	26.8	23.7
50 to 99 lb	12.6	15.0	30.2	41.8	14.0	15.8	19.0	39.1	S	S
100 to 499 lb	14.1	15.4	29.2	20.2	19.8	17.9	18.1	28.3	20.0	20.7
500 to 749 lb	16.5	15.4	24.7	15.1	25.2	19.7	16.1	34.2	14.1	15.0
750 to 999 lb	13.4	13.4	16.8	13.6	18.3	16.4	20.4	26.0	22.8	24.0
1,000 to 9,999 lb	9.7	12.5	12.1	11.1	14.3	18.3	18.2	13.5	13.8	14.2
10,000 to 49,999 lb	8.4	7.2	9.5	5.6	14.7	12.0	11.2	16.9	15.3	17.4
50,000 to 99,999 lb	17.5	15.7	16.3	15.5	32.1	33.8	45.7	43.5	35.0	35.8
100,000 lb or more	9.7	8.8	10.7	3.7	25.6	25.9	33.0	22.7	22.5	22.6
SCTG 28, Paper or paperboard articles	6.9	6.6	11.0	10.9	5.9	6.9	8.2	8.2	12.6	12.3
Less than 50 lb	14.2	8.2	18.0	13.5	18.7	9.8	12.7	18.1	14.1	14.2
50 to 99 lb	13.5	12.8	21.5	14.6	14.3	11.8	13.9	33.9	28.6	33.4
100 to 499 lb	9.7	9.6	13.2	12.8	10.7	10.1	11.5	13.3	15.4	15.5
500 to 749 lb	19.3	15.0	28.6	10.9	12.9	10.7	11.5	19.9	16.5	15.8
750 to 999 lb	14.9	14.3	19.4	13.9	17.7	17.1	22.6	42.1	28.0	29.4
1,000 to 9,999 lb	6.9	8.1	10.5	7.1	8.7	9.4	11.5	12.8	10.2	10.4
10,000 to 49,999 lb	10.3	7.9	10.5	6.4	10.5	10.7	11.9	11.3	15.9	15.6
50,000 to 99,999 lb	38.8	29.1	40.5	37.9	S	S	47.1	S	S	S
100,000 lb or more	33.3	32.9	35.5	18.0	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	5.9	11.9	11.8	9.4	9.2	16.4	15.5	6.9	14.4	14.7
Less than 50 lb	12.5	12.0	18.9	8.3	15.8	17.9	16.6	21.0	19.5	20.8
50 to 99 lb	12.7	12.6	12.4	14.2	14.7	16.0	20.1	22.3	24.0	27.8
100 to 499 lb	25.1	15.7	27.7	15.6	38.2	19.1	16.1	13.8	14.5	14.2
500 to 749 lb	15.7	17.4	18.9	25.7	20.5	24.7	18.6	33.2	20.1	19.3
750 to 999 lb	18.8	23.5	10.8	17.6	25.1	29.8	27.2	48.1	24.4	22.8
1,000 to 9,999 lb	7.7	11.7	11.1	17.2	9.9	13.3	13.3	14.1	20.1	21.8
10,000 to 49,999 lb	9.3	19.3	18.8	18.6	17.2	29.8	24.5	16.9	20.6	20.2
50,000 to 99,999 lb	27.1	41.0	40.4	S	35.4	46.5	46.0	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	14.9	4.8	9.1	3.0	18.9	8.0	9.6	S	8.8	8.8
Less than 50 lb	6.2	5.4	6.7	3.3	11.6	10.4	8.2	20.8	10.1	10.3
50 to 99 lb	8.5	7.4	9.5	3.5	14.6	10.0	9.6	13.8	17.2	17.9
100 to 499 lb	4.2	5.7	6.3	3.6	10.4	6.7	9.3	11.1	13.6	12.6
500 to 749 lb	5.8	9.4	12.7	5.2	14.3	22.1	32.3	19.3	33.2	36.6
750 to 999 lb	15.6	9.9	11.2	5.2	11.3	12.0	11.8	20.6	16.5	18.0
1,000 to 9,999 lb	37.0	8.2	9.5	3.5	43.6	13.3	11.2	S	28.9	29.8
10,000 to 49,999 lb	5.3	5.9	13.9	4.9	8.0	9.5	12.7	7.3	8.3	8.4
50,000 to 99,999 lb	38.4	28.0	36.8	23.5	25.1	24.1	28.6	36.0	41.5	41.8
100,000 lb or more	21.4	27.1	42.9	18.1	39.1	38.9	S	S	S	S
SCTG 31, Nonmetallic mineral products	6.9	7.7	7.4	9.8	7.2	9.3	10.8	7.9	16.4	15.6
Less than 50 lb	15.7	11.6	21.1	9.3	13.7	14.3	15.8	30.3	23.2	26.1
50 to 99 lb	17.6	15.1	17.8	16.4	18.5	14.6	17.3	45.2	41.5	39.3
100 to 499 lb	10.8	9.4	15.7	14.4	15.9	13.4	14.5	23.0	22.6	20.9
500 to 749 lb	16.7	15.2	21.2	16.5	22.4	20.1	15.5	28.2	20.0	20.6
750 to 999 lb	27.0	24.5	33.0	22.9	24.7	27.5	24.3	37.6	37.9	39.9
1,000 to 9,999 lb	22.4	10.7	9.7	10.1	15.2	12.1	17.6	11.3	15.9	16.8
10,000 to 49,999 lb	5.0	8.6	7.9	10.8	9.6	9.9	11.9	9.8	22.7	21.4
50,000 to 99,999 lb	15.6	17.6	15.6	5.3	19.2	18.3	22.7	18.9	21.9	20.5
100,000 lb or more	29.5	16.2	24.3	29.1	41.6	24.3	29.1	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	6.5	14.9	12.1	10.4	7.8	15.7	26.7	14.5	26.1	27.1
Less than 50 lb	18.7	9.3	23.3	14.9	18.6	11.0	11.6	25.1	15.6	15.6
50 to 99 lb	13.6	11.8	23.6	20.1	16.4	14.0	11.8	26.8	27.3	31.7
100 to 499 lb	9.3	10.9	8.5	9.4	11.5	14.9	16.0	19.7	16.5	17.4
500 to 749 lb	8.1	10.2	12.3	12.4	15.0	13.6	13.7	23.5	17.1	17.3
750 to 999 lb	15.6	12.0	12.3	11.3	12.9	16.1	18.0	37.6	27.5	27.5
1,000 to 9,999 lb	9.1	9.3	18.3	7.9	12.1	14.6	14.3	15.2	13.4	13.1
10,000 to 49,999 lb	7.0	14.2	10.0	8.4	12.0	21.3	35.2	18.2	31.0	32.5
50,000 to 99,999 lb	18.1	20.8	42.8	14.6	27.6	30.0	30.0	34.5	42.4	44.1
100,000 lb or more	20.1	33.7	24.6	13.7	41.2	38.7	41.6	42.3	44.7	47.4
SCTG 33, Articles of base metal	5.5	5.8	9.4	8.7	5.7	10.0	7.6	9.5	12.5	11.6
Less than 50 lb	14.3	12.0	13.8	10.6	14.6	16.0	13.6	18.6	14.8	14.4
50 to 99 lb	13.0	9.7	13.4	10.9	13.0	8.0	8.5	17.5	22.7	19.5
100 to 499 lb	7.7	5.9	8.7	10.2	8.5	8.4	8.7	13.9	11.8	11.4
500 to 749 lb	6.4	6.6	6.2	7.0	14.1	9.5	9.3	22.9	17.8	18.9
750 to 999 lb	10.7	8.4	13.1	9.2	12.2	13.4	13.7	34.1	12.4	13.4
1,000 to 9,999 lb	4.4	5.5	7.0	5.9	7.2	8.6	11.3	11.1	11.5	10.7
10,000 to 49,999 lb	7.3	7.1	10.1	8.9	15.3	16.1	11.2	17.2	16.2	13.9
50,000 to 99,999 lb	17.2	24.9	42.5	22.1	29.2	S	36.9	49.0	S	49.8
100,000 lb or more	33.0	27.2	S	18.1	S	S	S	S	S	S
SCTG 34, Machinery	7.4	5.6	8.6	6.6	8.9	7.4	6.8	17.4	12.6	12.7
Less than 50 lb	10.1	13.4	12.0	8.0	10.9	16.6	19.1	22.2	16.8	17.6
50 to 99 lb	12.9	19.4	24.9	8.9	11.9	13.1	15.4	30.7	23.3	23.8
100 to 499 lb	8.1	11.2	7.4	6.6	12.6	17.6	17.1	15.7	11.8	13.3
500 to 749 lb	12.7	7.8	9.6	10.5	15.0	17.2	23.9	19.7	23.4	22.3
750 to 999 lb	8.5	8.4	13.0	8.5	21.3	17.6	18.3	29.1	31.3	33.9
1,000 to 9,999 lb	10.5	5.6	7.3	4.4	12.7	13.7	9.6	9.6	17.0	16.5
10,000 to 49,999 lb	9.1	8.2	10.9	6.0	22.3	19.0	19.7	15.5	15.1	15.6
50,000 to 99,999 lb	S	27.8	34.7	12.6	S	48.9	S	S	48.3	49.6
100,000 lb or more	S	32.8	34.8	21.4	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	11.1	11.6	14.4	6.9	12.8	20.6	21.9	9.6	11.5	10.5
Less than 50 lb	7.0	5.8	10.3	7.3	11.2	8.2	8.3	16.6	11.5	10.7
50 to 99 lb	13.3	7.0	9.9	7.4	38.1	8.3	9.0	15.4	13.5	14.3
100 to 499 lb	10.3	7.6	11.0	8.4	25.3	9.5	11.0	14.9	25.0	24.1
500 to 749 lb	10.3	7.1	10.5	9.0	18.9	12.0	12.6	28.3	24.7	27.2
750 to 999 lb	16.8	13.3	17.4	10.4	20.2	20.6	33.9	40.0	S	S
1,000 to 9,999 lb	33.1	10.7	13.4	6.3	16.2	14.8	11.9	28.2	15.9	16.3
10,000 to 49,999 lb	12.4	16.3	22.5	4.8	19.8	16.1	21.7	27.6	13.9	13.1
50,000 to 99,999 lb	31.1	32.8	S	20.2	S	S	S	S	S	S
100,000 lb or more	34.7	S	33.0	S	S	S	S	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	7.4	7.5	8.0	9.5	15.5	15.6	21.5	18.3	14.8	13.7
Less than 50 lb	10.9	9.0	10.8	10.9	13.7	14.4	18.0	10.1	10.7	10.3
50 to 99 lb	10.5	12.4	11.5	14.2	21.9	24.1	27.5	27.5	24.6	23.6
100 to 499 lb	9.9	7.4	12.1	9.6	14.3	14.9	13.4	19.4	14.8	15.6
500 to 749 lb	19.0	11.2	24.5	12.0	30.9	14.2	17.0	45.0	19.4	21.6
750 to 999 lb	22.7	24.1	23.0	18.5	43.7	39.9	S	S	S	S
1,000 to 9,999 lb	11.5	9.1	11.8	9.7	18.4	15.1	19.6	28.7	19.8	20.7
10,000 to 49,999 lb	12.2	10.4	8.5	9.4	32.1	25.5	33.0	15.6	24.4	23.5
50,000 to 99,999 lb	S	34.1	43.0	15.8	S	S	39.3	46.7	48.7	48.0
100,000 lb or more	S	38.8	S	18.6	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	17.8	19.3	18.4	8.7	40.4	S	S	27.8	29.3	31.3
Less than 50 lb	25.2	17.3	19.6	10.0	33.7	S	S	23.9	49.6	46.1
50 to 99 lb	34.2	18.6	23.3	9.3	40.9	S	47.0	S	45.2	43.4
100 to 499 lb	20.0	20.7	20.2	8.2	42.0	39.5	S	S	35.0	35.9
500 to 749 lb	33.5	22.1	18.4	13.7	S	46.2	S	—	—	—
750 to 999 lb	21.8	18.4	25.4	14.6	S	48.3	S	S	S	S
1,000 to 9,999 lb	30.1	16.2	14.3	11.7	S	24.4	41.6	48.5	36.1	39.6
10,000 to 49,999 lb	35.1	38.3	20.6	14.1	27.2	S	S	31.8	32.6	31.7
50,000 to 99,999 lb	S	S	S	20.7	—	—	—	—	—	—
100,000 lb or more	44.3	44.5	45.4	20.3	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	7.4	22.5	23.9	9.6	12.2	17.3	19.8	15.9	S	S
Less than 50 lb	14.5	12.8	20.0	9.6	18.4	19.2	19.4	19.9	28.1	28.6
50 to 99 lb	26.1	27.0	37.2	10.1	28.1	26.8	31.7	38.3	42.4	42.2
100 to 499 lb	9.5	11.4	17.2	11.5	21.6	19.3	19.5	32.1	22.0	22.1
500 to 749 lb	17.1	14.5	17.7	11.2	34.2	25.0	31.2	S	S	S
750 to 999 lb	25.2	29.1	33.1	13.1	S	35.5	40.9	49.7	S	S
1,000 to 9,999 lb	22.6	23.7	48.5	14.5	28.1	32.5	38.3	35.5	35.2	34.2
10,000 to 49,999 lb	25.8	S	42.0	20.3	45.9	37.7	38.0	42.6	S	S
50,000 to 99,999 lb	S	S	S	22.4	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	4.6	6.8	6.9	5.3	9.6	10.4	9.7	8.9	17.7	15.4
Less than 50 lb	13.6	9.5	17.1	11.4	26.8	21.1	20.8	30.9	23.6	24.0
50 to 99 lb	9.4	7.3	10.3	5.9	25.2	15.4	14.7	36.1	16.5	18.2
100 to 499 lb	5.9	5.7	6.0	4.4	13.4	12.2	16.9	7.6	8.2	8.6
500 to 749 lb	8.3	8.6	8.8	6.4	16.9	14.9	13.4	11.4	10.4	10.3
750 to 999 lb	9.7	10.6	11.2	7.1	14.4	14.5	14.5	17.1	17.3	16.5
1,000 to 9,999 lb	7.8	10.2	8.4	5.9	13.7	15.7	15.3	15.8	18.2	17.6
10,000 to 49,999 lb	10.8	12.5	14.6	8.1	24.2	23.4	27.5	17.2	31.0	27.4
50,000 to 99,999 lb	44.1	38.5	S	22.0	S	S	S	S	S	S
100,000 lb or more	49.5	S	S	24.2	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	12.2	12.4	12.6	6.1	8.3	24.5	22.5	19.2	18.5	18.1
Less than 50 lb	8.1	7.6	12.3	6.1	8.5	8.3	7.9	13.2	15.5	16.3
50 to 99 lb	10.1	10.0	14.5	6.6	11.9	10.1	13.5	15.5	17.3	17.3
100 to 499 lb	7.6	6.2	9.8	7.3	15.0	11.1	11.0	12.5	19.1	22.9
500 to 749 lb	11.5	6.7	18.2	13.5	15.1	11.7	14.5	20.8	22.7	21.5
750 to 999 lb	9.3	9.3	15.8	13.1	18.7	20.7	17.2	18.6	19.7	18.3
1,000 to 9,999 lb	8.6	11.1	9.5	10.2	14.5	20.8	19.5	14.2	18.6	18.7
10,000 to 49,999 lb	28.8	17.0	20.8	15.0	15.2	35.8	28.7	43.7	11.4	11.4
50,000 to 99,999 lb	29.7	35.9	22.4	39.8	S	48.0	S	35.4	43.0	43.1
100,000 lb or more	S	36.8	44.0	15.2	S	S	S	S	S	S
SCTG 41, Waste and scrap .	13.1	12.6	15.9	13.7	35.3	17.3	25.6	16.4	18.6	18.5
Less than 50 lb	S	S	49.8	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	30.2	49.2	23.7	S	45.4	S	S	S	S
500 to 749 lb	S	S	49.4	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	47.2	31.5	S	S	49.7	47.5	S	S	S
10,000 to 49,999 lb	11.0	14.3	19.3	10.2	30.1	19.8	31.8	18.5	19.1	19.2
50,000 to 99,999 lb	32.7	23.8	23.7	28.4	S	30.3	25.0	31.5	39.9	39.3
100,000 lb or more	19.2	16.5	21.2	12.3	S	S	S	S	S	48.2
SCTG 43, Mixed freight.....	22.0	24.7	17.1	12.5	25.1	31.4	33.2	23.1	25.3	24.5
Less than 50 lb	27.0	33.8	S	19.8	31.5	19.5	21.1	31.7	40.7	41.6
50 to 99 lb	23.3	28.1	S	17.9	28.8	27.6	21.0	32.2	36.7	36.0
100 to 499 lb	13.4	15.2	30.0	13.3	14.9	15.2	14.9	20.0	28.2	28.6
500 to 749 lb	11.9	15.4	18.8	11.6	18.8	17.0	16.4	29.4	29.4	29.8
750 to 999 lb	11.1	14.4	22.4	18.3	17.4	20.1	23.9	26.1	17.0	17.7
1,000 to 9,999 lb	10.3	9.5	22.7	13.6	13.2	13.5	12.8	13.3	11.9	12.4
10,000 to 49,999 lb	30.5	31.9	22.7	24.4	34.3	38.6	40.1	33.7	33.2	32.0
50,000 to 99,999 lb	45.0	47.6	S	25.2	S	S	49.1	S	S	S
100,000 lb or more	S	45.8	S	20.7	S	49.5	S	S	S	S

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	15.3	17.5	23.1	24.5	16.2	26.8	24.6	26.3	29.7	29.5
Less than 50 lb	20.0	17.7	19.7	15.0	38.5	31.3	15.7	S	37.8	37.8
50 to 99 lb	19.8	28.5	47.5	S	41.1	42.1	40.0	45.6	S	S
100 to 499 lb	19.1	26.8	42.8	14.7	24.6	37.8	26.8	42.6	S	S
500 to 749 lb	S	47.9	22.2	45.0	S	S	S	S	S	S
750 to 999 lb	34.9	29.9	25.7	40.8	S	37.8	40.0	S	S	S
1,000 to 9,999 lb	20.8	27.0	19.3	22.4	25.9	27.6	25.3	S	40.1	39.0
10,000 to 49,999 lb	26.7	22.3	22.1	25.6	29.9	27.9	30.0	41.4	36.8	36.2
50,000 to 99,999 lb	36.7	43.7	32.2	43.8	41.7	S	47.2	S	S	S
100,000 lb or more	S	46.5	S	25.0	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	4.4	7.1	8.4	4.7	7.8	7.8	2.9	5.6	6.6	2.9	5.5	5.9
Less than 50 lb	4.8	6.1	6.2	4.9	4.3	3.8	5.3	3.6	3.5	5.8	5.9	5.9
50 to 99 lb	9.0	8.0	7.6	6.1	7.8	7.4	9.6	6.7	6.3	15.4	8.8	8.2
100 to 499 lb	5.4	4.7	5.0	5.9	5.7	5.0	4.6	2.9	2.8	5.8	4.2	4.4
500 to 749 lb	10.2	5.9	5.9	7.8	5.1	4.7	10.3	8.5	8.2	8.3	8.1	8.0
750 to 999 lb	4.9	6.9	7.3	9.2	4.3	4.0	9.5	6.3	6.1	24.9	7.0	6.9
1,000 to 9,999 lb	12.6	4.4	4.3	17.4	3.6	3.7	8.4	4.7	4.8	7.8	5.4	5.5
10,000 to 49,999 lb	8.7	4.6	4.2	3.4	4.1	4.3	4.2	4.4	4.2	5.5	7.4	8.0
50,000 to 99,999 lb	8.4	11.3	11.3	19.7	11.1	12.7	48.1	19.5	17.8	23.5	27.1	27.3
100,000 lb or more	12.5	13.7	14.5	8.6	12.7	11.9	12.5	12.3	13.6	14.4	11.5	11.5
SCTG 01, Live animals and live fish	S	S	S	45.2	S	S	S	S	S	S	S	S
Less than 50 lb	S	49.7	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	49.6	S	S	S	S	S	S	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	49.8	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	39.5	35.4	36.3	S	S	S	—	—	—
50,000 to 99,999 lb	S	48.1	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 02, Cereal grains	22.4	23.3	26.3	42.1	45.6	42.0	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	32.3	32.9	33.4	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	31.0	32.1	30.5	S	S	S	—	—	—	—	—	—
100,000 lb or more	37.2	37.4	39.0	43.3	47.3	43.2	S	S	S	S	S	S
SCTG 03, Other agricultural products	14.7	15.3	16.5	12.1	30.3	29.8	16.8	23.7	25.0	26.8	S	S
Less than 50 lb	48.7	S	S	45.4	S	S	31.8	S	S	40.6	S	S
50 to 99 lb	S	S	S	45.1	S	S	31.0	24.6	24.5	46.1	33.2	32.2
100 to 499 lb	22.4	24.1	22.5	43.3	34.1	35.3	18.4	21.8	21.4	18.3	18.3	18.6
500 to 749 lb	30.5	27.8	26.1	38.6	39.1	38.9	S	S	S	35.0	40.2	40.8
750 to 999 lb	33.3	41.8	48.8	S	S	S	46.9	48.1	46.5	S	S	S
1,000 to 9,999 lb	20.8	34.8	33.1	29.7	29.3	30.0	21.4	34.0	34.1	31.0	33.5	33.9
10,000 to 49,999 lb	19.8	24.0	26.4	14.9	38.5	38.4	22.0	28.6	30.3	15.1	24.5	24.2
50,000 to 99,999 lb	48.7	37.6	39.1	S	45.0	43.1	S	S	S	S	S	S
100,000 lb or more	49.7	30.7	31.8	37.6	31.5	25.9	S	41.8	43.5	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	21.2	15.9	17.0	19.4	17.2	17.5	19.1	20.7	21.1	S	40.6	42.0
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	49.6	43.9	43.6	S	44.2	45.3	S	S	S	S	S	S
10,000 to 49,999 lb	21.4	18.1	19.0	23.8	19.8	19.4	19.8	26.2	26.2	S	37.3	39.2
50,000 to 99,999 lb	27.6	26.4	28.1	25.6	26.6	30.0	36.4	31.7	33.7	40.5	42.9	44.1
100,000 lb or more	S	47.1	S	38.9	36.6	36.0	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	9.0	9.3	9.4	7.2	8.4	8.3	9.5	10.4	10.4	19.6	13.7	13.6
Less than 50 lb	47.8	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	49.9	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	31.0	34.8	31.9	S	S	S	46.3	40.6	40.5	S	44.5	45.7
500 to 749 lb	24.9	20.8	21.1	34.6	32.3	28.8	40.1	46.9	S	33.7	34.3	34.1
750 to 999 lb	24.1	22.1	22.2	31.2	42.7	37.1	34.6	48.5	S	S	S	S
1,000 to 9,999 lb	13.6	14.7	14.9	12.7	14.8	15.2	24.4	23.3	24.5	24.6	16.6	16.8
10,000 to 49,999 lb	11.2	11.0	11.1	8.7	8.6	8.4	10.6	11.1	11.2	19.8	15.6	15.5
50,000 to 99,999 lb	44.8	39.5	30.6	S	S	S	S	48.3	48.9	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	11.0	10.1	10.9	14.1	14.2	14.7	17.0	15.0	15.3	14.8	14.1	14.7
Less than 50 lb	S	S	S	46.9	36.5	37.8	49.5	S	S	49.3	38.0	37.7
50 to 99 lb	S	S	S	S	S	S	S	47.9	47.4	S	S	S
100 to 499 lb	37.7	23.9	24.5	27.4	26.2	26.1	38.1	46.8	46.6	46.6	38.5	38.8
500 to 749 lb	32.5	29.6	31.3	43.9	41.9	40.6	38.3	39.2	36.5	S	S	S
750 to 999 lb	43.2	32.8	33.8	S	S	S	46.6	47.6	47.5	S	S	S
1,000 to 9,999 lb	17.4	24.9	22.0	18.8	20.8	19.9	39.6	34.6	34.1	26.0	27.1	26.2
10,000 to 49,999 lb	13.8	11.2	12.4	17.7	16.6	17.3	17.7	16.6	16.9	17.3	15.9	16.5
50,000 to 99,999 lb	48.7	46.4	40.7	S	46.1	46.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	8.9	13.2	13.3	11.8	13.4	12.7	17.5	28.2	28.3	16.2	25.1	24.9
Less than 50 lb	40.1	39.9	40.7	33.6	35.1	33.5	28.9	30.6	30.6	S	43.8	44.2
50 to 99 lb	41.6	37.9	38.3	27.6	30.7	28.2	S	S	S	S	S	S
100 to 499 lb	24.3	24.1	23.1	33.8	35.2	34.6	35.1	40.0	40.9	S	S	S
500 to 749 lb	17.0	21.9	22.2	23.8	25.8	26.2	31.3	30.5	30.6	47.0	44.9	44.8
750 to 999 lb	19.1	20.4	19.9	28.4	28.1	29.5	39.4	37.0	34.8	S	S	S
1,000 to 9,999 lb	17.5	17.7	19.0	16.0	21.3	20.8	34.4	34.5	34.4	30.1	22.4	22.7
10,000 to 49,999 lb	12.5	13.9	14.3	17.3	18.5	18.3	14.1	18.0	17.9	18.3	18.1	18.7
50,000 to 99,999 lb	S	S	S	34.1	46.1	41.6	S	S	S	S	S	S
100,000 lb or more	30.9	28.8	35.5	27.9	28.1	27.4	S	S	S	S	S	S
SCTG 08, Alcoholic beverages	14.3	16.3	16.2	20.4	20.1	20.3	30.3	30.5	32.1	47.5	47.0	46.8
Less than 50 lb	30.0	27.6	27.2	S	S	S	S	S	S	—	—	—
50 to 99 lb	33.6	30.2	32.4	S	S	S	S	S	S	—	—	—
100 to 499 lb	22.3	20.9	21.1	S	S	S	—	—	—	—	—	—
500 to 749 lb	36.5	28.6	30.5	S	S	S	—	—	—	—	—	—
750 to 999 lb	40.0	39.7	37.7	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	24.6	19.8	19.7	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	19.3	18.5	18.9	20.9	20.8	21.2	30.5	30.6	32.2	47.5	47.0	46.8
50,000 to 99,999 lb	42.2	38.7	36.1	41.4	41.0	41.0	—	—	—	—	—	—
100,000 lb or more	S	46.3	47.1	S	S	S	—	—	—	—	—	—
SCTG 09, Tobacco products	26.1	25.8	23.4	31.1	26.0	26.3	26.8	24.8	25.0	32.9	31.8	32.0
Less than 50 lb	46.4	29.6	27.9	37.7	35.1	36.8	S	35.2	38.0	32.6	38.8	39.3
50 to 99 lb	38.4	29.0	24.2	31.0	27.8	25.3	34.4	32.8	31.6	46.9	38.6	38.2
100 to 499 lb	37.4	37.3	39.9	29.7	25.3	24.8	28.7	28.8	28.8	48.0	46.5	46.7
500 to 749 lb	44.4	37.5	39.2	42.6	38.7	37.2	46.5	43.3	43.3	S	47.3	47.4
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	25.5	32.8	29.1	35.1	32.4	31.8	32.6	30.4	31.2	42.4	43.2	42.3
10,000 to 49,999 lb	36.9	24.2	21.7	32.2	27.6	27.8	29.6	29.4	29.7	37.2	38.3	38.4
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	48.8	47.3	27.5	37.1	35.7	27.7	22.9	22.3	26.5	33.9	33.2
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	46.5	32.2	31.5	37.4	34.8	34.6	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	37.3	35.9	36.4	S	S	S	S	S	S
1,000 to 9,999 lb	39.6	42.5	46.2	S	36.5	36.7	31.6	25.5	25.3	38.0	39.1	39.6
10,000 to 49,999 lb	S	S	48.3	32.9	40.9	40.1	37.3	28.9	28.5	48.5	44.1	43.3
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 11, Natural sands	26.2	20.3	21.7	31.7	33.8	35.3	44.4	34.5	34.0	44.4	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	—	—	—	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	47.3	S	S	S	S	46.8	46.8	S	S	S
10,000 to 49,999 lb	42.8	23.0	25.1	34.1	27.9	29.5	46.4	41.4	41.0	35.7	34.8	34.8
50,000 to 99,999 lb	25.5	39.0	33.7	43.6	S	S	S	S	S	—	—	—
100,000 lb or more	27.4	26.7	27.0	S	37.0	38.6	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	17.2	19.8	20.8	29.5	38.4	39.0	40.8	S	S	37.9	37.2	37.3
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	23.3	27.7	25.6	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	21.6	23.3	24.0	40.3	S	S	41.2	38.8	39.2	43.4	44.3	44.5
50,000 to 99,999 lb	35.8	37.4	42.8	46.0	S	S	S	S	S	47.1	46.1	46.1
100,000 lb or more	27.5	34.9	32.6	49.2	S	S	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	17.5	17.0	21.0	44.5	18.1	17.6	14.4	12.2	12.3	12.9	21.8	22.0
Less than 50 lb	48.8	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	47.1	47.6	48.8	42.8	46.2	44.0	S	43.9	42.4	43.3	44.9	45.5
10,000 to 49,999 lb	21.3	23.0	23.5	S	25.5	25.3	17.5	15.0	15.1	21.0	19.2	19.0
50,000 to 99,999 lb	38.6	35.6	42.0	S	34.0	34.7	36.3	23.9	25.5	S	S	S
100,000 lb or more	16.6	17.3	21.3	18.9	18.9	19.1	21.7	14.6	14.5	20.6	26.8	26.2

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	35.3	30.5	32.0	31.6	30.4	31.6	42.7	50.0	S	S	33.8	33.9
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	45.3	31.4	29.4	30.3	23.1	24.6	33.4	S	S	S	36.5	35.0
50,000 to 99,999 lb	42.1	46.3	44.0	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	41.8	43.8	S	47.6	47.3	S	49.2	S	S	S	S
SCTG 15, Coal	17.4	18.4	18.1	14.1	15.2	14.3	26.4	26.1	27.7	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	48.3	48.1	47.3	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	17.5	18.4	18.1	14.1	15.2	14.3	26.4	26.1	27.7	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	21.2	25.0	25.2	35.3	34.2	38.7	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	34.6	47.1	44.5	S	48.3	47.8	—	—	—	—	—	—
10,000 to 49,999 lb	36.2	37.8	36.1	45.2	43.2	49.5	S	S	S	S	S	S
50,000 to 99,999 lb	23.8	28.2	27.5	37.4	36.0	42.0	S	S	S	—	—	—
100,000 lb or more	S	49.3	49.3	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	26.5	24.7	24.7	42.8	43.1	49.9	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	27.4	27.8	28.2	45.9	46.6	45.9	—	—	—	S	S	S
50,000 to 99,999 lb	25.9	25.3	26.2	40.8	40.6	45.9	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	23.8	33.9	31.7	19.2	42.8	S	19.6	30.0	32.2	38.3	S	S
Less than 50 lb	36.9	35.4	32.9	33.2	42.7	41.6	39.1	37.8	37.3	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	25.4	31.5	28.3	35.1	31.8	33.5	S	40.9	40.7	42.0	43.2	43.4
500 to 749 lb	S	46.9	43.8	S	S	S	S	S	S	S	S	S
750 to 999 lb	38.0	46.3	42.4	42.1	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	32.5	41.3	38.2	47.2	27.4	27.9	45.0	43.2	43.9	46.8	S	S
10,000 to 49,999 lb	28.6	30.3	32.1	23.4	24.3	24.3	28.9	29.3	29.5	S	S	S
50,000 to 99,999 lb	38.5	46.4	47.3	39.5	45.4	45.2	—	—	—	—	—	—
100,000 lb or more	S	S	S	33.9	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	11.0	15.7	15.5	17.4	19.5	20.9	10.5	12.3	12.3	15.3	20.7	24.6
Less than 50 lb	37.9	28.4	30.1	27.8	37.5	37.4	27.2	47.1	46.8	39.9	38.3	38.2
50 to 99 lb	32.3	31.6	31.8	38.7	S	S	30.3	25.3	25.3	S	S	S
100 to 499 lb	24.8	27.9	28.4	28.7	26.6	25.1	28.2	22.7	22.4	31.6	25.7	26.4
500 to 749 lb	29.2	17.2	18.7	S	S	S	46.2	24.0	24.3	45.2	S	S
750 to 999 lb	19.2	17.6	19.2	31.1	42.9	45.1	28.7	29.3	29.2	45.3	47.2	46.5
1,000 to 9,999 lb	16.5	17.5	16.1	33.9	21.0	17.0	18.0	24.6	23.7	22.1	29.8	29.8
10,000 to 49,999 lb	15.7	21.9	22.6	14.0	22.1	22.9	11.3	14.5	14.6	19.0	21.5	21.3
50,000 to 99,999 lb	27.6	28.4	35.3	40.5	42.1	42.9	S	47.9	S	45.1	S	S
100,000 lb or more	28.7	22.5	19.7	26.2	23.9	25.2	23.4	18.3	18.1	32.3	35.9	40.2
SCTG 21, Pharmaceutical products	15.9	14.6	14.5	16.5	37.6	38.9	17.2	47.7	46.9	19.3	49.5	49.2
Less than 50 lb	12.9	12.7	12.7	14.3	15.7	15.4	22.8	21.8	22.0	24.0	20.3	20.4
50 to 99 lb	24.6	20.6	20.0	22.6	24.3	22.6	34.2	25.0	26.6	42.7	37.3	35.7
100 to 499 lb	23.9	18.6	20.3	27.8	17.7	19.2	20.3	18.6	18.6	S	32.2	32.0
500 to 749 lb	S	33.5	35.9	49.1	26.8	25.4	31.2	37.7	38.9	45.4	S	S
750 to 999 lb	39.6	38.2	36.8	34.4	43.2	45.4	S	47.8	44.7	S	S	S
1,000 to 9,999 lb	42.7	30.4	27.7	31.5	18.8	19.8	31.1	40.8	40.1	33.4	28.1	28.3
10,000 to 49,999 lb	18.2	17.5	18.2	25.8	42.3	43.3	30.4	S	S	42.8	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	18.3	15.4	17.1	17.8	17.0	17.1	25.2	21.7	22.2	24.7	27.0	26.7
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	S	S	S
100 to 499 lb	31.2	33.6	32.2	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	47.3	47.7	S	S	S	S	S	S	S	S	S
750 to 999 lb	43.7	42.6	48.8	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	47.9	40.3	40.2	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	19.9	15.0	14.5	26.2	21.4	20.3	37.6	37.8	37.7	41.8	35.5	34.8
50,000 to 99,999 lb	18.3	17.7	20.3	25.8	23.2	23.1	S	47.1	47.3	S	S	S
100,000 lb or more	S	47.0	48.3	22.1	22.0	21.3	27.6	23.4	23.8	26.4	27.8	27.4
SCTG 23, Chemical products and preparations, n.e.c.	8.5	15.9	17.6	9.3	12.4	12.5	10.6	10.3	10.6	8.4	16.5	17.2
Less than 50 lb	25.5	25.3	26.5	31.5	27.2	26.8	16.0	20.5	19.9	29.6	21.1	20.7
50 to 99 lb	27.3	17.9	18.7	31.4	30.8	31.2	34.3	35.0	34.5	44.9	34.4	31.1
100 to 499 lb	19.9	14.5	15.6	17.1	16.3	16.2	21.7	16.5	16.8	29.2	12.8	12.8
500 to 749 lb	28.4	34.6	38.6	34.8	20.3	20.8	37.2	21.8	21.5	30.4	26.3	27.0
750 to 999 lb	25.7	25.4	27.1	36.3	32.9	30.8	45.1	22.1	21.9	24.4	31.7	30.5
1,000 to 9,999 lb	11.1	16.9	16.6	19.7	10.1	10.0	28.6	17.5	17.4	18.1	14.8	15.1
10,000 to 49,999 lb	15.3	19.9	22.0	9.9	14.5	14.4	11.1	9.9	10.0	12.6	15.6	15.8
50,000 to 99,999 lb	46.5	47.5	42.3	42.0	35.7	36.9	S	S	S	S	S	S
100,000 lb or more	46.9	23.6	22.7	31.4	33.6	34.1	40.2	32.7	33.3	32.9	35.9	36.9
SCTG 24, Plastics and rubber	6.0	8.3	8.9	9.1	10.3	10.9	8.9	10.2	10.4	10.7	15.8	16.0
Less than 50 lb	12.7	17.5	17.8	13.0	16.3	16.1	17.1	17.1	17.1	14.1	19.2	19.5
50 to 99 lb	15.6	14.0	13.0	24.0	9.2	8.9	22.7	19.4	20.2	21.9	18.6	19.3
100 to 499 lb	13.6	15.2	13.2	13.6	9.8	10.1	18.7	23.1	23.1	10.3	14.1	14.1
500 to 749 lb	19.4	30.1	25.7	18.8	13.9	13.8	17.4	15.8	15.8	44.0	41.7	40.9
750 to 999 lb	13.3	10.4	10.2	12.8	9.6	9.6	17.6	16.1	15.9	23.5	15.3	15.2
1,000 to 9,999 lb	10.4	10.9	9.0	17.0	9.3	10.3	11.0	11.9	11.9	12.6	10.7	10.7
10,000 to 49,999 lb	8.5	11.8	12.7	12.0	13.0	13.4	13.3	12.2	12.5	14.5	14.6	14.5
50,000 to 99,999 lb	47.6	S	S	S	44.5	44.9	47.9	41.4	40.6	S	S	S
100,000 lb or more	38.9	45.5	41.9	49.3	32.1	32.2	39.3	35.1	35.0	S	47.7	46.1
SCTG 25, Logs and other wood in the rough	24.5	40.2	37.8	27.1	S	S	28.4	34.5	35.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	39.2	40.9	S	47.3	48.5	S	S	S
10,000 to 49,999 lb	21.0	S	S	25.1	25.7	23.7	21.0	46.6	48.7	48.0	S	S
50,000 to 99,999 lb	40.4	37.0	39.4	48.1	48.3	46.7	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	40.0	S	S	S	S	S
SCTG 26, Wood products	7.3	10.7	11.5	14.2	14.1	14.3	19.2	19.1	17.7	10.3	12.0	12.2
Less than 50 lb	29.5	21.8	22.8	35.2	39.2	39.7	40.0	38.5	40.4	33.0	33.4	33.1
50 to 99 lb	29.8	27.0	30.9	28.4	43.9	41.5	S	S	S	S	S	S
100 to 499 lb	22.0	19.7	21.4	31.6	42.0	41.6	37.2	31.4	31.4	40.2	30.5	30.6
500 to 749 lb	15.9	18.0	17.5	21.1	24.8	22.9	S	39.9	39.2	46.4	46.8	S
750 to 999 lb	40.7	43.2	43.2	38.7	35.3	34.2	44.7	31.2	32.4	49.1	38.9	40.0
1,000 to 9,999 lb	16.5	15.2	15.5	20.4	16.8	16.9	25.2	27.5	27.9	31.7	20.0	20.9
10,000 to 49,999 lb	8.6	9.1	8.2	19.5	18.0	18.5	30.7	30.1	28.9	11.6	16.3	16.8
50,000 to 99,999 lb	11.9	13.9	12.9	11.3	10.9	11.2	22.3	20.5	21.2	34.3	36.5	39.9
100,000 lb or more	16.9	30.7	36.1	12.4	11.2	11.3	13.7	12.1	11.8	23.7	21.7	21.7
SCTG 27, Pulp, newsprint, paper, and paperboard	12.4	10.3	10.3	9.0	9.4	9.7	7.8	8.6	8.7	12.4	11.7	11.9
Less than 50 lb	30.8	25.6	22.8	35.4	29.4	26.6	S	38.4	40.3	S	S	49.2
50 to 99 lb	33.0	32.0	26.0	49.1	43.0	45.5	47.2	36.1	32.9	S	47.7	49.0
100 to 499 lb	12.4	17.4	17.1	26.8	37.3	38.7	36.8	34.2	34.4	38.1	42.1	43.0
500 to 749 lb	24.8	19.8	21.2	43.9	22.9	24.1	25.9	43.3	45.1	46.7	S	S
750 to 999 lb	20.2	17.7	19.2	26.7	36.4	36.7	24.6	34.4	36.7	S	S	S
1,000 to 9,999 lb	13.8	12.1	13.0	18.9	14.4	14.4	27.1	22.4	22.0	40.7	27.0	28.1
10,000 to 49,999 lb	16.3	13.5	13.2	10.6	8.7	8.9	10.1	9.8	10.0	17.0	16.1	16.4
50,000 to 99,999 lb	29.1	30.3	32.0	32.7	26.0	29.1	S	39.0	38.3	S	38.3	38.8
100,000 lb or more	14.0	14.1	14.7	11.5	12.9	13.0	11.9	10.9	10.9	18.8	19.0	19.4
SCTG 28, Paper or paperboard articles	9.4	7.7	7.9	14.6	12.6	12.3	13.3	13.6	14.1	15.4	14.7	15.0
Less than 50 lb	23.0	17.4	15.8	19.7	22.2	24.3	20.7	18.3	18.3	32.6	32.2	32.0
50 to 99 lb	21.4	18.2	19.2	33.9	25.6	24.2	S	S	S	S	38.5	38.7
100 to 499 lb	18.2	15.1	14.7	32.5	31.2	29.0	19.6	21.7	21.3	39.4	31.1	30.6
500 to 749 lb	23.3	30.4	36.5	S	S	S	33.1	34.2	35.2	41.7	40.1	40.5
750 to 999 lb	33.7	26.0	26.4	44.7	30.6	29.5	25.4	21.9	23.1	47.1	34.0	34.7
1,000 to 9,999 lb	12.7	16.5	16.7	15.1	15.5	14.7	17.1	21.0	21.3	23.9	24.8	24.8
10,000 to 49,999 lb	11.6	8.2	8.4	17.2	15.9	15.5	13.6	12.2	12.5	16.9	13.2	13.4
50,000 to 99,999 lb	S	47.4	44.5	S	42.2	40.8	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	45.3	45.2	S	44.6	43.2	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	5.3	13.0	14.4	8.8	19.5	18.8	10.9	29.1	28.0	13.4	15.3	15.4
Less than 50 lb	14.0	13.8	14.0	16.6	17.1	15.9	16.5	14.3	14.2	19.6	22.3	22.1
50 to 99 lb	19.4	17.7	18.1	30.7	18.5	23.6	29.4	20.5	20.3	29.1	17.5	17.9
100 to 499 lb	24.9	14.6	14.7	29.8	19.4	18.7	19.1	19.3	20.1	16.8	14.9	15.2
500 to 749 lb	21.8	25.5	23.8	14.0	13.1	12.8	S	32.6	30.5	33.2	30.5	30.5
750 to 999 lb	22.7	22.5	25.2	28.7	18.1	18.4	24.2	21.3	20.6	S	35.0	34.5
1,000 to 9,999 lb	15.9	23.9	27.9	16.7	22.4	20.0	19.8	16.1	16.2	31.2	16.8	16.4
10,000 to 49,999 lb	13.4	14.4	14.1	17.0	22.4	22.2	25.0	39.1	37.8	30.6	29.4	29.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	18.7	5.5	5.4	6.1	7.4	7.4	8.4	11.9	11.8	6.5	9.4	9.5
Less than 50 lb	11.0	9.5	9.9	10.3	9.1	9.4	8.9	8.6	8.6	10.4	6.2	6.2
50 to 99 lb	13.4	11.3	12.0	18.4	13.2	12.9	14.9	11.1	11.4	11.5	10.4	10.3
100 to 499 lb	6.9	8.3	8.0	6.5	8.1	8.4	7.8	8.6	8.6	10.7	10.2	10.2
500 to 749 lb	14.0	13.3	14.3	16.1	13.0	12.7	12.0	20.8	20.8	14.9	20.7	20.6
750 to 999 lb	24.0	12.8	12.0	20.6	12.3	12.5	26.1	16.9	16.6	32.6	25.4	25.4
1,000 to 9,999 lb	48.7	11.7	10.6	11.2	11.7	11.9	12.9	11.6	11.4	12.7	14.0	14.2
10,000 to 49,999 lb	5.9	6.6	6.3	8.4	8.4	8.5	12.7	16.6	16.6	13.8	12.5	12.5
50,000 to 99,999 lb	29.2	32.0	34.9	S	S	S	44.1	39.7	41.5	S	S	S
100,000 lb or more	48.9	37.3	38.0	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	16.4	8.2	7.2	9.6	9.5	9.9	11.9	11.6	10.6	12.5	13.8	14.0
Less than 50 lb	18.3	11.4	12.0	30.9	18.6	19.3	24.8	19.0	18.7	20.3	27.3	27.1
50 to 99 lb	30.8	20.8	22.6	31.1	26.1	26.7	24.0	22.4	22.6	S	31.0	30.6
100 to 499 lb	24.3	19.1	19.4	32.6	24.3	23.9	32.9	30.2	32.6	48.0	40.2	40.0
500 to 749 lb	35.1	29.1	33.0	26.0	19.9	21.6	46.0	42.4	41.8	32.6	49.0	49.9
750 to 999 lb	33.7	34.2	35.5	38.8	31.7	30.1	24.3	21.7	22.3	S	S	S
1,000 to 9,999 lb	45.0	16.0	19.4	28.6	8.1	8.2	34.5	16.2	16.0	17.3	25.4	25.0
10,000 to 49,999 lb	9.4	10.3	9.9	10.0	11.5	12.0	8.7	12.3	12.6	12.3	15.0	15.0
50,000 to 99,999 lb	17.3	20.8	18.6	17.7	17.3	16.4	39.9	23.2	25.3	34.3	42.3	42.1
100,000 lb or more	22.9	22.5	22.0	41.2	24.0	25.2	26.1	35.5	30.3	37.1	36.7	37.0
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	8.5	20.7	19.5	9.3	12.4	13.4	9.2	17.6	17.4	14.2	23.2	27.2
Less than 50 lb	45.0	15.2	14.4	26.1	16.0	16.9	40.0	36.7	36.7	41.7	41.0	41.9
50 to 99 lb	19.1	23.5	25.4	27.0	16.1	17.2	32.9	42.9	39.0	S	S	S
100 to 499 lb	23.0	15.3	16.8	14.9	12.8	13.2	18.2	16.6	16.7	21.6	21.3	22.3
500 to 749 lb	16.3	14.4	16.2	27.9	22.2	21.2	20.4	17.6	17.6	S	32.5	34.2
750 to 999 lb	14.8	18.8	20.4	46.2	21.0	20.4	23.5	19.8	18.4	26.2	35.6	38.6
1,000 to 9,999 lb	15.4	14.8	14.4	13.8	10.6	11.1	16.0	18.7	18.0	14.5	40.7	41.7
10,000 to 49,999 lb	9.2	9.0	9.4	10.0	11.7	12.5	10.6	10.2	11.2	15.8	15.3	15.2
50,000 to 99,999 lb	31.9	34.7	37.5	38.8	31.1	30.2	47.4	S	S	S	S	S
100,000 lb or more	49.4	S	S	25.5	30.4	32.8	25.9	36.1	34.9	S	S	S
SCTG 33, Articles of base metal	5.9	7.6	6.8	7.5	9.4	9.4	9.4	12.6	12.4	9.4	12.1	12.1
Less than 50 lb	19.0	20.5	21.4	26.1	22.4	21.2	17.6	19.4	18.8	18.0	15.8	15.5
50 to 99 lb	23.1	20.2	17.7	21.4	14.9	15.6	23.9	13.2	13.5	23.8	24.0	24.7
100 to 499 lb	15.2	10.7	10.5	13.6	8.0	7.8	13.0	11.4	10.9	20.3	14.1	14.3
500 to 749 lb	16.6	14.6	14.8	18.9	15.7	14.8	19.8	18.6	18.2	39.4	23.2	23.0
750 to 999 lb	17.0	12.4	12.5	17.6	14.6	13.8	37.4	21.3	21.6	44.3	34.8	35.5
1,000 to 9,999 lb	9.5	9.2	9.0	9.6	10.3	10.5	19.2	16.1	17.1	21.7	14.4	14.0
10,000 to 49,999 lb	9.4	8.6	8.2	9.6	11.8	11.9	9.6	12.7	11.8	19.7	16.2	16.5
50,000 to 99,999 lb	25.5	40.6	35.0	42.8	24.8	23.0	S	48.8	49.4	S	S	S
100,000 lb or more	49.1	S	47.1	S	48.0	S	S	S	S	S	S	S
SCTG 34, Machinery	12.5	9.4	10.7	10.8	8.0	8.3	5.7	9.5	9.4	8.6	9.8	9.7
Less than 50 lb	12.3	19.6	19.5	11.3	16.0	14.5	14.8	20.9	18.3	15.0	23.8	22.6
50 to 99 lb	27.1	38.2	39.6	16.5	34.8	31.0	17.4	28.9	24.9	19.1	44.1	40.9
100 to 499 lb	8.8	17.6	18.3	16.1	15.9	13.9	12.0	10.4	10.0	12.8	9.8	9.7
500 to 749 lb	26.8	12.8	12.0	31.5	25.4	23.6	43.7	20.8	22.0	23.7	10.8	11.1
750 to 999 lb	19.8	23.9	21.2	25.4	11.8	12.8	19.9	20.3	20.5	34.2	18.3	18.2
1,000 to 9,999 lb	11.8	12.4	14.8	26.8	7.8	7.4	6.9	8.9	8.8	12.9	12.9	12.5
10,000 to 49,999 lb	14.5	12.2	13.4	11.5	10.8	10.8	12.1	15.1	15.1	16.5	13.0	12.9
50,000 to 99,999 lb	S	S	S	30.1	29.6	29.8	26.1	32.9	33.0	34.3	32.8	33.4
100,000 lb or more	S	S	S	43.8	49.9	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	8.0	12.9	13.9	39.3	13.3	13.7	15.4	21.1	20.9	11.1	16.1	16.6
Less than 50 lb	9.7	9.2	9.5	12.2	11.0	11.4	13.8	10.8	10.7	10.4	13.3	12.9
50 to 99 lb	21.5	17.5	19.6	13.0	20.3	16.9	14.3	9.2	9.5	16.0	19.1	18.7
100 to 499 lb	16.6	17.6	18.7	14.0	16.0	16.1	14.7	11.3	11.0	14.9	12.3	12.3
500 to 749 lb	20.4	16.7	15.4	14.0	15.6	16.4	31.5	17.9	17.7	22.1	17.3	17.6
750 to 999 lb	25.2	18.1	19.6	41.2	30.6	31.4	36.5	21.1	20.5	S	45.9	46.9
1,000 to 9,999 lb	23.3	18.3	17.6	S	25.7	26.2	39.4	21.5	22.3	24.9	16.2	17.4
10,000 to 49,999 lb	22.6	17.6	18.8	12.9	14.1	14.6	19.5	30.0	29.9	45.2	25.3	27.2
50,000 to 99,999 lb	49.4	S	S	34.7	33.3	33.9	47.7	47.9	46.1	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	49.9	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	9.2	8.9	10.6	7.9	9.9	10.8	16.3	13.3	13.6	11.9	16.6	16.3
Less than 50 lb	16.8	9.5	10.3	14.5	12.4	12.2	20.1	18.6	18.1	21.5	17.4	17.6
50 to 99 lb	19.9	18.9	23.5	20.1	20.3	19.4	26.8	22.2	22.4	28.7	21.8	22.1
100 to 499 lb	16.5	17.3	17.2	27.0	16.1	16.2	28.5	24.8	24.7	23.6	35.5	39.3
500 to 749 lb	S	29.0	24.7	23.4	23.1	23.7	46.8	29.4	30.5	30.5	39.0	37.4
750 to 999 lb	28.2	46.0	49.6	34.1	24.4	25.5	28.4	38.0	37.8	49.0	S	S
1,000 to 9,999 lb	17.8	16.8	17.2	18.1	16.6	16.8	18.7	19.5	19.7	18.7	15.1	15.4
10,000 to 49,999 lb	16.9	15.7	18.9	11.5	9.4	9.7	25.0	18.4	18.6	19.5	18.9	18.9
50,000 to 99,999 lb	S	45.7	44.6	S	39.1	40.3	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	42.3	43.2	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	S	30.1	29.8	11.8	32.8	37.4	20.0	36.8	37.1	24.9	27.7	30.1
Less than 50 lb	S	27.2	26.5	26.4	34.9	33.2	28.1	30.9	29.7	31.8	21.2	21.1
50 to 99 lb	38.3	S	S	47.9	36.0	34.9	S	28.5	29.3	49.4	26.1	26.3
100 to 499 lb	22.6	40.7	40.5	39.8	27.4	26.0	45.3	42.3	44.1	47.1	28.5	28.3
500 to 749 lb	48.0	S	S	38.6	47.7	44.7	37.4	32.7	31.0	48.1	42.6	42.5
750 to 999 lb	49.6	S	S	38.9	40.3	42.2	43.1	S	S	47.2	40.8	40.7
1,000 to 9,999 lb	S	39.2	31.5	30.8	24.6	24.6	22.5	25.2	25.6	28.6	32.4	33.2
10,000 to 49,999 lb	36.8	40.2	42.6	24.7	37.4	37.1	32.0	30.3	31.0	21.5	20.8	21.3
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	49.5	49.8	49.4	S	S	S
SCTG 38, Precision instruments and apparatus	14.6	28.8	25.0	10.7	35.9	26.2	12.1	41.3	40.0	24.6	23.7	23.2
Less than 50 lb	13.6	22.4	20.7	13.6	15.7	15.6	17.8	18.8	18.7	23.2	19.3	19.0
50 to 99 lb	25.6	S	S	20.0	17.4	18.2	20.4	30.4	31.7	S	S	S
100 to 499 lb	22.5	21.6	22.7	22.0	24.9	26.6	22.5	30.1	31.6	25.8	23.4	23.4
500 to 749 lb	34.6	40.5	43.4	36.2	44.8	46.7	37.7	24.7	25.3	26.5	27.7	29.4
750 to 999 lb	42.7	44.6	43.3	40.6	39.9	37.4	41.0	S	S	S	S	S
1,000 to 9,999 lb	43.0	42.8	38.8	25.0	23.1	22.1	S	49.2	49.6	S	46.7	46.2
10,000 to 49,999 lb	49.6	S	S	43.4	35.7	37.0	S	S	S	41.1	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	9.2	10.6	10.2	9.0	14.2	15.5	5.9	7.6	7.2	9.6	11.8	11.5
Less than 50 lb	18.4	15.5	14.4	19.7	18.7	18.1	20.0	20.7	19.9	18.9	28.3	28.6
50 to 99 lb	10.0	13.2	14.2	8.9	9.7	9.9	10.2	11.1	11.3	19.9	17.2	17.4
100 to 499 lb	12.4	13.9	13.5	7.8	6.4	5.8	6.2	4.0	3.8	8.6	9.3	9.5
500 to 749 lb	16.4	19.6	20.5	12.1	13.1	12.0	10.8	10.3	10.6	15.0	15.1	15.0
750 to 999 lb	24.3	26.5	26.0	15.6	16.9	16.2	13.8	15.1	15.2	15.8	23.2	21.5
1,000 to 9,999 lb	14.1	16.9	16.0	15.7	18.5	17.7	9.4	10.2	10.0	11.3	11.1	11.7
10,000 to 49,999 lb	15.7	15.1	14.4	12.2	25.3	30.2	14.0	15.0	14.2	32.2	27.2	26.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products ...	33.4	17.5	16.7	9.4	14.7	16.3	6.3	13.4	13.3	8.4	25.7	24.8
Less than 50 lb	11.5	12.5	13.0	9.5	15.8	15.1	12.0	9.4	9.5	13.0	11.0	10.9
50 to 99 lb	12.4	17.4	14.6	15.9	21.0	22.8	13.6	15.0	14.7	19.2	26.6	25.3
100 to 499 lb	8.5	12.1	13.1	14.5	12.0	11.1	12.5	11.5	11.1	15.3	14.9	14.7
500 to 749 lb	13.5	11.3	11.7	31.3	13.2	12.7	13.5	12.8	13.2	28.7	25.2	24.4
750 to 999 lb	18.1	16.1	15.8	18.0	16.4	14.6	14.7	15.2	14.3	25.9	27.9	27.4
1,000 to 9,999 lb	17.9	19.8	19.5	13.0	12.2	11.5	12.8	14.1	14.0	10.2	9.8	9.9
10,000 to 49,999 lb	S	18.0	18.6	15.5	15.7	16.4	15.3	21.2	20.6	25.1	44.1	42.9
50,000 to 99,999 lb	31.3	36.5	32.4	48.8	29.5	30.0	S	47.2	47.4	S	45.6	45.1
100,000 lb or more	42.1	35.6	39.9	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	14.9	15.0	15.8	16.6	28.8	26.0	21.0	28.8	27.2	29.6	26.4	26.3
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	13.8	19.0	18.5	18.3	37.8	34.9	22.2	35.2	30.8	26.2	28.7	28.4
50,000 to 99,999 lb	42.0	36.1	35.9	S	S	S	S	S	S	S	S	S
100,000 lb or more	25.5	23.1	23.2	20.7	19.7	20.5	S	48.0	S	S	39.8	40.6
SCTG 43, Mixed freight	27.0	19.9	19.0	S	22.8	24.3	26.5	31.8	32.1	44.0	40.1	40.0
Less than 50 lb	44.9	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	39.2	47.5	46.1	S	S	S	S	S	S	S	S	S
100 to 499 lb	20.3	22.0	24.1	S	S	S	31.8	33.5	37.5	S	S	S
500 to 749 lb	22.0	28.5	27.7	38.5	47.5	50.0	43.8	39.9	41.8	S	S	S
750 to 999 lb	17.8	23.0	24.9	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	13.7	13.2	13.2	32.1	36.7	37.2	37.2	40.2	40.1	48.2	49.8	S
10,000 to 49,999 lb	36.5	26.6	25.3	S	32.7	34.2	35.6	36.6	36.9	S	45.4	45.9
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	31.7	24.4	24.6	27.4	26.9	26.3	20.8	21.5	21.5	32.3	S	S
Less than 50 lb	28.9	25.7	24.6	35.2	24.6	25.1	27.8	38.7	41.1	31.6	33.3	34.1
50 to 99 lb	S	33.5	30.5	45.4	31.8	28.6	S	43.9	46.5	S	S	S
100 to 499 lb	45.0	31.8	37.3	S	S	S	25.5	30.6	31.9	42.5	29.7	29.0
500 to 749 lb	S	S	49.8	25.3	35.4	32.8	38.4	38.7	35.1	47.0	48.5	48.1
750 to 999 lb	42.1	40.8	42.1	S	45.9	S	41.1	40.5	40.2	S	S	S
1,000 to 9,999 lb	32.6	41.9	40.8	27.4	38.2	35.8	26.2	33.0	32.3	S	33.8	35.0
10,000 to 49,999 lb	46.3	33.3	33.3	43.2	37.6	36.7	38.9	26.9	26.5	37.7	36.7	37.7
50,000 to 99,999 lb	41.2	44.2	43.7	S	44.0	45.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	5.4	8.6	8.9	12.4	10.0	10.5	5.7	4.3	4.5
Less than 50 lb	9.0	6.3	6.3	8.6	5.6	5.5	5.4	5.0	5.1
50 to 99 lb	10.9	8.0	8.1	27.6	10.4	10.2	16.1	5.5	5.5
100 to 499 lb	7.3	13.7	14.6	28.6	8.6	9.0	6.2	5.4	5.3
500 to 749 lb	15.0	14.1	14.7	19.4	17.5	15.5	12.1	8.9	8.9
750 to 999 lb	13.2	8.9	9.4	17.6	12.7	12.9	16.0	7.8	8.0
1,000 to 9,999 lb	9.6	10.8	10.4	15.9	8.3	8.5	12.5	7.8	7.7
10,000 to 49,999 lb	10.4	7.8	7.3	20.4	14.4	14.8	9.5	7.2	7.3
50,000 to 99,999 lb	S	48.0	46.8	40.1	26.4	27.1	S	15.5	15.2
100,000 lb or more	13.7	14.0	14.6	29.1	31.2	31.5	34.8	14.3	14.6
SCTG 01, Live animals and live fish	43.2	41.7	41.4	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	47.1	45.9	45.9	S	S	S	—	—	—
100,000 lb or more	49.8	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 03, Other agricultural products	20.6	38.2	38.1	20.7	48.7	S	42.7	28.0	28.1
Less than 50 lb	41.4	47.4	47.0	49.5	S	S	S	S	S
50 to 99 lb	23.0	17.9	18.0	43.3	37.4	36.8	44.0	46.4	47.0
100 to 499 lb	16.2	12.7	12.9	26.6	35.1	37.5	26.6	25.8	26.2
500 to 749 lb	19.9	22.3	22.8	S	S	S	S	S	S
750 to 999 lb	23.6	33.4	33.9	—	—	—	S	48.3	48.0
1,000 to 9,999 lb	24.6	35.9	35.5	S	S	S	33.0	46.6	44.3
10,000 to 49,999 lb	31.9	35.6	35.6	39.8	46.5	47.7	35.4	37.0	37.6
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	41.9	36.5	36.8	S	S	S	S	38.3	38.9
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	38.4	40.3	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	48.8	49.4	48.1	—	—	—	40.1	S	S
SCTG 05, Meat, fish, seafood, and their preparations	39.1	S	S	24.8	21.1	19.7	19.4	21.7	21.9
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	45.5	47.9	46.7	S	S	S	S	S	S
750 to 999 lb	45.4	44.6	44.9	43.8	49.3	S	S	S	S
1,000 to 9,999 lb	35.9	35.8	32.9	S	27.1	27.5	23.9	21.7	22.0
10,000 to 49,999 lb	S	S	S	24.5	28.2	26.6	22.3	20.8	20.6
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	39.4	37.3	36.0	32.5	29.8	30.2	26.7	28.4	28.8
Less than 50 lb	47.7	45.6	46.9	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	33.7	28.4	28.8	S	S	S	25.9	25.0	24.6
10,000 to 49,999 lb	46.9	40.6	39.2	38.3	34.8	35.2	28.2	30.0	30.3
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	20.7	31.3	29.5	19.9	21.6	21.3	13.3	15.6	16.1
Less than 50 lb	49.5	S	S	S	43.2	44.0	50.0	41.6	40.0
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	23.4	23.3	24.5	36.5	35.3	35.1	33.8	S	S
10,000 to 49,999 lb	16.1	22.0	21.8	22.4	22.5	22.2	14.3	17.3	17.8
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	48.7	—	—	—	—	—	—
SCTG 08, Alcoholic beverages	S	S	S	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	49.3	48.7	S	S	S	S	39.2	44.2	45.0
Less than 50 lb	45.9	32.8	33.2	38.7	44.1	42.4	49.7	38.0	38.7
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	35.2	36.0	36.5	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	47.9	49.6	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	39.8	41.4	41.9
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 10, Monumental or building stone	S	47.0	45.6	S	S	S	43.0	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	46.0	45.9	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	S	S	S	S	S	S	47.0	48.0	47.6
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	46.1	47.1	46.7
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	20.5	25.1	25.0	29.0	40.2	38.3	28.2	36.4	37.4
Less than 50 lb	—	—	—	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	23.8	25.6	25.5	31.6	37.9	38.6	35.5	26.4	26.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	25.0	27.2	26.9	S	S	49.5	39.0	43.2	43.4

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	S	30.6	33.0	S	36.0	36.2	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	48.0	S	S
500 to 749 lb	46.8	46.1	46.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	45.6	42.6	42.8	S	37.8	38.2	46.2	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	42.6	35.4	37.5	—	—	—	—	—	—
SCTG 15, Coal	—	—	—	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	—	—	—	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	41.8	S	S	S	S	S	44.5	S	S
Less than 50 lb	47.8	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	43.6	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	43.7	44.3	S	S	S	44.0	49.4	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 20, Basic chemicals	17.8	22.1	22.7	29.3	37.5	39.7	23.4	36.3	36.4
Less than 50 lb	S	S	S	45.6	S	S	30.5	36.1	36.7
50 to 99 lb	S	S	S	S	S	S	46.8	46.6	47.6
100 to 499 lb	31.8	29.1	28.8	49.8	35.5	36.2	35.2	39.2	40.1
500 to 749 lb	S	49.7	49.3	S	S	S	S	42.0	42.5
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	29.7	29.1	28.7	S	35.6	35.1	22.7	19.7	19.6
10,000 to 49,999 lb	24.7	20.6	20.8	32.2	32.3	33.2	29.6	21.8	22.1
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	33.3	33.7	34.0	S	S	S	39.0	49.5	49.5
SCTG 21, Pharmaceutical products	28.9	49.6	S	29.1	39.5	39.1	19.4	S	S
Less than 50 lb	26.3	29.4	31.3	33.4	26.9	26.8	24.1	20.2	20.5
50 to 99 lb	S	S	S	S	S	S	S	36.6	37.0
100 to 499 lb	S	S	S	S	S	S	42.8	33.4	33.3
500 to 749 lb	S	S	S	S	S	S	S	49.0	49.7
750 to 999 lb	S	S	S	S	S	S	45.4	40.4	39.1
1,000 to 9,999 lb	47.0	S	S	S	34.9	34.7	43.4	40.8	40.4
10,000 to 49,999 lb	35.5	36.1	36.4	S	S	S	27.8	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	29.3	27.1	27.7	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	29.6	27.3	27.8	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	16.7	34.6	35.5	22.8	35.1	35.9	20.5	18.1	19.1
Less than 50 lb	29.3	28.2	28.1	S	48.3	48.3	S	S	S
50 to 99 lb	48.6	35.1	34.5	32.0	47.1	45.8	43.7	41.6	39.1
100 to 499 lb	47.1	24.9	24.0	S	32.8	32.4	20.7	21.1	21.1
500 to 749 lb	33.8	36.1	38.3	46.7	47.8	48.1	39.6	37.6	37.4
750 to 999 lb	21.5	26.0	25.9	S	S	S	39.0	33.7	33.5
1,000 to 9,999 lb	20.7	19.1	20.0	28.9	26.2	25.2	S	20.8	20.6
10,000 to 49,999 lb	25.5	23.4	23.4	27.0	26.9	26.5	13.9	17.5	18.7
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	7.1	13.3	14.1	10.9	13.5	13.9	15.6	23.1	23.0
Less than 50 lb	13.1	12.1	12.2	22.1	16.9	16.7	19.2	16.2	16.4
50 to 99 lb	19.8	16.1	17.3	30.8	28.7	29.7	31.8	23.4	25.0
100 to 499 lb	15.3	12.6	12.8	37.2	S	S	23.2	21.4	22.6
500 to 749 lb	S	48.1	48.3	41.3	48.8	49.7	35.9	34.2	32.7
750 to 999 lb	23.2	15.9	15.3	36.5	40.7	39.6	29.4	36.9	36.6
1,000 to 9,999 lb	14.7	13.0	13.0	15.4	14.7	15.0	10.2	11.5	12.1
10,000 to 49,999 lb	18.3	16.0	15.2	11.7	13.3	13.8	25.3	28.5	28.5
50,000 to 99,999 lb	S	S	S	—	—	—	42.5	40.9	43.0
100,000 lb or more	47.2	46.4	45.8	47.6	48.7	49.2	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 26, Wood products	16.5	16.7	16.9	23.3	27.9	27.3	16.8	12.4	12.3
Less than 50 lb	38.8	30.6	30.7	S	S	S	44.5	S	S
50 to 99 lb	48.4	41.8	42.7	S	S	S	S	S	S
100 to 499 lb	S	S	S	46.3	46.2	46.7	45.6	36.8	36.4
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	39.2	31.7	32.2	S	S	S	S	S	S
1,000 to 9,999 lb	47.8	34.6	35.0	S	46.0	46.4	48.7	32.6	31.6
10,000 to 49,999 lb	18.4	19.4	19.3	31.8	28.8	29.1	19.6	13.2	13.6
50,000 to 99,999 lb	45.7	S	49.5	41.4	40.4	39.9	24.4	28.9	29.4
100,000 lb or more	34.1	25.5	27.8	S	S	S	27.3	32.6	31.2
SCTG 27, Pulp, newsprint, paper, and paperboard	16.3	21.3	21.7	41.6	27.1	27.1	18.3	19.1	19.4
Less than 50 lb	S	S	S	S	S	S	36.7	38.7	37.9
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	47.6	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	49.3	49.0	S	S	S	41.3	34.8	34.6
10,000 to 49,999 lb	16.1	16.3	16.7	S	35.8	35.9	24.4	25.3	26.1
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	30.3	33.4	32.9	S	S	S	35.1	34.9	34.8
SCTG 28, Paper or paperboard articles	17.4	19.4	21.3	34.6	33.8	36.8	17.6	25.4	24.7
Less than 50 lb	35.9	27.2	27.8	31.3	32.6	31.5	40.1	42.6	41.8
50 to 99 lb	47.0	40.5	41.1	S	S	49.9	48.2	46.0	46.6
100 to 499 lb	34.9	32.6	33.5	S	S	S	S	44.7	44.5
500 to 749 lb	S	44.1	43.7	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	40.3	40.7
1,000 to 9,999 lb	25.3	22.5	22.0	43.1	36.2	36.1	36.3	46.7	47.8
10,000 to 49,999 lb	27.1	23.8	23.5	43.1	26.7	27.6	22.6	25.3	25.4
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	22.2	19.9	19.3	20.1	22.3	22.2	13.3	20.4	20.0
Less than 50 lb	35.6	29.1	28.8	22.7	25.1	25.3	23.4	25.0	24.8
50 to 99 lb	48.0	41.3	41.5	22.4	25.0	24.9	40.7	39.4	40.9
100 to 499 lb	46.7	29.5	29.7	49.2	S	S	35.8	S	S
500 to 749 lb	39.6	37.9	37.6	S	S	S	S	S	S
750 to 999 lb	29.2	40.5	39.1	S	S	S	38.9	36.4	35.9
1,000 to 9,999 lb	29.3	23.9	22.8	34.3	34.7	32.1	24.6	20.1	19.7
10,000 to 49,999 lb	45.2	32.0	31.8	41.1	33.2	33.5	33.7	31.1	30.7
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	14.3	13.7	13.7	19.2	29.7	31.6	7.9	13.1	13.9
Less than 50 lb	11.0	7.7	7.7	11.9	8.8	8.9	11.7	10.8	10.8
50 to 99 lb	14.8	17.0	17.1	17.1	18.9	18.4	16.4	16.3	16.0
100 to 499 lb	13.8	12.3	12.3	12.5	11.1	11.0	10.7	10.0	9.9
500 to 749 lb	13.6	18.0	17.7	36.0	25.9	25.2	17.3	18.1	18.4
750 to 999 lb	24.2	20.4	20.6	17.4	21.9	22.3	37.4	24.6	26.1
1,000 to 9,999 lb	23.5	19.3	20.1	34.2	17.4	17.5	13.4	8.7	8.8
10,000 to 49,999 lb	17.2	15.8	15.3	43.9	49.1	S	18.5	19.5	19.6
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	10.7	49.0	S	32.9	30.3	31.4	15.0	38.3	39.7
Less than 50 lb	29.6	37.3	36.6	32.3	28.3	27.5	26.6	28.4	25.9
50 to 99 lb	S	33.4	34.6	S	S	S	34.6	37.9	37.2
100 to 499 lb	29.3	24.2	23.5	42.3	29.3	29.4	42.0	30.8	31.0
500 to 749 lb	37.2	37.4	37.0	S	45.5	45.2	32.4	33.3	33.4
750 to 999 lb	49.7	44.8	47.0	S	S	S	S	47.4	48.5
1,000 to 9,999 lb	20.9	24.7	25.2	S	27.3	27.4	29.9	27.6	28.0
10,000 to 49,999 lb	13.8	43.1	42.0	31.6	33.5	34.8	19.8	18.7	19.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	32.0	34.0	34.1	24.8	24.7	25.0	13.7	25.3	26.7
Less than 50 lb	31.1	35.4	35.7	S	S	S	40.8	31.9	31.4
50 to 99 lb	49.1	23.9	24.6	S	S	S	44.5	S	S
100 to 499 lb	29.9	30.4	30.9	44.6	S	S	31.2	34.9	35.7
500 to 749 lb	42.5	32.4	35.0	44.3	44.4	45.1	S	42.0	41.8
750 to 999 lb	S	48.6	48.4	S	S	S	S	S	S
1,000 to 9,999 lb	47.3	S	S	38.2	34.0	34.3	16.2	48.4	48.4
10,000 to 49,999 lb	21.3	24.1	24.1	29.5	29.9	30.6	19.0	33.5	38.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	49.4	S	S
SCTG 33, Articles of base metal	12.5	18.5	18.1	17.2	22.5	30.1	13.8	35.7	35.1
Less than 50 lb	29.0	21.6	21.5	34.3	19.4	19.4	28.6	20.7	19.9
50 to 99 lb	26.2	30.0	29.8	34.5	33.0	34.6	34.6	32.8	32.1
100 to 499 lb	17.9	17.9	21.8	32.5	17.4	17.8	24.3	19.8	20.5
500 to 749 lb	21.3	19.1	19.3	S	41.0	40.4	25.5	26.5	25.9
750 to 999 lb	42.8	44.2	40.9	S	S	S	39.8	28.9	29.6
1,000 to 9,999 lb	24.4	35.6	35.6	29.9	36.3	37.1	19.4	26.1	25.7
10,000 to 49,999 lb	29.1	20.2	19.2	32.4	29.0	29.8	19.9	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 34, Machinery	23.1	18.8	18.4	19.7	26.4	26.9	22.0	14.2	13.8
Less than 50 lb	15.2	13.2	13.3	20.2	18.1	17.6	14.4	10.3	10.4
50 to 99 lb	25.9	23.0	23.3	38.5	28.4	28.9	23.4	25.0	25.5
100 to 499 lb	16.8	19.5	18.8	21.1	16.0	16.0	10.6	11.2	10.8
500 to 749 lb	27.1	25.2	25.2	27.1	27.4	27.0	S	23.2	23.4
750 to 999 lb	25.6	31.6	31.4	40.0	27.5	26.8	26.7	26.3	26.7
1,000 to 9,999 lb	21.1	21.1	20.0	30.1	20.3	21.4	18.6	20.7	20.3
10,000 to 49,999 lb	22.5	26.9	26.3	38.8	41.9	42.3	18.3	18.8	18.9
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	16.4	13.8	13.8	26.8	44.4	41.8	9.3	8.3	8.9
Less than 50 lb	16.7	15.1	14.8	14.6	14.9	15.0	11.4	18.6	18.5
50 to 99 lb	21.7	18.2	17.8	S	38.0	37.7	27.0	13.9	14.2
100 to 499 lb	16.0	12.4	12.6	S	19.7	19.8	18.9	23.3	22.6
500 to 749 lb	42.4	23.4	23.0	33.7	38.0	37.7	31.3	21.5	21.0
750 to 999 lb	41.2	23.4	23.2	S	S	S	31.8	20.8	20.8
1,000 to 9,999 lb	31.9	19.1	18.2	27.0	24.2	23.3	31.9	15.8	15.9
10,000 to 49,999 lb	S	22.4	22.6	47.7	S	S	22.6	17.0	18.9
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	29.7	15.2	15.8	21.3	18.6	18.3	24.1	23.9	23.4
Less than 50 lb	24.0	23.5	23.0	29.1	27.3	26.5	25.0	20.4	19.3
50 to 99 lb	20.3	28.1	26.8	S	49.4	48.9	33.5	27.3	26.7
100 to 499 lb	S	26.2	24.9	33.6	35.5	36.1	S	34.0	33.2
500 to 749 lb	S	S	47.2	S	S	S	39.8	35.6	35.4
750 to 999 lb	41.1	37.8	37.7	S	S	S	26.7	24.3	24.4
1,000 to 9,999 lb	29.7	24.4	23.3	38.7	23.0	22.7	36.5	44.9	42.0
10,000 to 49,999 lb	S	20.2	19.6	30.8	23.6	23.4	20.6	24.0	22.6
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 37, Transportation equipment, n.e.c.	19.7	16.7	16.1	S	46.9	45.9	25.2	22.1	24.5
Less than 50 lb	32.2	27.8	28.6	31.3	26.9	27.2	34.3	44.4	42.2
50 to 99 lb	36.6	50.0	49.0	42.6	S	S	35.9	34.3	33.9
100 to 499 lb	36.7	42.0	43.0	S	36.9	36.0	S	32.8	32.1
500 to 749 lb	S	46.1	47.2	S	S	S	S	42.6	43.0
750 to 999 lb	S	S	S	S	S	S	S	44.0	44.3
1,000 to 9,999 lb	S	29.3	28.0	S	S	S	S	26.5	25.3
10,000 to 49,999 lb	29.6	27.5	26.8	S	46.5	45.2	S	36.3	39.0
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	31.7	21.4	21.8	14.5	18.3	19.3	24.9	S	S
Less than 50 lb	S	38.0	37.0	18.7	16.2	16.4	24.8	34.0	34.2
50 to 99 lb	34.9	22.0	22.4	35.8	S	S	26.3	45.9	44.2
100 to 499 lb	22.9	26.8	27.0	42.3	48.3	S	23.6	38.0	37.1
500 to 749 lb	S	S	S	40.8	39.4	39.8	46.7	41.0	40.8
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	49.8	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	48.0	48.1	27.6	31.6	31.5
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	9.5	12.3	12.2	12.0	12.5	12.5	8.9	12.7	13.9
Less than 50 lb	25.6	23.9	22.8	28.1	S	S	20.9	31.1	30.9
50 to 99 lb	34.3	28.1	26.6	25.5	21.5	21.2	17.9	19.6	19.5
100 to 499 lb	12.8	9.4	9.4	14.9	15.6	15.6	15.0	12.9	13.3
500 to 749 lb	22.9	21.2	20.5	36.1	27.8	27.7	18.9	17.8	18.0
750 to 999 lb	25.9	37.4	37.9	48.6	32.0	32.0	21.0	21.7	22.8
1,000 to 9,999 lb	14.6	12.1	11.7	25.5	25.5	25.7	20.3	20.5	22.2
10,000 to 49,999 lb	21.6	33.6	34.6	29.2	30.5	30.9	22.2	28.5	29.3
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	12.7	26.3	26.5	20.6	35.3	34.8	8.6	22.1	21.6
Less than 50 lb	19.1	21.2	20.5	16.8	18.3	18.7	17.2	17.5	17.5
50 to 99 lb	44.5	34.1	34.5	29.0	32.2	32.9	30.4	19.9	18.6
100 to 499 lb	13.3	20.6	20.8	22.6	20.0	20.3	23.6	14.4	14.0
500 to 749 lb	21.8	25.3	25.4	30.7	30.9	30.7	39.4	45.7	46.4
750 to 999 lb	41.6	38.3	36.8	45.6	38.0	37.1	44.1	39.1	38.7
1,000 to 9,999 lb	17.7	16.5	15.8	23.2	28.2	28.8	16.0	19.8	19.0
10,000 to 49,999 lb	20.7	42.4	43.0	49.7	S	49.2	17.3	39.9	39.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	36.6	46.1	46.8	S	S	S	45.6	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	39.5	39.0	41.2	S	S	S	S	43.1	43.2
50,000 to 99,999 lb	S	36.2	34.5	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 43, Mixed freight	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	40.9	40.9	S	S	S	S	S	S
50 to 99 lb	S	40.5	42.0	S	S	S	S	S	S
100 to 499 lb	49.6	47.8	47.4	—	—	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	33.5	42.7	42.9	35.7	35.8	36.2	S	S	S
Less than 50 lb	43.5	42.2	39.9	S	S	S	38.0	28.7	28.5
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	48.4	49.3
500 to 749 lb	37.3	40.1	39.0	S	S	S	43.7	S	49.9
750 to 999 lb	S	S	S	S	S	S	47.2	S	S
1,000 to 9,999 lb	S	49.4	49.4	S	S	S	43.4	39.2	39.0
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

SAMPLE DESIGN

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

First Stage

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidiroglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty makeup the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode-NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

Second Stage

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26,

1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

Third Stage

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

DATA COLLECTION

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which

the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed "unusable." (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these "unusable" shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of "usable" shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment's reporting week are both equal to one.

The quarter weight inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of

quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment's value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment's probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

Appendix D.

Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by agencies of the United States and Canadian governments based on the Harmonized System (HS) of product classification which is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In the past, Commodity Flow Survey (CFS) data have been collected and reported using product classifications found in the Standard Transportation Commodity Classification (STCC) system. These classifications were developed in the early 1960s by the American Association of Railroads (AAR) to analyze commodity movements by rail. The original purpose of the STCC was for identification of commodities for purposes of assigning rates for Interstate Commerce Commission (ICC) regulated rail carriers. The STCC continues to be used by the AAR as a tariff mechanism.

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although

it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

In 1997 the CFS provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, we instructed respondents to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment.

Additional information on the SCTG system can be found on the Internet through the BTS web page at <http://www.bts.gov>. Comments or questions on the SCTG should be directed to [http://cfs@bts.gov](mailto:cfs@bts.gov).

Appendix E.

Sample Report Forms and Instructions

The sample report forms and instructions are shown on the following pages.

Note: The CFS-2000 was sent to a subsample of establishments to obtain additional information about the use of transportation equipment and facilities.

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see *Instruction Guide* for a definition of "shipment."**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

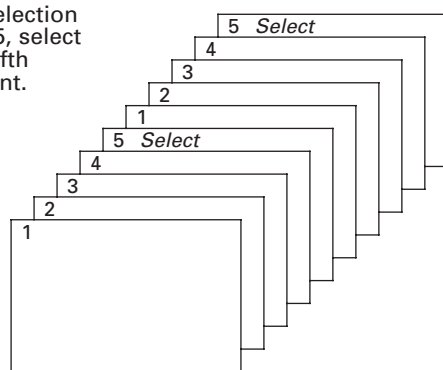
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

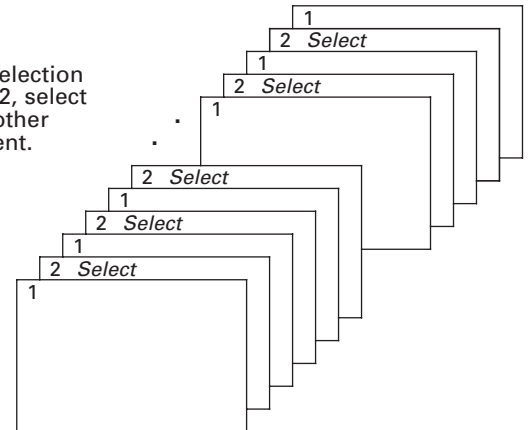
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel

6 — Deep draft vessel

7 — Pipeline

8 — Air

9 — Other mode

0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G
1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

2. Are the records for outbound shipments from this location maintained in a number of separate files (e.g., separate files for each commodity, or for each shipping site) at this location?

☐ Yes

☐ No

If yes to item G1 or item G2:
3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

Enter the total value of shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item I

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item J
CERTIFICATION

Name of person to contact regarding this report — *Please print*

Telephone number — *Include area code*

Date

Signature

Title

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1
- ☐
- In operation
-
- 2
- ☐
- Temporarily or seasonally inactive
-
- 3
- ☐
- Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see Instruction Guide for a definition of "shipment."

**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

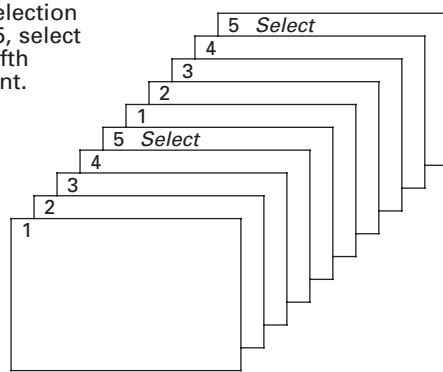
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

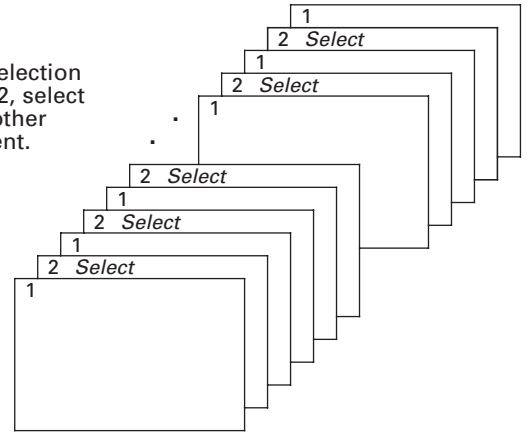
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
N	Los Angeles	CA	9 0 0 4 0	2, 4, 3	N				0
N	New York	NY	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued

Item G

Enter the total dollar value of **all** shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item H

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item I
AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not this type of facility existed **on-site** during 1997. For each "Yes" in column (b), check "Yes" or "No" in column (c) to indicate whether or not you used the facility on your premises for **outbound shipments** during 1997.

Type of shipping facility (a)	Was a shipping facility of this type on your premises during 1997? (b)	Did you use this facility on your premises for outbound shipments during 1997? (c)
1. Rail siding	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
2. Dock on the Great Lakes	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
3. Dock on inland water	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
4. Dock on deep sea water	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
6. Pipeline terminal	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item J **USE OF OFF-SITE SHIPPING FACILITIES**

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not you used an **off-site** facility of that type for **outbound shipments** during 1997. For each "Yes", enter the miles to that off-site facility in column (c), and the mode of transport used to reach that facility in column (d). The modes are listed below.

Type of shipping facility (a)	Did you use this type of off-site facility for outbound shipments during 1997? (b)	Distance to the off-site facility of this type that you used most in 1997 (Report in miles – estimates are acceptable) (c)	Mode of transport used to reach that facility (Enter a code from the list below) (d)
1. Rail siding	1 ☐ Yes —————→ 2 ☐ No		
2. Dock on the Great Lakes	1 ☐ Yes —————→ 2 ☐ No		
3. Dock on inland water	1 ☐ Yes —————→ 2 ☐ No		
4. Dock on deep sea water	1 ☐ Yes —————→ 2 ☐ No		
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —————→ 2 ☐ No		
6. Pipeline terminal	1 ☐ Yes —————→ 2 ☐ No		

1 – Trailer on Flat Car (TOFC)
2 – Private Truck

3 – For-Hire Truck
4 – Rail

5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

During 1997, did this location use any of the following types of equipment for outbound shipments? Please check "Yes" or "No." For rail cars reported in number 1 below, enter the approximate percentage of your total outbound rail shipments that used that type of rail car. These percentages should add to 100%. If you had no rail shipments, leave the percentages blank.

Equipment (a)	Was this type of equipment used for outbound shipments during 1993? (b)	Percentage of total rail shipments (c)
1. Rail cars that:	1 ☐ Yes → 2 ☐ No	
a. Your company owned/leased		
b. A common carrier owned/leased	1 ☐ Yes → 2 ☐ No	
c. Another party owned/leased (e.g. receiver)	1 ☐ Yes → 2 ☐ No	
2. Trucks with 6 or more tires or truck-tractors that:	1 ☐ Yes 2 ☐ No	
a. Your company owned		
b. Your company leased, with driver	1 ☐ Yes 2 ☐ No	
c. Your company leased, without driver	1 ☐ Yes 2 ☐ No	
3. Truck trailers that your company owned or leased	1 ☐ Yes 2 ☐ No	
4. Aircraft that your company owned or leased	1 ☐ Yes 2 ☐ No	
5. Barges that your company owned or leased	1 ☐ Yes 2 ☐ No	
6. Other equipment that your company owned or leased – <i>Specify</i> ↴	1 ☐ Yes 2 ☐ No	

Item L TRANSPORTATION DECISIONS

During 1997, who generally decided on the mode of transportation for your outbound shipments? *Check the appropriate box.*

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

Item M CERTIFICATIONName of person to contact regarding this report – *Please print*Telephone number – *Include area code*

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

You may use estimates if book figures are not readily available.

If you have questions about completing the survey, a Census Bureau representative will be glad to assist you. You can call us at 1-800-772-7851.

Some instructions are included on the questionnaire itself. However, due to space limitations, most of the instructions and definitions are included in separate reference materials. These include this instruction guide, and a listing of commodity codes to be used for classifying individual shipments in this survey.

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

The CFS produces valuable measures of the demands on the nation's transportation system.

The results of the CFS are used by transportation policy makers to analyze future transportation needs.

Who reports in the CFS?

The CFS covers a sample of establishments in the mining, manufacturing, wholesale, and selected retail industries.

Why is my participation important?

Your establishment was selected as part of a sample designed to represent a wide range of industries and geographic regions.

Your report helps ensure quality results.

Is this survey mandatory?

Yes. The CFS is mandatory under the authority of Title 13, United States Code (USC).

Will my data be kept confidential?

Yes. The same law that requires your participation, Title 13, USC, also guarantees your data will be kept strictly confidential.

The reports you provide the Census Bureau cannot be used for purposes of taxation, regulation, or investigation.

Your report is used only to develop summary data that do not reveal the activities of individual firms or establishments.

How often must I report?

You will be sent four questionnaires in all: one during each quarter of 1997.

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

Please enter the information requested on your establishment's name, operational status, and physical location.

Item D

Enter in the space provided your total number of outbound shipments **for the one week reporting period** on the front of the questionnaire.

Please include in this count any materials picked up by the customer ("customer pick-up").

What we mean by a "shipment":

For the purposes of this survey, a shipment is a single movement of goods, commodities, products, etc. from your location to a customer or to another location of your company.

"Commodities" refer to items that your location produces, sells, or distributes, *not* to items that are considered by-products of your location's operation.

What we don't mean by a "shipment":

Do *not* include as shipments items such as inter-office memos, payroll checks, business correspondence, etc.

Do *not* include as shipments items such as refuse, scrap paper, waste, and recyclable materials **unless** your location is in the business of selling or providing these materials to others.

A special note about "shipments":

A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location.

If a truck makes multiple deliveries on a route, **please count each stop as one shipment.**

Item E: Sampling Instructions

If you reported 40 or fewer shipments in Item D, complete Item F (Shipment Characteristics) for all of your shipments covered by the one-week reporting period.

If you reported more than 40 shipments in Item D, follow the instructions in Item E in order to select a sample of shipments on which to report in Item F.

By asking you to select a sample of your shipments for the one-week reporting period, we avoid asking you for information on all your shipments, while still obtaining statistically accurate information.

Reminder: The files you are sampling from should reflect the full range of your location's shipping activities in terms of modes of transportation used, commodities shipped, and destinations.

We're here to answer your questions! If you have questions about the sampling process (or any part of the questionnaire) please call us at 1-800-772-7851.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

- **Shipment ID Number (column b)** – Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date (column c)** – Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value (column d)** – Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, f.o.b. plant). If the value is not readily available from your records, please estimate.
- **Shipment Weight (column e)** – Enter the weight of the total shipment in whole pounds. If weight is not readily available from your records, please estimate.
- **Commodity Code (column f)** – Please use the list of Standard Classification of Transported Goods (SCTG) Codes in the enclosed SCTG Manual to select the proper code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight.
- **Commodity Description (column g)** – Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.

Item F SHIPMENT CHARACTERISTICS							
Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
		Month	Day				
0	123-5	4	26	4,235	140	3 6 1 2 0	Electrical transformers
00	123-6	4	26	125,300	626,500	1 7 1 0 0	Gasoline
1							
2							
3							
4							

Mode of transport codes for columns (k) and (n) ▶

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **For Hazardous Materials (column h)** – If shipment is a hazardous material, enter the 4-digit United Nations or North American number.
- **Containerized (column i)** – Indicate whether or not the shipment was containerized by entering "Y" or "N" (yes or no). Containerized means that the shipment **left your establishment** in an intermodal container or stackable tank without permanently attached wheels. These containers typically vary from 20 to 53 feet in length, and are carried on truck chassis, trains, and ships.
- **U.S. Destination: City, State, and ZIP Code (column j)** – For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver as it appears on the shipping document. Use the **"ship to"** address. Use the two letter state abbreviation shown in Part IV.

For **export shipments**, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, it is the border crossing.
- **Mode(s) of Transport (column k)** – Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in column j). Codes are located on the bottom of pages 2, 3, 4, and 5 of the questionnaire. Enter in the sequence used, all that apply. See Part III for definitions of each mode.

For Customer Pick-up: Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

If a hazardous material, enter the "UN" or "NA" number (h)	Containerized? (Y/N) (i)	U.S. destination (j)			Mode(s) of transport to U.S. destination Enter all that apply using codes shown below. (k)
		City	State	ZIP Code	
	N	Los Angeles	CA	90040	2, 4, 3
	N	New York	NY	10454	5

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **Export Shipment (column l)** – Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" or "N" (yes or no). For purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions are considered exports.
- **Foreign Destination: City and Country (column m)** – If the shipment is an export, enter the foreign city and country of destination. **For U.S. Destination (column j),** enter the U.S. port, airport, or border crossing of exit. **In column (k),** enter the mode of transport used to the U.S. destination.
- **Export Mode (column n)** – If the shipment is an export, enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 2, 3, 4, and 5 of the questionnaire.

Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	Country		
N				0
Y	London	England	6	00
				1
				2
				3
				4
				5

Items G – I

Please enter the information requested.

Item J: Certification

Please enter the name and telephone number of the person to contact in the event that we have a question about your report.

PART III – MODE DEFINITIONS

Parcel delivery/Courier/U.S. Postal Service – Delivery services that carry letters, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.

Private truck – Trucks operated by a temporary or permanent employee of this establishment or the buyer/receiver of the shipment.

For-hire truck – Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.

Railroad – Any common carrier or private railroad.

Shallow draft vessel – Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.

Deep draft vessel – Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.

Air – Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.

Other mode – Any mode not listed above.

Unknown – The shipment was not carried by a parcel delivery/courier/U.S. Postal service, and you cannot determine what mode of transportation is used.

Note: Commodities that are "shipped" under their own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Commodities shipped under their own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other" mode.**

PART IV -- STATE ABBREVIATION LIST

State	Abbrev.	State	Abbrev.
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

NOTICE - We estimate that it will take an average of 2 hours to complete this form. This includes time to read instructions, assemble and review information, and record answers on the form. If you have any comments regarding this estimate or any other aspect of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0189, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-0001. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

East South Central Division

1997

Issued April 2000

EC97TCF-DIV(6)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

This report was prepared in the Service Sector Statistics Division under the direction of **Thomas E. Zabelsky**, Assistant Chief for Current Service and Transportation Programs. Planning, implementation, and compiling of this report were under the supervision of **John L. Fowler**, Chief, Commodity Flow Survey Branch, assisted by **Wanda Dougherty, Debra Corbett, Bruce Dembroski, Shirley Gray, Michael Jones, Stephanie Kelley, Mabel Ocasio, Bonnie Opalko, Joyce Price, Barbara Selinske, Eli Serrano,** and **Michael Sprung**. Sample design and statistical methodology were developed under the general direction of **Howard Hogan** and **Carl A. Konschnik**, former Assistant Chiefs, and **Ruth E. Detlefsen**, current Assistant Chief, Research and Methodology. Sample design and estimation were under the supervision of **Patrick Cantwell**, former Chief, and **Jock Black**, current Chief, Program Research and Development Branch, assisted by **William C. Davie Jr., David L. Kinyon, Jacklyn R. Jonas,** and **M. Cristina Cruz**. Frame construction, sample control, imputation, and quality control procedures were developed under the supervision of **Carol King**, Chief, Statistical Methods Branch, assisted by **James Hunt**.

The processing system and computer programs were developed and implemented by the OAO programming group, led by **Jacques Wilmore** and assisted by **Harold N. Bobbitt** and **Robert J. Jeffrey**. **Steve G. McCraith**, Chief, Quinquennial Surveys Branch, Economic Statistical Methods and Programming Division and **Joseph F. Keehan** provided general support.

Coordination of data collection efforts was under the direction of **Judith N. Petty**, Chief, National Processing Center, assisted by **Matthew Aulbach, Linda Broadus, Grant Goodwin, Carlene Bottorff, Teresa Branstetter,** and **Jack Miller**.

The staff of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, performed planning, design, composition, editorial review, and printing planning and procurement for the publications, Internet products, and report forms. **Margaret A. Smith** provided publication coordination and editing.

We also acknowledge the contributions of the following Department of Transportation (DOT) representatives in the overall planning and design of the survey: **Rolf Schmitt**, Associate Director for Transportation Studies, Bureau of Transportation Statistics, assisted by **Susan Lapham, Russ Capelle, Ronald J. Duych,** and **Felix Ammah-Tagoe**.

The Oak Ridge National Laboratory's Center for Transportation Analysis, under the former and current direction of **Mike Bronzini** and **David Greene**, respectively, provided all mileage data for this report, using its transportation network modeling system, under the supervision of **Frank Southworth** and assisted by **Shih-Miao Chin, Bruce Peterson, Jane Rollow,** and **Angela Gibson**.

Special acknowledgment is also due to the many businesses whose cooperation was essential to the publication of these data.

1997 Economic Census
Transportation
1997 Commodity Flow Survey



**U.S. Department of
Transportation**
Rodney E. Slater,
Secretary
Mortimer L. Downey,
Deputy Secretary

**BUREAU OF TRANSPORTATION
STATISTICS**
Dr. Ashish Sen,
Director
Rick Kowalewski,
Deputy Director
Rolf R. Schmitt,
Associate Director for
Transportation Studies



U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

**Economics
and Statistics
Administration**
Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



**BUREAU OF TRANSPORTATION
STATISTICS**

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

CONTENTS

Introduction to the Economic Census	1
1997 Commodity Flow Survey	3

TABLES

1a. Shipment Characteristics by Mode of Transportation for the Division: 1997	9
1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993	9
1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993	10
2. Shipment Characteristics by Total Modal Activity for the Division: 1997	10
3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997	11
4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997	14
5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997	17
6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997	18
7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997	21
8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997	36
9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997	42
10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997 ...	48

APPENDIXES

A. Comparability With the 1993 Commodity Flow Survey	A-1
B. Reliability of the Estimates	B-1
C. Sample Design, Data Collection, and Estimation	C-1
D. Standard Classification of Transported Goods Code Information	D-1
E. Sample Report Forms and Instructions	E-1

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are

published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

1997 Commodity Flow Survey

GENERAL

The 1997 Commodity Flow Survey (CFS) is undertaken through a partnership between the Bureau of the Census, U.S. Department of Commerce, and the Bureau of Transportation Statistics, U.S. Department of Transportation. This survey produces data on the movement of goods in the United States. It provides information on commodities shipped, their value, weight, and mode of transportation, as well as the origin and destination of shipments of manufacturing, mining, wholesale, and selected retail establishments. The CFS was last conducted in 1993. See the Comparability With the 1993 Commodity Flow Survey table (Appendix A) for a comparison between the 1997 and 1993 surveys. The data from the CFS are used by public policy analysts and for transportation planning and decision-making to assess the demand for transportation facilities and services, energy use, and safety risk and environmental concerns.

This report presents data for the four Census Regions and nine Census Divisions. Additional reports include data for the United States, states, and selected metropolitan areas, as well as selected data on exports and hazardous material shipments.

INDUSTRY COVERAGE

The 1997 CFS covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey coverage excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail.

The industries covered, as defined in the 1987 Standard Industrial Classification Manual (SIC), are listed in the following table:

SIC code	Title
10, ex. 108	Metal mining (excluding metal mining services)
12, ex. 124	Coal mining (excluding coal mining services)
13	Oil and gas extraction ¹
14, ex. 148	Mining and quarrying of nonmetallic minerals, except fuels (excluding nonmetallic minerals services)
20	Food and kindred products
21	Tobacco products
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27, ex. 279	Printing, publishing, and allied industries (excluding service industries for the printing trade)
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastics products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, except machinery and transportation equipment
35	Industrial and commercial machinery and computer equipment
36	Electronic and other electrical equipment and components, except computer equipment
37	Transportation equipment
38	Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39	Miscellaneous manufacturing industries
50	Wholesale trade—durable goods
51	Wholesale trade—nondurable goods
596	Catalog and mail-order houses

¹We included establishments classified in SIC 13, Oil and Gas Extraction, in the initial coverage of the 1997 CFS. However, because of unresolved industry-wide reporting issues, we have removed shipments from these establishments from our 1997 CFS tabulations. The data collected from these establishments will be used as input to a special report at a later date.

Similarly, because establishments in SIC 13 are responsible for the overwhelming number of shipments classified in SCTG 16, Crude Petroleum, we have removed all shipments with SCTG 16 from the 1997 CFS publication results.

SHIPMENT COVERAGE

The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. The data do not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Shipments traversing the U.S. from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to a U.S. location. Imported products are included in the CFS at the point that they left the importer's domestic location for shipment to another location. Shipments that are shipped through a foreign territory with both the origin and destination in the U.S. are included in the CFS data. The mileages calculated for these shipments exclude the international segments (e.g., shipments from New York to Michigan through Canada do not include any mileages for Canada). Export shipments are included, with the domestic destination defined as the port of exit from the U.S.

The "Industry Coverage" section of the text lists the SIC groups covered by the CFS. Other industry areas that are not covered, but may have significant shipping activity, include agriculture, government, and retail (other than warehouses and SIC 5961, Catalog and Mail-Order Houses). For agriculture specifically, this means that the CFS did not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward.

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported

multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

The ORNL multimodal network database is composed of individual modal-specific networks representing each of the major transportation modes—highway, rail, waterway, air, and pipeline. The links of these specific modal networks are the representation of line-haul transportation facilities. The nodes represent intersections and interchanges, and the access points to the transportation network. To simulate local access, test links are created from each five-digit ZIP Code centroid to nearby nodes on the network. For the truck network, local access is assumed to exist everywhere. For the other modes this is not true. Before any test links are created for these modes, a search procedure is used to determine if and where such networks are most likely to provide access to the ZIP Code. For shipments involving more than one mode, such as truck-rail or rail-water shipments, intermodal transfer links are added to the network database for the purpose of connecting the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at ORNL to identify likely transfer points for different classes of freight. A measure of link impedance was calculated for each access, line-haul, and intermodal transfer link traversed by a shipment. These impedances were mode specific and are based on various link characteristics. For example, the set of link characteristics for the highway network included speed impacting factors, such as the presence of divided or undivided roadway, the degree of access control, rural or urban setting, type of pavement, number of lanes, degree of urban congestion, and length of the link. Link impedance measures are also assigned to the local access links. Intermodal transfer link impedances are estimated in terms of the time it takes to move goods through such a transfer. In the case of rail and air freight, intercarrier transfer penalties are also considered in order to obtain proper route selections. A minimum path algorithm is used to find the minimum impedance path between a shipment's origin ZIP Code centroid and destination ZIP Code centroid. The cumulative length of the local access plus line-haul links on this path provides the estimated shipment distance. When rail was involved these shipment distances may be averaged over more than one path between an origin-destination pair.

Mileage Data for Pipeline Shipments

In the tables, we do not show ton-miles or average miles per shipment for pipeline shipments. For most of these shipments, the respondents reported the shipment

destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network, and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment.

DISCLOSURE RULES

In accordance with Federal law governing Census Bureau reports, no data are published that would disclose the operations of an individual firm or establishment.

EXPLANATION OF TERMS

Average miles per shipment. For the 1993 CFS, we excluded shipments of STCC 27, Printed Matter, from our calculation of average miles per shipment. We made this decision after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term “shipment.”

For the 1997 CFS, we made numerous efforts throughout our data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, we have included printed products in the average miles per shipment calculations for the 1997 CFS.

Commodity. Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment’s operation. Respondents reported the description and the five-digit SCTG code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.

Distance shipped. In some tables, shipment data are presented for various “distance shipped” intervals. Shipments were categorized into these “distance shipped” intervals based on the great circle distance between their origin and destination ZIP Code centroids. All other distance-related data in this and other tables (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories. (See the “Mileage Calculations” section for more details.)

Great circle distance. The shortest distance between two points on the earth’s surface.

Mode of transportation. The type of transportation used for moving the shipment to its domestic destination. For exports, the domestic destination was the port of exit.

Mode Definitions

In the instructions to the respondent, we defined the possible modes as follows:

1. **Parcel delivery/courier/U.S. Postal Service.** Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
2. **Private truck.** Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
3. **For-hire truck.** Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
4. **Railroad.** Any common carrier or private railroad.
5. **Shallow draft vessels.** Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
6. **Deep draft vessel.** Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.
7. **Pipeline.** Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper’s establishment. Aqueducts for the movement of water are not included.
8. **Air.** Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.
9. **Other mode.** Any mode not listed above.
10. **Unknown.** The shipment was not carried by a parcel delivery/courier/U.S. Postal Service, and the respondent could not determine what mode of transportation was used.

In the tables, we have used additional terms for mode, which we define as follows:

1. **Air (includes truck and air).** Shipments that used air or a combination of truck and air.
2. **Single modes.** Shipments using only one of the above-listed modes, except parcel or other and unknown.
3. **Multiple modes.** Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used:
 - Private truck
 - For-hire truck
 - Rail
 - Shallow draft vessel
 - Deep draft vessel
 - Pipeline

We did not allow for multiple modes in combination with “parcel, U.S. Postal Service or courier,” “unknown,” or “other.” By their nature, these shipments may already include various kinds of multiple-mode activity. For example, if the respondent reported a shipment’s mode of transportation as parcel and air, we treated the shipment as parcel only.

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.
5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as “Other” or “Unknown.”
6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.
7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as “Other multiple modes.”
8. **Great Lakes.** In the tables in this publication, “Great Lakes” appears as a single mode. ORNL’s transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the “Mileage Calculations” section for more details).

Other Definitions and Terms

Shipment. A shipment (or delivery) is an individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.

Standard Classification of Transported Goods

(SCTG). The commodities shown in this report are classified using the SCTG coding system. The SCTG coding system was developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States

exclude any mileages through Canada (see the “Mileage Calculations” section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

Tons shipped. The total weight of the entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.

Total modal activity. The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)

Value of shipments. The dollar value of the entire shipment. This was defined as the net selling value, f.o.b. plant, exclusive of freight charges and excise taxes. The value data are displayed in millions of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables for this publication:

D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey.
lb	Pounds.
n.e.c.	Not elsewhere classified.
NA	Not applicable.
n.o.s.	Not otherwise specified.

OTHER TRANSPORTATION DATA

Users of transportation data may be especially interested in the following reports:

Economic Census: Transportation Sector covers establishments that provide passenger and freight transportation to the general public, government, or other businesses.

Published data include kind of business, geographic location, total operating revenue, annual and first quarter payroll, and number of employees for pay period including March 12.

Vehicle Inventory and Use Survey covers state and U.S. level statistics on the physical and operational characteristics of the Nation's truck, van, minivan, and sport utility vehicle population. Some of the types of data collected include number of vehicles, major use, body type, annual miles, model year, vehicle size, fuel type, operator classification, engine size, range of operation, weeks operated, products carried, and hazardous materials carried. This survey shows comparative statistics reflecting percent changes in number of vehicles between 1997 and 1992 for most characteristics.

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected

include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

All results of the 1997 Economic Census are available on the Census Bureau Internet site <http://www.census.gov> and on compact discs (CD-ROM).

For more information on any Census Bureau product, including a description of electronic and printed reports being issued, see the website or call Customer Services at 301-457-4100.

Table 1a. Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	457 310	100.0	949 807	100.0	219 191	100.0	282
Single modes	395 542	86.5	879 408	92.6	192 065	87.6	179
Truck ¹	363 061	79.4	651 856	68.6	87 421	39.9	155
For-hire truck	228 892	50.1	301 186	31.7	60 929	27.8	479
Private truck	131 699	28.8	346 265	36.5	25 546	11.7	62
Rail	20 947	4.6	150 078	15.8	76 303	34.8	714
Water	5 770	1.3	69 068	7.3	27 624	12.6	165
Shallow draft	4 605	1.0	62 954	6.6	25 269	11.5	163
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	260
Air (includes truck and air)	4 277	.9	96	—	120	—	1 029
Pipeline ²	1 489	.3	8 310	.9	S	S	S
Multiple modes	38 299	8.4	24 144	2.5	20 257	9.2	603
Parcel, U.S. Postal Service or courier	24 821	5.4	1 197	.1	601	.3	601
Truck and rail	12 592	2.8	5 767	.6	3 933	1.8	1 053
Truck and water	360	—	9 111	1.0	4 910	2.2	S
Rail and water	S	S	S	S	S	S	352
Other multiple modes	S	S	S	S	S	S	1 694
Other and unknown modes	23 469	5.1	46 255	4.9	6 869	3.1	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	457 310	426 978	7.1	949 807	864 333	9.9	219 191	205 533	6.6	282	283	−5
Single modes	395 542	383 188	3.2	879 408	794 947	10.6	192 065	186 321	3.1	179	172	4.5
Truck ¹	363 061	348 846	4.1	651 856	568 635	14.6	87 421	81 275	7.6	155	149	4.0
For-hire truck	228 892	216 075	5.9	301 186	276 417	9.0	60 929	54 207	12.4	479	476	.6
Private truck	131 699	131 850	−.1	346 265	290 153	19.3	25 546	26 762	−4.5	62	63	−.6
Rail	20 947	20 604	1.7	150 078	154 273	−2.7	76 303	71 154	7.2	714	711	.4
Water	5 770	6 587	−12.4	69 068	67 157	2.8	27 624	32 883	−16.0	165	830	−80.1
Shallow draft	4 605	4 954	−7.0	62 954	55 325	13.8	25 269	26 372	−4.2	163	476	−65.7
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	S	1 633	S	S	11 833	S	S	6 511	S	260	4 086	−93.6
Air (includes truck and air)	4 277	6 372	−32.9	96	98	−1.4	120	125	−4.6	1 029	1 054	−2.3
Pipeline ²	1 489	779	91.0	8 310	4 784	73.7	S	S	S	S	S	S
Multiple modes	38 299	28 213	35.7	24 144	24 367	−9	20 257	15 059	34.5	603	556	8.4
Parcel, U.S. Postal Service or courier	24 821	21 363	16.2	1 197	1 020	17.4	601	607	−1.0	601	553	8.6
Truck and rail	12 592	6 083	107.0	5 767	3 009	91.6	3 933	2 595	51.5	1 053	1 260	−16.4
Truck and water	360	624	−42.3	9 111	16 448	−44.6	4 910	8 313	−40.9	S	574	S
Rail and water	S	122	S	S	3 652	S	S	S	S	352	886	−60.2
Other multiple modes	S	S	S	S	239	S	S	415	S	1 694	1 795	−5.6
Other and unknown modes ...	23 469	15 576	50.7	46 255	45 019	2.7	6 869	4 152	65.4	S	98	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	86.5	89.7	92.6	92.0	87.6	90.7
Truck ¹	79.4	81.7	68.6	65.8	39.9	39.5
For-hire truck	50.1	50.6	31.7	32.0	27.8	26.4
Private truck	28.8	30.9	36.5	33.6	11.7	13.0
Rail	4.6	4.8	15.8	17.8	34.8	34.6
Water	1.3	1.5	7.3	7.8	12.6	16.0
Shallow draft	1.0	1.2	6.6	6.4	11.5	12.8
Great Lakes	—	—	—	—	—	—
Deep draft	S	.4	S	1.4	S	3.2
Air (includes truck and air)	.9	1.5	—	—	—	—
Pipeline ²	.3	.2	.9	.6	S	S
Multiple modes	8.4	6.6	2.5	2.8	9.2	7.3
Parcel, U.S. Postal Service or courier	5.4	5.0	.1	.1	.3	.3
Truck and rail	2.8	1.4	.6	.3	1.8	1.3
Truck and water	—	.1	1.0	1.9	2.2	4.0
Rail and water	S	—	S	.4	S	S
Other multiple modes	S	S	S	—	S	.2
Other and unknown modes	5.1	3.6	4.9	5.2	3.1	2.0

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 2. Shipment Characteristics by Total Modal Activity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	219 191	100.0	277
Truck	87 864	40.1	153
Rail	80 492	36.7	837
Shallow draft	35 637	16.3	366
Great Lakes	2	—	790
Deep draft	S	S	1 813
Air	113	—	951
Parcel, U.S. Postal Service or courier	601	.3	601
Pipeline	S	S	S
Other and unknown modes	6 869	3.1	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹Data represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving by truck only plus ton-miles for truck segments only of multiple mode shipments.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	457 310	100.0	949 807	100.0	219 191	100.0
Less than 50 miles	102 550	22.4	476 712	50.2	10 419	4.8
50 to 99 miles	39 853	8.7	120 249	12.7	12 917	5.9
100 to 249 miles	77 985	17.1	142 837	15.0	37 845	17.3
250 to 499 miles	106 795	23.4	125 476	13.2	66 372	30.3
500 to 749 miles	65 740	14.4	58 570	6.2	51 162	23.3
750 to 999 miles	26 320	5.8	13 458	1.4	14 497	6.6
1,000 to 1,499 miles	11 447	2.5	4 053	.4	5 893	2.7
1,500 to 1,999 miles	23 091	5.0	6 713	.7	15 257	7.0
2,000 miles or more	3 529	.8	1 742	.2	4 829	2.2
Single modes	395 542	100.0	879 408	100.0	192 065	100.0
Less than 50 miles	86 065	21.8	438 438	49.9	9 701	5.1
50 to 99 miles	37 143	9.4	118 891	13.5	12 790	6.7
100 to 249 miles	71 049	18.0	130 996	14.9	34 093	17.8
250 to 499 miles	94 087	23.8	116 247	13.2	57 302	29.8
500 to 749 miles	55 193	14.0	51 642	5.9	43 527	22.7
750 to 999 miles	21 429	5.4	12 749	1.4	13 697	7.1
1,000 to 1,499 miles	9 336	2.4	3 735	.4	5 429	2.8
1,500 to 1,999 miles	18 547	4.7	5 852	.7	13 226	6.9
2,000 miles or more	2 692	.7	858	.1	2 300	1.2
Truck¹	363 061	100.0	651 856	100.0	87 421	100.0
Less than 50 miles	83 983	23.1	411 648	63.2	8 743	10.0
50 to 99 miles	35 242	9.7	90 027	13.8	8 097	9.3
100 to 249 miles	64 809	17.9	62 635	9.6	12 709	14.5
250 to 499 miles	84 464	23.3	50 857	7.8	21 214	24.3
500 to 749 miles	48 397	13.3	22 492	3.5	16 456	18.8
750 to 999 miles	18 962	5.2	7 240	1.1	7 286	8.3
1,000 to 1,499 miles	8 540	2.4	2 643	.4	3 637	4.2
1,500 to 1,999 miles	16 426	4.5	3 763	.6	7 886	9.0
2,000 miles or more	2 237	.6	550	—	1 392	1.6
For-hire truck	228 892	100.0	301 186	100.0	60 929	100.0
Less than 50 miles	20 566	9.0	161 477	53.6	3 642	6.0
50 to 99 miles	13 269	5.8	41 609	13.8	3 796	6.2
100 to 249 miles	38 550	16.8	34 213	11.4	6 943	11.4
250 to 499 miles	72 333	31.6	31 912	10.6	14 407	23.6
500 to 749 miles	42 473	18.6	19 469	6.5	14 263	23.4
750 to 999 miles	16 612	7.3	6 336	2.1	6 372	10.5
1,000 to 1,499 miles	7 696	3.4	2 290	.8	3 143	5.2
1,500 to 1,999 miles	15 301	6.7	3 394	1.1	7 130	11.7
2,000 miles or more	2 091	.9	486	.2	1 233	2.0
Private truck	131 699	100.0	346 265	100.0	25 546	100.0
Less than 50 miles	62 892	47.8	248 532	71.8	5 041	19.7
50 to 99 miles	21 746	16.5	46 962	13.6	4 187	16.4
100 to 249 miles	25 978	19.7	27 928	8.1	5 665	22.2
250 to 499 miles	11 618	8.8	S	S	S	S
500 to 749 miles	5 374	4.1	2 697	.8	1 951	7.6
750 to 999 miles	2 175	1.7	829	.2	836	3.3
1,000 to 1,499 miles	796	.6	288	—	403	1.6
1,500 to 1,999 miles	1 027	.8	316	—	652	2.6
2,000 miles or more	93	—	56	—	140	.5
Rail	20 947	100.0	150 078	100.0	76 303	100.0
Less than 50 miles	1 126	5.4	15 539	10.4	702	.9
50 to 99 miles	800	3.8	13 540	9.0	1 744	2.3
100 to 249 miles	2 859	13.7	36 096	24.1	12 164	15.9
250 to 499 miles	7 422	35.4	58 022	38.7	32 124	42.1
500 to 749 miles	4 380	20.9	18 104	12.1	15 489	20.3
750 to 999 miles	1 881	9.0	5 317	3.5	6 113	8.0
1,000 to 1,499 miles	490	2.3	1 082	.7	1 777	2.3
1,500 to 1,999 miles	1 708	8.2	2 082	1.4	5 324	7.0
2,000 miles or more	280	1.3	297	.2	866	1.1
Water	5 770	100.0	69 068	100.0	27 624	100.0
Less than 50 miles	524	9.1	8 677	12.6	238	.9
50 to 99 miles	1 037	18.0	15 310	22.2	S	S
100 to 249 miles	1 879	32.6	26 533	38.4	8 641	31.3
250 to 499 miles	S	S	7 347	10.6	3 949	14.3
500 to 749 miles	1 137	19.7	11 017	16.0	11 559	41.8
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Shallow draft	4 605	100.0	62 954	100.0	25 269	100.0
Less than 50 miles	445	9.7	8 074	12.8	S	S
50 to 99 miles	1 037	22.5	15 310	24.3	S	S
100 to 249 miles	1 738	37.7	25 865	41.1	8 555	33.9
250 to 499 miles	364	7.9	3 675	5.8	2 410	9.5
500 to 749 miles	925	20.1	9 845	15.6	10 835	42.9
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S
Less than 50 miles	S	S	603	9.9	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Air (includes truck and air)	4 277	100.0	96	100.0	120	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	49	1.1	2	1.9	1	.5
100 to 249 miles	462	10.8	14	14.6	4	3.6
250 to 499 miles	1 105	25.8	22	22.5	14	11.6
500 to 749 miles	1 276	29.8	23	23.5	20	16.8
750 to 999 miles	489	11.4	7	7.6	8	6.6
1,000 to 1,499 miles	306	7.2	10	10.2	15	12.6
1,500 to 1,999 miles	413	9.7	7	7.7	16	13.0
2,000 miles or more	175	4.1	S	S	S	S
Pipeline²	1 489	100.0	8 310	100.0	S	S
Less than 50 miles	432	29.0	2 574	31.0	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	1 040	69.8	5 718	68.8	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	—	—	—	—	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	38 299	100.0	24 144	100.0	20 257	100.0
Less than 50 miles	2 466	6.4	2 589	10.7	S	S
50 to 99 miles	1 953	5.1	412	1.7	40	.2
100 to 249 miles	4 910	12.8	8 292	34.3	2 863	14.1
250 to 499 miles	10 405	27.2	5 671	23.5	S	S
500 to 749 miles	8 488	22.2	5 746	23.8	6 787	33.5
750 to 999 miles	3 974	10.4	435	1.8	529	2.6
1,000 to 1,499 miles	1 959	5.1	230	1.0	344	1.7
1,500 to 1,999 miles	3 560	9.3	694	2.9	1 678	8.3
2,000 miles or more	584	1.5	74	.3	235	1.2
Parcel, U.S. Postal Service or courier	24 821	100.0	1 197	100.0	601	100.0
Less than 50 miles	2 374	9.6	S	S	7	1.2
50 to 99 miles	1 892	7.6	75	6.3	7	1.2
100 to 249 miles	4 453	17.9	173	14.5	36	5.9
250 to 499 miles	5 810	23.4	231	19.3	106	17.6
500 to 749 miles	4 753	19.1	187	15.6	136	22.6
750 to 999 miles	2 500	10.1	78	6.5	78	13.1
1,000 to 1,499 miles	1 000	4.0	30	2.5	43	7.2
1,500 to 1,999 miles	1 612	6.5	53	4.4	111	18.5
2,000 miles or more	426	1.7	S	S	77	12.8
Truck and rail	12 592	100.0	5 767	100.0	3 933	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	49	.4	85	1.5	S	S
100 to 249 miles	194	1.5	871	15.1	261	6.6
250 to 499 miles	4 150	33.0	868	15.1	493	12.5
500 to 749 miles	3 638	28.9	821	14.2	734	18.7
750 to 999 miles	S	S	276	4.8	321	8.2
1,000 to 1,499 miles	959	7.6	200	3.5	301	7.7
1,500 to 1,999 miles	1 947	15.5	641	11.1	1 567	39.8
2,000 miles or more	134	1.1	36	.6	102	2.6
Truck and water	360	100.0	9 111	100.0	4 910	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	S	S	S	S	19	.4
100 to 249 miles	186	51.7	4 908	53.9	1 599	32.6
250 to 499 miles	68	18.9	2 176	23.9	1 443	29.4
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	13	3.6	5	—	41	.8

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	.1	—	—	—	—
Other multiple modes	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	23 469	100.0	46 255	100.0	6 869	100.0
Less than 50 miles	14 020	59.7	35 684	77.1	556	8.1
50 to 99 miles	756	3.2	946	2.0	88	1.3
100 to 249 miles	2 025	8.6	3 548	7.7	889	12.9
250 to 499 miles	2 302	9.8	3 557	7.7	1 452	21.1
500 to 749 miles	2 059	8.8	1 182	2.6	848	12.3
750 to 999 miles	917	3.9	274	.6	270	3.9
1,000 to 1,499 miles	152	.6	87	.2	119	1.7
1,500 to 1,999 miles	984	4.2	167	.4	352	5.1
2,000 miles or more	253	1.1	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	457 310	100.0	949 807	100.0	219 191	100.0	282
Less than 50 lb	27 373	6.0	938	.1	315	.1	331
50 to 99 lb	9 347	2.0	888	—	192	—	214
100 to 499 lb	31 504	6.9	5 172	.5	1 039	.5	193
500 to 749 lb	10 736	2.3	2 507	.3	493	.2	196
750 to 999 lb	7 933	1.7	2 011	.2	423	.2	208
1,000 to 9,999 lb	125 683	27.5	41 362	4.4	10 452	4.8	236
10,000 to 49,999 lb	191 469	41.9	302 969	31.9	59 683	27.2	204
50,000 to 99,999 lb	21 374	4.7	225 352	23.7	21 880	10.0	92
100,000 lb or more	31 892	7.0	368 609	38.8	124 716	56.9	357
Single modes	395 542	100.0	879 408	100.0	192 065	100.0	179
Less than 50 lb	10 559	2.7	463	—	74	—	190
50 to 99 lb	5 107	1.3	648	—	79	—	119
100 to 499 lb	26 175	6.6	4 560	.5	812	.4	163
500 to 749 lb	10 079	2.5	2 389	.3	465	.2	194
750 to 999 lb	7 369	1.9	1 914	.2	395	.2	205
1,000 to 9,999 lb	102 238	25.8	37 865	4.3	8 998	4.7	228
10,000 to 49,999 lb	183 559	46.4	295 675	33.6	55 928	29.1	196
50,000 to 99,999 lb	20 691	5.2	214 834	24.4	17 048	8.9	81
100,000 lb or more	29 764	7.5	321 059	36.5	108 265	56.4	353
Truck¹	363 061	100.0	651 856	100.0	87 421	100.0	155
Less than 50 lb	9 101	2.5	452	—	63	—	133
50 to 99 lb	4 697	1.3	643	.1	74	—	111
100 to 499 lb	24 698	6.8	4 537	.7	789	.9	158
500 to 749 lb	9 719	2.7	2 383	.4	459	.5	191
750 to 999 lb	7 298	2.0	1 909	.3	389	.4	202
1,000 to 9,999 lb	101 116	27.9	37 754	5.8	8 922	10.2	226
10,000 to 49,999 lb	181 280	49.9	293 664	45.1	53 958	61.7	191
50,000 to 99,999 lb	20 186	5.6	213 249	32.7	16 342	18.7	79
100,000 lb or more	4 965	1.4	97 265	14.9	6 425	7.3	70
For-hire truck	228 892	100.0	301 186	100.0	60 929	100.0	479
Less than 50 lb	1 998	.9	66	—	42	—	563
50 to 99 lb	1 267	.6	61	—	37	—	608
100 to 499 lb	11 068	4.8	926	.3	565	.9	612
500 to 749 lb	4 917	2.1	511	.2	321	.5	628
750 to 999 lb	3 763	1.6	458	.2	271	.4	589
1,000 to 9,999 lb	63 302	27.7	12 053	4.0	6 405	10.5	549
10,000 to 49,999 lb	130 364	57.0	140 040	46.5	41 026	67.3	315
50,000 to 99,999 lb	9 285	4.1	106 459	35.3	7 833	12.9	75
100,000 lb or more	2 926	1.3	40 612	13.5	4 428	7.3	115
Private truck	131 699	100.0	346 265	100.0	25 546	100.0	62
Less than 50 lb	7 086	5.4	385	.1	21	—	51
50 to 99 lb	3 416	2.6	580	.2	36	.1	61
100 to 499 lb	13 266	10.1	3 575	1.0	218	.9	58
500 to 749 lb	4 724	3.6	1 862	.5	135	.5	71
750 to 999 lb	3 507	2.7	1 437	.4	114	.4	79
1,000 to 9,999 lb	37 244	28.3	25 515	7.4	2 439	9.5	88
10,000 to 49,999 lb	49 635	37.7	151 159	43.7	12 216	47.8	83
50,000 to 99,999 lb	10 818	8.2	106 251	30.7	8 451	33.1	83
100,000 lb or more	2 004	1.5	55 501	16.0	1 915	7.5	33
Rail	20 947	100.0	150 078	100.0	76 303	100.0	714
Less than 50 lb	S	S	S	S	—	—	307
50 to 99 lb	S	S	S	S	S	S	295
100 to 499 lb	5	—	S	S	1	—	670
500 to 749 lb	S	S	—	—	—	—	1 374
750 to 999 lb	10	—	1	—	S	S	1 920
1,000 to 9,999 lb	S	S	80	—	50	—	600
10,000 to 49,999 lb	2 065	9.9	1 377	.9	1 882	2.5	1 330
50,000 to 99,999 lb	472	2.3	1 344	.9	698	.9	508
100,000 lb or more	17 619	84.1	147 273	98.1	73 669	96.5	647
Water	5 770	100.0	69 068	100.0	27 624	100.0	165
Less than 50 lb	1	—	—	—	—	—	14
50 to 99 lb	S	S	—	—	—	—	15
100 to 499 lb	6	.1	2	—	—	—	17
500 to 749 lb	2	—	1	—	S	S	27
750 to 999 lb	S	S	S	S	S	S	15
1,000 to 9,999 lb	S	S	S	S	S	S	122
10,000 to 49,999 lb	S	S	S	S	S	S	85
50,000 to 99,999 lb	10	.2	111	.2	S	S	50
100,000 lb or more	5 721	99.2	68 354	99.0	27 574	99.8	415
Shallow draft	4 605	100.0	62 954	100.0	25 269	100.0	163
Less than 50 lb	1	—	—	—	—	—	14
50 to 99 lb	S	S	—	—	—	—	15
100 to 499 lb	6	.1	2	—	—	—	17
500 to 749 lb	2	—	1	—	S	S	27
750 to 999 lb	S	S	S	S	S	S	15
1,000 to 9,999 lb	S	S	S	S	S	S	122
10,000 to 49,999 lb	S	S	S	S	S	S	85
50,000 to 99,999 lb	10	.2	111	.2	S	S	50
100,000 lb or more	4 556	98.9	62 240	98.9	25 219	99.8	422

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	260
Less than 50 lb	S	S	S	S	S	S	10
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	301
Air (includes truck and air)	4 277	100.0	96	100.0	120	100.0	1 029
Less than 50 lb	1 454	34.0	11	11.7	12	9.7	1 022
50 to 99 lb	410	9.6	5	5.0	5	4.4	1 124
100 to 499 lb	1 466	34.3	19	20.0	21	17.7	1 100
500 to 749 lb	357	8.4	5	5.1	6	5.0	1 207
750 to 999 lb	60	1.4	4	3.8	4	3.2	1 037
1,000 to 9,999 lb	346	8.1	25	26.3	26	21.4	1 116
10,000 to 49,999 lb	S	S	23	24.0	S	S	1 499
50,000 to 99,999 lb	S	S	S	S	S	S	682
100,000 lb or more	—	—	—	—	—	—	—
Pipeline²	1 489	100.0	8 310	100.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S
100,000 lb or more	1 459	98.0	8 168	98.3	S	S	S
Multiple modes	38 299	100.0	24 144	100.0	20 257	100.0	603
Less than 50 lb	15 503	40.5	398	1.6	237	1.2	612
50 to 99 lb	3 894	10.2	204	.8	110	.5	531
100 to 499 lb	4 512	11.8	461	1.9	213	1.0	495
500 to 749 lb	422	1.1	69	.3	20	.1	299
750 to 999 lb	467	1.2	62	.3	22	.1	346
1,000 to 9,999 lb	9 006	23.5	957	4.0	1 010	5.0	1 052
10,000 to 49,999 lb	3 480	9.1	2 299	9.5	2 452	12.1	1 117
50,000 to 99,999 lb	335	.9	8 485	35.1	4 500	22.2	528
100,000 lb or more	S	S	11 209	46.4	S	S	688
Parcel, U.S. Postal Service or courier	24 821	100.0	1 197	100.0	601	100.0	601
Less than 50 lb	15 503	62.5	398	33.3	237	39.4	612
50 to 99 lb	3 894	15.7	204	17.0	110	18.2	531
100 to 499 lb	4 509	18.2	461	38.5	212	35.3	495
500 to 749 lb	422	1.7	69	5.8	20	3.3	297
750 to 999 lb	455	1.8	61	5.1	21	3.5	331
1,000 to 9,999 lb	S	S	S	S	S	S	426
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	12 592	100.0	5 767	100.0	3 933	100.0	1 053
Less than 50 lb	S	S	S	S	S	S	940
50 to 99 lb	S	S	S	S	S	S	1 234
100 to 499 lb	S	S	S	S	S	S	773
500 to 749 lb	S	S	S	S	S	S	2 673
750 to 999 lb	S	S	1	—	S	S	2 024
1,000 to 9,999 lb	8 966	71.2	953	16.5	1 003	25.5	1 050
10,000 to 49,999 lb	3 334	26.5	2 187	37.9	2 373	60.3	1 127
50,000 to 99,999 lb	129	1.0	274	4.7	149	3.8	561
100,000 lb or more	148	1.2	S	S	406	10.3	S
Truck and water	360	100.0	9 111	100.0	4 910	100.0	S
Less than 50 lb	S	S	S	S	S	S	7 494
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	7 343
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	7 044
10,000 to 49,999 lb	S	S	102	1.1	60	1.2	S
50,000 to 99,999 lb	206	57.2	8 211	90.1	4 350	88.6	527
100,000 lb or more	119	32.9	797	8.7	494	10.1	721

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	S	S	S	S	S	S	352
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	.1	S	S	—	—	386
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	351
Other multiple modes	S	S	S	S	S	S	1 694
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	19	.2	1 572
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	1 726
Other and unknown modes	23 469	100.0	46 255	100.0	6 869	100.0	S
Less than 50 lb	1 310	5.6	76	.2	4	—	S
50 to 99 lb	346	1.5	36	—	3	—	77
100 to 499 lb	816	3.5	151	.3	14	.2	85
500 to 749 lb	234	1.0	49	.1	8	.1	151
750 to 999 lb	98	.4	35	—	6	—	164
1,000 to 9,999 lb	14 439	61.5	2 539	5.5	443	6.5	172
10,000 to 49,999 lb	4 431	18.9	4 995	10.8	1 302	19.0	269
50,000 to 99,999 lb	348	1.5	2 032	4.4	332	4.8	145
100,000 lb or more	1 447	6.2	36 341	78.6	4 757	69.3	450

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	457 310	100.0	949 807	100.0	219 191	100.0	282
01	Live animals and live fish	859	.2	803	—	402	.2	409
02	Cereal grains	1 323	.3	11 306	1.2	3 965	1.8	S
03	Other agricultural products	4 240	.9	9 575	1.0	4 168	1.9	78
04	Animal feed and products of animal origin, n.e.c.	4 546	1.0	16 365	1.7	2 345	1.1	S
05	Meat, fish, seafood, and their preparations	11 490	2.5	5 767	.6	2 321	1.1	148
06	Milled grain products and preparations, and bakery products	5 874	1.3	5 387	.6	2 499	1.1	107
07	Other prepared foodstuffs and fats and oils	19 669	4.3	26 464	2.8	7 935	3.6	105
08	Alcoholic beverages	5 013	1.1	3 242	.3	937	.4	32
09	Tobacco products	8 140	1.8	424	—	185	—	227
10	Monumental or building stone	S	S	S	S	138	—	282
11	Natural sands	178	—	29 368	3.1	3 671	1.7	55
12	Gravel and crushed stone	1 144	.3	169 492	17.8	11 070	5.1	49
13	Nonmetallic minerals n.e.c.	S	S	7 819	.8	2 374	1.1	537
14	Metallic ores and concentrates	607	.1	5 900	.6	798	.4	116
15	Coal	5 931	1.3	224 855	23.7	64 225	29.3	118
17	Gasoline and aviation turbine fuel	13 369	2.9	55 883	5.9	5 388	2.5	32
18	Fuel oils	4 757	1.0	23 435	2.5	S	S	28
19	Coal and petroleum products, n.e.c.	3 116	.7	14 406	1.5	2 878	1.3	75
20	Basic chemicals	10 989	2.4	16 993	1.8	7 107	3.2	291
21	Pharmaceutical products	10 541	2.3	785	—	132	—	395
22	Fertilizers	1 212	.3	6 602	.7	3 462	1.6	80
23	Chemical products and preparations, n.e.c.	10 423	2.3	4 646	.5	2 191	1.0	227
24	Plastics and rubber	21 244	4.6	7 830	.8	4 585	2.1	247
25	Logs and other wood in the rough	1 795	.4	57 314	6.0	4 974	2.3	72
26	Wood products	11 304	2.5	35 467	3.7	8 971	4.1	158
27	Pulp, newsprint, paper, and paperboard	11 094	2.4	20 427	2.2	13 362	6.1	183
28	Paper or paperboard articles	5 353	1.2	4 150	.4	1 230	.6	285
29	Printed products	16 126	3.5	4 373	.5	1 927	.9	275
30	Textiles, leather, and articles of textiles or leather	35 878	7.8	4 843	.5	2 718	1.2	719
31	Nonmetallic mineral products	8 393	1.8	82 022	8.6	7 281	3.3	120
32	Base metal in primary or semifinished forms and in finished basic shapes	22 928	5.0	25 079	2.6	11 085	5.1	241
33	Articles of base metal	15 206	3.3	8 850	.9	5 210	2.4	355
34	Machinery	31 067	6.8	4 362	.5	2 428	1.1	282
35	Electronic and other electrical equipment and components and office equipment	34 754	7.6	4 131	.4	2 387	1.1	485
36	Motorized and other vehicles (including parts)	59 453	13.0	9 217	1.0	4 618	2.1	191
37	Transportation equipment, n.e.c.	3 559	.8	413	—	329	.2	662
38	Precision instruments and apparatus	3 483	.8	98	—	57	—	579
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7 958	1.7	2 173	.2	1 278	.6	458
40	Miscellaneous manufactured products	22 102	4.8	7 561	.8	3 269	1.5	541
41	Waste and scrap	2 026	.4	11 974	1.3	2 682	1.2	152
43	Mixed freight	17 040	3.7	6 734	.7	1 238	.6	120
--	Commodity unknown	1 877	.4	S	S	S	S	252

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	457 310	100.0	949 807	100.0	219 191	100.0	282
010	Live animals and live fish	859	.2	803	—	402	.2	409
021	Wheat	163	—	1 196	.1	461	.2	116
022	Corn, except sweet	911	.2	8 323	.9	2 843	1.3	S
029	Other cereal grains	249	—	1 787	.2	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	194	—	210	—	S	S	78
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	921	.2	949	.1	132	—	S
033	Fresh, chilled, or dried edible fruit and nuts	301	—	S	S	S	—	S
034	Soya beans	1 059	.2	3 995	.4	2 241	1.0	112
035	Oil seeds and nuts, except olives and soya beans	166	—	S	S	S	S	82
036	Bulbs, live plants, and seeds for sowing, n.e.c.	226	—	153	—	17	—	93
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	1 372	.3	1 551	.2	630	.3	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	1 659	.4	3 954	.4	1 153	.5	S
042	Animal feed preparations	2 887	.6	12 412	1.3	1 192	.5	S
051	Meat including poultry, except preparations	10 315	2.3	5 493	.6	2 197	1.0	143
052	Fish, except live, and seafood, except preparations	1 172	.3	273	—	124	—	167
053	Preparations, extracts, and juices of meat, fish, or seafood	4	—	1	—	—	—	269
061	Wheat flour, groats, and meal	230	—	754	—	136	—	148
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	517	.1	1 183	.1	964	.4	399
063	Food preparations of cereals, flour, starch, or milk	1 453	.3	1 206	.1	423	.2	137
064	Bakery products	3 673	.8	2 243	.2	975	.4	94
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	2 991	.7	3 661	.4	504	.2	S
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	4 507	1.0	2 666	.3	865	.4	191
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	309	—	77	—	17	—	166
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	2 768	.6	6 012	.6	3 509	1.6	269
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	460	.1	2 218	.2	936	.4	210
076	Confectionery, cocoa, and cocoa preparations	1 350	.3	369	—	224	.1	516
077	Edible preparations, n.e.c. and vinegar	3 176	.7	2 733	.3	1 178	.5	166
078	Nonalcoholic beverages, n.e.c. and ice	4 109	.9	8 728	.9	703	.3	32
081	Malt Beer	2 350	.5	2 495	.3	556	.3	26
082	Wine and other fermented beverages	242	—	97	—	3	—	28
083	Spirituos beverages and ethyl alcohol	2 421	.5	650	—	378	.2	69
090	Tobacco products	8 140	1.8	424	—	185	—	227
100	Monumental or building stone, except dolomite	S	S	S	S	138	—	282
110	Natural sands, except metal-bearing	178	—	29 368	3.1	3 671	1.7	55
120	Gravel and crushed stone, except dolomite and slate	1 144	.3	169 492	17.8	11 070	5.1	49
131	Salt	34	—	703	—	290	.1	124
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	166	—	S	S	334	.2	1 036
133	Dolomite	S	S	S	S	S	S	58
139	Other nonmetallic minerals	S	S	5 987	.6	1 729	.8	309
141	Iron ores and concentrates	S	S	S	S	S	S	30
149	Other metallic ores and concentrates	532	.1	S	S	713	.3	162
151	Nonagglomerated bituminous coal	5 929	1.3	224 851	23.7	64 218	29.3	118
159	Other coal	S	S	S	S	S	S	S
171	Gasoline	12 518	2.7	51 451	5.4	4 347	2.0	31
172	Aviation turbine fuel (types A and B)	S	S	S	S	S	S	106
180	Fuel oils	4 757	1.0	23 435	2.5	S	S	28
191	Lubricating oils and greases	1 305	.3	1 492	.2	328	.1	70
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	224	—	638	—	S	S	36
193	Gaseous hydrocarbons	456	.1	1 994	.2	544	.2	46
199	Other products of petroleum refining, and coal products	1 132	.2	10 283	1.1	1 857	.8	167
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	S	S	S	S	S	S	710
202	Inorganic chemicals, n.e.c.	3 767	.8	8 174	.9	2 638	1.2	98
203	Cyclic hydrocarbons	255	—	S	S	246	.1	482
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	863	.2	1 190	.1	603	.3	291
205	Organic chemicals, n.e.c.	5 412	1.2	2 577	.3	1 545	.7	404
210	Pharmaceutical products	10 541	2.3	785	—	132	—	395
220	Fertilizers and fertilizer materials	1 212	.3	6 602	.7	3 462	1.6	80
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	2 122	.5	944	.1	466	.2	216
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	1 379	.3	S	S	117	—	306
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	879	.2	584	—	370	.2	213
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	289	—	S	S	S	S	S
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	2 796	.6	810	—	329	.2	180
239	Other chemical products and preparations	2 957	.6	2 003	.2	907	.4	227
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	4 930	1.1	2 459	.3	1 651	.8	396
242	Manmade fibers and plastics basic shapes and articles	9 137	2.0	3 260	.3	1 608	.7	245

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	7 177	1.6	2 111	.2	1 326	.6	223
250	Logs and other wood in the rough	1 795	.4	57 314	6.0	4 974	2.3	72
261	Wood chips or particles	443	.1	12 150	1.3	S	S	70
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	5 969	1.3	14 840	1.6	4 016	1.8	159
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	2 421	.5	5 102	.5	2 219	1.0	173
264	Builders' joinery and carpentry of wood, except shingles and shakes	1 084	.2	428	—	120	—	122
269	Other wood products	1 386	.3	2 946	.3	790	.4	234
271	Pulp of fibrous cellulosic materials	2 070	.5	5 285	.6	3 445	1.6	360
272	Newsprint in large rolls or sheets	722	.2	1 501	.2	839	.4	S
273	Uncoated paper and paperboard in large rolls or sheets	5 254	1.1	10 191	1.1	6 861	3.1	158
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	3 049	.7	3 450	.4	2 217	1.0	246
280	Paper or paperboard articles	5 353	1.2	4 150	.4	1 230	.6	285
291	Printed books, brochures, leaflets, and similar printed products	7 437	1.6	959	.1	519	.2	681
292	Newspapers, journals, and periodicals	2 607	.6	1 571	.2	458	.2	S
293	Advertising material, commercial or trade catalogues, and similar printed products	2 267	.5	1 140	.1	416	.2	297
299	Other printed products	3 816	.8	703	—	533	.2	501
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	6 878	1.5	1 957	.2	915	.4	539
302	Textile clothing and accessories, and headgear, except safety	18 941	4.1	1 376	.1	917	.4	758
303	Textiles and textile articles, n.e.c.	7 925	1.7	1 379	.1	804	.4	665
304	Footwear	1 558	.3	85	—	57	—	871
305	Leather and articles, luggage of related materials, and dressed furskins and articles	576	.1	46	—	26	—	545
311	Hydraulic cements	742	.2	20 293	2.1	1 106	.5	51
312	Ceramic products	1 244	.3	S	S	1 083	.5	237
313	Glass and glass products	2 716	.6	2 487	.3	1 186	.5	207
319	Other nonmetallic mineral products	3 691	.8	48 924	5.2	3 905	1.8	57
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	1 476	.3	1 754	.2	683	.3	167
322	Flat-rolled products of iron or steel	4 996	1.1	10 412	1.1	3 995	1.8	188
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	4 971	1.1	7 673	.8	2 733	1.2	186
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	11 485	2.5	5 240	.6	3 674	1.7	414
331	Pipes, tubes, and fittings	5 684	1.2	4 928	.5	3 492	1.6	265
332	Structures and parts, except prefabricated buildings	2 921	.6	1 823	.2	701	.3	301
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	3 576	.8	732	—	394	.2	434
339	Other articles of metal	3 026	.7	1 367	.1	623	.3	293
341	Internal-combustion piston engines	S	S	717	—	369	.2	278
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	630	.1	41	—	25	—	452
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	3 920	.9	719	—	472	.2	320
344	Air-conditioning, refrigerating, or freezing equipment	4 401	1.0	743	—	414	.2	189
345	Materials-handling, excavating, boring, and related machinery and equipment	4 083	.9	820	—	469	.2	331
349	Other machinery	11 073	2.4	1 323	.1	680	.3	283
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	3 277	.7	859	—	488	.2	306
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	2 207	.5	431	—	303	.1	587
353	Line telephone or telegraph apparatus	1 435	.3	57	—	33	—	649
354	Electronic entertainment products, except parts	5 190	1.1	346	—	281	.1	837
355	Computer and office equipment	5 502	1.2	129	—	94	—	553
356	Prepared unrecorded or prerecorded media	1 546	.3	148	—	84	—	864
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	297	—	7	—	S	S	1 075
358	Electronic components and parts	3 113	.7	108	—	51	—	742
359	Other electronic and electrical equipment	12 187	2.7	2 046	.2	1 046	.5	253
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	29 702	6.5	3 077	.3	1 543	.7	259
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	4 574	1.0	792	—	576	.3	218
363	Other vehicles	5 840	1.3	1 343	.1	596	.3	265
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	19 336	4.2	4 003	.4	1 902	.9	178
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	432	—	265	—	221	.1	837
372	Aircraft and spacecraft	1 592	.3	19	—	15	—	656
373	Ships, boats, and floating structures	1 535	.3	129	—	92	—	582
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	S	S	S	S	635
382	Photographic and photocopying machines	S	S	S	S	1	—	585
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	S	S	—	—	—	—	495
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	1 777	.4	36	—	17	—	510
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	858	.2	23	—	12	—	386

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7 958	1.7	2 173	.2	1 278	.6	458
401	Arms and ammunition	387	—	23	—	20	—	518
402	Toys, games, and sporting equipment	1 058	.2	181	—	113	—	632
409	Miscellaneous manufactured products	20 657	4.5	7 357	.8	3 136	1.4	535
411	Metallic waste and scrap	1 819	.4	9 815	1.0	2 000	.9	134
412	Nonmetallic waste and scrap, except from food processing	207	—	2 160	.2	S	S	230
439	Mixed freight	17 040	3.7	6 734	.7	1 238	.6	120
—	Commodity unknown	1 877	.4	S	S	S	S	252

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 160, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	457 310	100.0	949 807	100.0	219 191	100.0	282
Single modes	395 542	86.5	879 408	92.6	192 065	87.6	179
Truck ¹	363 061	79.4	651 856	68.6	87 421	39.9	155
For-hire truck	228 892	50.1	301 186	31.7	60 929	27.8	479
Private truck	131 699	28.8	346 265	36.5	25 546	11.7	62
Rail	20 947	4.6	150 078	15.8	76 303	34.8	714
Water	5 770	1.3	69 068	7.3	27 624	12.6	165
Shallow draft	4 605	1.0	62 954	6.6	25 269	11.5	163
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	260
Air (includes truck and air)	4 277	.9	96	—	120	—	1 029
Pipeline ²	1 489	.3	8 310	.9	S	S	S
Multiple modes	38 299	8.4	24 144	2.5	20 257	9.2	603
Parcel, U.S. Postal Service or courier	24 821	5.4	1 197	.1	601	.3	601
Truck and rail	12 592	2.8	5 767	.6	3 933	1.8	1 053
Truck and water	360	—	9 111	1.0	4 910	2.2	S
Rail and water	S	S	S	S	S	S	352
Other multiple modes	S	S	S	S	S	S	1 694
Other and unknown modes	23 469	5.1	46 255	4.9	6 869	3.1	S
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	859	100.0	803	100.0	402	100.0	409
Single modes	858	99.9	803	100.0	402	100.0	403
Truck ¹	858	99.9	803	100.0	402	100.0	403
For-hire truck	666	77.6	528	65.7	362	90.0	647
Private truck	192	22.3	S	S	40	10.0	207
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	436
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	436
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	378
SCTG 02, CEREAL GRAINS							
Total	1 323	100.0	11 306	100.0	3 965	100.0	S
Single modes	1 275	96.4	11 048	97.7	3 862	97.4	S
Truck ¹	638	48.2	5 235	46.3	481	12.1	38
For-hire truck	S	S	S	S	239	6.0	99
Private truck	294	22.2	2 232	19.7	220	5.6	S
Rail	213	16.1	2 042	18.1	1 068	26.9	493
Water	425	32.1	3 771	33.4	2 313	58.3	571
Shallow draft	425	32.1	3 771	33.4	2 313	58.3	571
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	572
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	377
Truck and rail	S	S	S	S	S	S	963
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	4 240	100.0	9 575	100.0	4 168	100.0	78
Single modes	3 893	91.8	7 712	80.5	3 702	88.8	64
Truck ¹	3 267	77.1	5 364	56.0	S	S	62
For-hire truck	1 351	31.9	S	S	S	S	480
Private truck	1 902	44.9	3 043	31.8	268	6.4	45
Rail	S	S	S	S	S	S	723
Water	S	S	S	S	S	S	297
Shallow draft	S	S	S	S	S	S	297
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	86	2.0	S	S	S	S	817
Parcel, U.S. Postal Service or courier	S	S	2	—	S	S	822
Truck and rail	S	S	S	S	S	S	560
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	20
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	4 546	100.0	16 365	100.0	2 345	100.0	S
Single modes	4 179	91.9	15 559	95.1	2 235	95.3	26
Truck ¹	3 769	82.9	13 578	83.0	1 320	56.3	26
For-hire truck	980	21.5	3 224	19.7	670	28.6	245
Private truck	2 771	61.0	10 270	62.8	641	27.3	22
Rail	298	6.6	1 254	7.7	372	15.9	348
Water	S	S	S	S	S	S	739
Shallow draft	S	S	S	S	S	S	739
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	485
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	1 669
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	178	3.9	S	S	S	S	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	11 490	100.0	5 767	100.0	2 321	100.0	148
Single modes	11 289	98.3	5 651	98.0	2 270	97.8	148
Truck ¹	11 269	98.1	5 636	97.7	2 240	96.5	147
For-hire truck	6 254	54.4	3 177	55.1	1 697	73.1	570
Private truck	4 945	43.0	2 402	41.7	529	22.8	96
Rail	S	S	S	S	S	S	284
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	2 727
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	526
Truck and rail	S	S	S	S	S	S	917
Truck and water	S	S	S	S	S	S	7 079
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	195	1.7	113	2.0	S	S	84

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	5 874	100.0	5 387	100.0	2 499	100.0	107
Single modes	5 769	98.2	5 285	98.1	2 404	96.2	102
Truck ¹	5 580	95.0	4 733	87.9	1 831	73.3	101
For-hire truck	2 543	43.3	2 279	42.3	1 155	46.2	419
Private truck	3 037	51.7	2 454	45.6	676	27.1	84
Rail	189	3.2	552	10.2	572	22.9	1 073
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	38	.6	49	.9	74	2.9	703
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	650
Truck and rail	S	S	48	.9	73	2.9	1 562
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	19 669	100.0	26 464	100.0	7 935	100.0	105
Single modes	19 222	97.7	25 966	98.1	7 550	95.1	84
Truck ¹	17 987	91.4	21 843	82.5	4 420	55.7	81
For-hire truck	6 363	32.4	7 353	27.8	2 849	35.9	562
Private truck	11 431	58.1	13 887	52.5	1 505	19.0	47
Rail	1 025	5.2	3 167	12.0	2 245	28.3	1 112
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	808
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	321	1.6	S	S	356	4.5	628
Parcel, U.S. Postal Service or courier	40	.2	5	—	2	—	617
Truck and rail	281	1.4	S	S	354	4.5	998
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	125	.6	S	S	S	S	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	5 013	100.0	3 242	100.0	937	100.0	32
Single modes	4 757	94.9	3 009	92.8	713	76.1	30
Truck ¹	4 586	91.5	2 962	91.4	642	68.5	29
For-hire truck	1 949	38.9	918	28.3	590	62.9	423
Private truck	2 637	52.6	2 044	63.1	52	5.6	23
Rail	171	3.4	47	1.5	71	7.6	1 505
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	—	—	—	—	668
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	205	4.1	S	S	S	S	1 168
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	991
Truck and rail	200	4.0	S	S	S	S	1 169
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	5 028
Other and unknown modes	S	S	S	S	S	S	39

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	8 140	100.0	424	100.0	185	100.0	227
Single modes	8 051	98.9	419	98.9	181	98.0	174
Truck ¹	8 050	98.9	419	98.9	181	97.9	174
For-hire truck	6 022	74.0	225	53.2	152	82.2	545
Private truck	1 925	23.6	188	44.4	27	14.4	98
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 816
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	64	.8	4	.8	S	S	899
Parcel, U.S. Postal Service or courier	64	.8	4	.8	S	S	899
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	31
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	S	S	S	S	138	100.0	282
Single modes	S	S	S	S	130	94.4	281
Truck ¹	S	S	S	S	109	79.1	265
For-hire truck	S	S	176	23.7	S	S	790
Private truck	S	S	S	S	S	S	S
Rail	S	S	S	S	S	S	548
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	4 616
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	362
SCTG 11, NATURAL SANDS							
Total	178	100.0	29 368	100.0	3 671	100.0	55
Single modes	173	97.4	28 420	96.8	3 348	91.2	55
Truck ¹	155	87.4	S	S	S	S	54
For-hire truck	98	55.1	S	S	S	S	S
Private truck	58	32.3	10 378	35.3	393	10.7	24
Rail	S	S	S	S	S	S	409
Water	S	S	S	S	S	S	121
Shallow draft	S	S	S	S	S	S	121
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	2 770
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	2 770
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	4	2.3	S	S	S	S	31

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	1 144	100.0	169 492	100.0	11 070	100.0	49
Single modes	1 130	98.8	166 428	98.2	10 916	98.6	50
Truck ¹	1 046	91.5	153 655	90.7	5 987	54.1	48
For-hire truck	436	38.1	66 239	39.1	1 904	17.2	24
Private truck	603	52.7	85 578	50.5	3 993	36.1	65
Rail	28	2.4	3 092	1.8	1 112	10.0	387
Water	55	4.8	9 680	5.7	3 817	34.5	236
Shallow draft	55	4.8	9 680	5.7	3 817	34.5	236
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2	.2	545	.3	S	S	142
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	58
Rail and water	S	S	S	S	S	S	184
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	S	S	7 819	100.0	2 374	100.0	537
Single modes	S	S	7 765	99.3	2 313	97.4	517
Truck ¹	S	S	5 360	68.6	743	31.3	507
For-hire truck	227	20.1	2 094	26.8	558	23.5	290
Private truck	S	S	S	S	185	7.8	562
Rail	122	10.8	2 177	27.8	1 567	66.0	739
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	390
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	S	S	21	.3	33	1.4	884
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	866
Truck and rail	3	.2	17	.2	S	S	1 678
Truck and water	S	S	S	S	S	S	691
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	3	—	5	.2	1 805
Other and unknown modes	S	S	32	.4	28	1.2	544
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	607	100.0	5 900	100.0	798	100.0	116
Single modes	498	82.0	5 637	95.5	S	S	95
Truck ¹	406	66.9	5 268	89.3	S	S	94
For-hire truck	237	39.0	5 004	84.8	S	S	92
Private truck	157	25.8	260	4.4	29	3.7	102
Rail	S	S	369	6.3	121	15.2	246
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	73	12.0	S	S	S	S	610
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	606
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	768
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	437

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	5 931	100.0	224 855	100.0	64 225	100.0	118
Single modes	4 978	83.9	178 560	79.4	52 843	82.3	S
Truck ¹	1 677	28.3	61 039	27.1	2 280	3.5	38
For-hire truck	1 517	25.6	51 979	23.1	1 982	3.1	38
Private truck	S	S	S	S	S	S	S
Rail	2 808	47.3	96 792	43.0	42 088	65.5	464
Water	492	8.3	20 728	9.2	S	S	418
Shallow draft	492	8.3	20 728	9.2	S	S	418
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	389	6.6	15 683	7.0	10 133	15.8	528
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	S
Truck and water	196	3.3	8 382	3.7	4 513	7.0	527
Rail and water	S	S	S	S	S	S	381
Other multiple modes	S	S	S	S	S	S	1 395
Other and unknown modes	565	9.5	30 613	13.6	1 248	1.9	132
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	13 369	100.0	55 883	100.0	5 388	100.0	32
Single modes	13 346	99.8	55 781	99.8	5 380	99.9	32
Truck ¹	10 347	77.4	39 294	70.3	1 594	29.6	32
For-hire truck	2 027	15.2	8 739	15.6	478	8.9	53
Private truck	8 297	62.1	30 485	54.6	1 111	20.6	29
Rail	S	S	S	S	S	S	8
Water	2 019	15.1	11 236	20.1	3 280	60.9	250
Shallow draft	1 351	10.1	7 826	14.0	1 740	32.3	205
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	433
Air (includes truck and air)	S	S	S	S	S	S	532
Pipeline ²	980	7.3	5 251	9.4	S	S	S
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	26
SCTG 18, FUEL OILS							
Total	4 757	100.0	23 435	100.0	S	S	28
Single modes	4 489	94.4	21 690	92.6	2 190	29.2	27
Truck ¹	3 383	71.1	15 123	64.5	691	9.2	27
For-hire truck	837	17.6	4 309	18.4	291	3.9	52
Private truck	2 533	53.2	10 748	45.9	397	5.3	24
Rail	S	S	S	S	S	S	134
Water	977	20.5	5 757	24.6	1 416	18.9	80
Shallow draft	S	S	S	S	S	S	62
Great Lakes	—	—	—	—	—	—	—
Deep draft	281	5.9	1 856	7.9	S	S	191
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	1 639
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	42
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	3 117
Other and unknown modes	8	.2	45	.2	S	S	25

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	3 116	100.0	14 406	100.0	2 878	100.0	75
Single modes	3 001	96.3	12 833	89.1	2 843	98.8	73
Truck ¹	2 434	78.1	9 424	65.4	1 209	42.0	67
For-hire truck	1 001	32.1	4 660	32.3	950	33.0	310
Private truck	1 430	45.9	4 750	33.0	256	8.9	33
Rail	315	10.1	1 859	12.9	1 318	45.8	716
Water	201	6.5	S	S	316	11.0	226
Shallow draft	S	S	S	S	S	S	77
Great Lakes	—	—	—	—	—	—	—
Deep draft	146	4.7	587	4.1	220	7.7	412
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	17	.5	9	—	17	.6	S
Parcel, U.S. Postal Service or courier	12	.4	S	S	S	S	269
Truck and rail	4	.1	7	—	16	.6	2 308
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 20, BASIC CHEMICALS							
Total	10 989	100.0	16 993	100.0	7 107	100.0	291
Single modes	9 667	88.0	16 432	96.7	6 674	93.9	212
Truck ¹	6 891	62.7	7 401	43.6	2 359	33.2	191
For-hire truck	5 916	53.8	4 689	27.6	1 901	26.8	516
Private truck	974	8.9	2 712	16.0	457	6.4	120
Rail	2 226	20.3	6 290	37.0	3 484	49.0	545
Water	S	S	S	S	S	S	495
Shallow draft	S	S	S	S	S	S	518
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	85
Air (includes truck and air)	S	S	S	S	S	S	1 325
Pipeline ²	215	2.0	1 140	6.7	S	S	S
Multiple modes	769	7.0	98	.6	137	1.9	399
Parcel, U.S. Postal Service or courier	537	4.9	S	S	S	S	396
Truck and rail	232	2.1	85	.5	131	1.8	1 662
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	10 541	100.0	785	100.0	132	100.0	395
Single modes	7 459	70.8	720	91.6	95	72.2	173
Truck ¹	7 364	69.9	717	91.3	93	70.7	163
For-hire truck	2 332	22.1	169	21.5	60	45.7	287
Private truck	5 032	47.7	S	S	33	25.0	137
Rail	S	S	S	S	S	S	104
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 890
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 664	25.3	35	4.5	15	11.2	563
Parcel, U.S. Postal Service or courier	2 664	25.3	35	4.4	14	10.6	563
Truck and rail	S	S	S	S	S	S	1 972
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	418	4.0	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	1 212	100.0	6 602	100.0	3 462	100.0	80
Single modes	1 050	86.6	5 739	86.9	1 384	40.0	85
Truck ¹	895	73.9	4 533	68.7	1 010	29.2	82
For-hire truck	367	30.3	S	S	S	S	419
Private truck	526	43.4	2 724	41.3	338	9.8	42
Rail	98	8.1	706	10.7	367	10.6	520
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	697
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	697
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	10 423	100.0	4 646	100.0	2 191	100.0	227
Single modes	9 547	91.6	4 443	95.6	2 061	94.1	201
Truck ¹	8 458	81.1	3 913	84.2	1 744	79.6	197
For-hire truck	5 180	49.7	2 604	56.0	1 550	70.7	559
Private truck	3 266	31.3	1 305	28.1	189	8.6	105
Rail	S	S	S	S	S	S	646
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	1	—	S	S	989
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	468	4.5	59	1.3	60	2.7	387
Parcel, U.S. Postal Service or courier	270	2.6	25	.5	10	.5	385
Truck and rail	190	1.8	S	S	38	1.7	1 094
Truck and water	S	S	S	S	S	S	7 309
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	4 504
Other and unknown modes	408	3.9	144	3.1	S	S	S
SCTG 24, PLASTICS AND RUBBER							
Total	21 244	100.0	7 830	100.0	4 585	100.0	247
Single modes	19 360	91.1	7 582	96.8	4 386	95.7	201
Truck ¹	18 084	85.1	6 702	85.6	3 593	78.4	192
For-hire truck	13 717	64.6	5 080	64.9	3 234	70.5	541
Private truck	4 266	20.1	1 523	19.5	349	7.6	70
Rail	1 224	5.8	873	11.2	786	17.2	1 149
Water	S	S	S	S	S	S	144
Shallow draft	S	S	S	S	S	S	144
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	48	.2	S	S	6	.1	916
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 490	7.0	114	1.5	79	1.7	483
Parcel, U.S. Postal Service or courier	477	2.2	24	.3	13	.3	481
Truck and rail	S	S	84	1.1	61	1.3	742
Truck and water	S	S	S	S	S	S	7 274
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	706
Other and unknown modes	393	1.9	133	1.7	119	2.6	S

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	1 795	100.0	57 314	100.0	4 974	100.0	72
Single modes	1 671	93.1	56 301	98.2	4 793	96.4	68
Truck ¹	1 522	84.8	52 360	91.4	2 599	52.3	65
For-hire truck	654	36.4	15 778	27.5	994	20.0	S
Private truck	868	48.3	36 582	63.8	1 604	32.3	52
Rail	149	8.3	S	S	S	S	254
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	552
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	552
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	56	3.1	698	1.2	43	.9	S
SCTG 26, WOOD PRODUCTS							
Total	11 304	100.0	35 467	100.0	8 971	100.0	158
Single modes	10 936	96.7	34 790	98.1	8 689	96.9	139
Truck ¹	9 887	87.5	28 181	79.5	5 547	61.8	133
For-hire truck	4 886	43.2	13 074	36.9	3 643	40.6	335
Private truck	4 889	43.2	14 771	41.6	1 760	19.6	78
Rail	908	8.0	3 681	10.4	2 051	22.9	623
Water	S	S	S	S	S	S	200
Shallow draft	S	S	S	S	S	S	200
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	861
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	99	.9	99	.3	93	1.0	540
Parcel, U.S. Postal Service or courier	30	.3	4	—	2	—	532
Truck and rail	70	.6	95	.3	91	1.0	960
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	268	2.4	578	1.6	188	2.1	108
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	11 094	100.0	20 427	100.0	13 362	100.0	183
Single modes	10 643	95.9	19 419	95.1	12 701	95.1	179
Truck ¹	6 726	60.6	10 130	49.6	4 851	36.3	144
For-hire truck	5 302	47.8	8 331	40.8	4 523	33.9	444
Private truck	1 398	12.6	1 778	8.7	319	2.4	44
Rail	3 868	34.9	9 160	44.8	7 841	58.7	845
Water	S	S	S	S	S	S	267
Shallow draft	S	S	S	S	S	S	267
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	721
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	243	2.2	663	3.2	533	4.0	298
Parcel, U.S. Postal Service or courier	26	.2	6	—	1	—	230
Truck and rail	190	1.7	596	2.9	501	3.7	899
Truck and water	S	S	S	S	S	S	828
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	209	1.9	346	1.7	127	1.0	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	5 353	100.0	4 150	100.0	1 230	100.0	285
Single modes	4 997	93.3	4 050	97.6	1 171	95.2	124
Truck ¹	4 943	92.3	4 028	97.1	1 153	93.7	99
For-hire truck	2 984	55.7	2 427	58.5	909	73.9	280
Private truck	1 960	36.6	1 601	38.6	244	19.8	57
Rail	43	.8	S	S	S	S	863
Water	S	S	S	S	S	S	32
Shallow draft	S	S	S	S	S	S	32
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	1	—	1	—	1 245
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	254	4.8	37	.9	36	2.9	656
Parcel, U.S. Postal Service or courier	229	4.3	21	.5	10	.8	655
Truck and rail	S	S	S	S	S	S	1 547
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	102	1.9	62	1.5	23	1.9	S
SCTG 29, PRINTED PRODUCTS							
Total	16 126	100.0	4 373	100.0	1 927	100.0	275
Single modes	11 552	71.6	3 542	81.0	1 599	83.0	303
Truck ¹	11 434	70.9	3 526	80.6	1 573	81.6	194
For-hire truck	7 926	49.2	2 444	55.9	1 478	76.7	580
Private truck	3 280	20.3	1 061	24.3	94	4.9	S
Rail	13	—	7	.2	17	.9	1 958
Water	S	S	S	S	S	S	14
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	10
Air (includes truck and air)	105	.6	9	.2	9	.5	816
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3 709	23.0	367	8.4	293	15.2	639
Parcel, U.S. Postal Service or courier	3 590	22.3	294	6.7	140	7.3	639
Truck and rail	119	.7	74	1.7	153	8.0	2 117
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	866	5.4	464	10.6	35	1.8	S
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	35 878	100.0	4 843	100.0	2 718	100.0	719
Single modes	32 862	91.6	4 616	95.3	2 538	93.4	707
Truck ¹	32 779	91.4	4 608	95.1	2 529	93.0	703
For-hire truck	23 036	64.2	3 089	63.8	2 201	81.0	832
Private truck	9 607	26.8	1 484	30.6	319	11.7	149
Rail	S	S	S	S	S	S	1 126
Water	S	S	S	S	S	S	41
Shallow draft	S	S	S	S	S	S	41
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	69	.2	5	.1	6	.2	1 129
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 302	6.4	161	3.3	153	5.6	752
Parcel, U.S. Postal Service or courier	2 113	5.9	98	2.0	73	2.7	752
Truck and rail	189	.5	63	1.3	80	2.9	1 308
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	715	2.0	66	1.4	28	1.0	172

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	8 393	100.0	82 022	100.0	7 281	100.0	120
Single modes	7 896	94.1	80 790	98.5	6 778	93.1	92
Truck ¹	7 518	89.6	76 079	92.8	5 205	71.5	88
For-hire truck	4 178	49.8	20 976	25.6	3 639	50.0	333
Private truck	3 340	39.8	55 103	67.2	1 566	21.5	36
Rail	263	3.1	2 531	3.1	1 182	16.2	610
Water	107	1.3	2 176	2.7	386	5.3	S
Shallow draft	107	1.3	2 176	2.7	386	5.3	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	8	—	4	—	4	—	1 072
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	228	2.7	276	.3	161	2.2	630
Parcel, U.S. Postal Service or courier	99	1.2	9	—	4	—	619
Truck and rail	S	S	168	.2	125	1.7	1 442
Truck and water	8	—	S	S	S	S	2 903
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	956	1.2	341	4.7	125
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	22 928	100.0	25 079	100.0	11 085	100.0	241
Single modes	22 106	96.4	24 004	95.7	10 582	95.5	208
Truck ¹	19 530	85.2	19 535	77.9	6 649	60.0	195
For-hire truck	14 399	62.8	13 735	54.8	5 756	51.9	452
Private truck	5 076	22.1	5 739	22.9	881	7.9	103
Rail	2 439	10.6	3 413	13.6	3 473	31.3	1 045
Water	106	.5	S	S	S	S	190
Shallow draft	106	.5	S	S	S	S	190
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	913
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	417	1.8	105	.4	74	.7	406
Parcel, U.S. Postal Service or courier	342	1.5	22	—	9	—	405
Truck and rail	64	.3	33	.1	58	.5	1 806
Truck and water	S	S	S	S	S	S	149
Rail and water	—	—	—	—	—	—	5 387
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	405	1.8	970	3.9	429	3.9	166
SCTG 33, ARTICLES OF BASE METAL							
Total	15 206	100.0	8 850	100.0	5 210	100.0	355
Single modes	13 524	88.9	8 482	95.8	4 958	95.2	212
Truck ¹	12 408	81.6	6 698	75.7	3 024	58.0	201
For-hire truck	8 305	54.6	4 741	53.6	2 537	48.7	592
Private truck	3 943	25.9	1 741	19.7	367	7.0	65
Rail	945	6.2	1 547	17.5	1 578	30.3	1 082
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	49	.3	S	S	S	S	1 025
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 292	8.5	166	1.9	S	S	624
Parcel, U.S. Postal Service or courier	1 185	7.8	56	.6	31	.6	623
Truck and rail	60	.4	16	.2	20	.4	1 264
Truck and water	S	S	S	S	S	S	5 479
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	390	2.6	202	2.3	60	1.1	59

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	31 067	100.0	4 362	100.0	2 428	100.0	282
Single modes	27 131	87.3	4 089	93.7	2 232	91.9	198
Truck ¹	26 207	84.4	3 961	90.8	2 130	87.7	163
For-hire truck	20 471	65.9	3 092	70.9	1 889	77.8	478
Private truck	5 736	18.5	869	19.9	241	9.9	52
Rail	S	S	S	S	S	S	741
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	454	1.5	12	.3	13	.5	1 178
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	2 753	8.9	120	2.7	136	5.6	421
Parcel, U.S. Postal Service or courier	2 582	8.3	73	1.7	38	1.5	420
Truck and rail	165	.5	45	1.0	S	S	1 642
Truck and water	S	S	S	S	S	S	7 406
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 183	3.8	154	3.5	60	2.5	122
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	34 754	100.0	4 131	100.0	2 387	100.0	485
Single modes	29 328	84.4	3 944	95.5	2 246	94.1	244
Truck ¹	27 210	78.3	3 897	94.3	2 157	90.4	199
For-hire truck	22 060	63.5	2 944	71.3	1 856	77.8	604
Private truck	4 487	12.9	855	20.7	220	9.2	47
Rail	S	S	33	.8	76	3.2	2 186
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 930	5.6	14	.3	13	.5	1 078
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	4 255	12.2	92	2.2	93	3.9	753
Parcel, U.S. Postal Service or courier	4 140	11.9	78	1.9	58	2.4	752
Truck and rail	115	.3	14	.3	35	1.5	2 540
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 171	3.4	95	2.3	48	2.0	83
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	59 453	100.0	9 217	100.0	4 618	100.0	191
Single modes	37 163	62.5	6 819	74.0	3 310	71.7	117
Truck ¹	36 327	61.1	6 744	73.2	3 260	70.6	108
For-hire truck	29 908	50.3	5 172	56.1	2 782	60.2	323
Private truck	6 314	10.6	1 552	16.8	470	10.2	46
Rail	S	S	66	.7	41	.9	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	150	.3	9	.1	9	.2	996
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	10 068	16.9	1 091	11.8	1 096	23.7	431
Parcel, U.S. Postal Service or courier	1 055	1.8	62	.7	27	.6	397
Truck and rail	9 009	15.2	1 028	11.2	1 070	23.2	1 035
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	17
Other and unknown modes	12 222	20.6	1 307	14.2	212	4.6	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	3 559	100.0	413	100.0	329	100.0	662
Single modes	2 867	80.5	392	94.9	300	91.0	609
Truck ¹	2 331	65.5	300	72.5	201	61.1	461
For-hire truck	1 632	45.8	233	56.3	155	47.1	633
Private truck	641	18.0	62	15.0	40	12.1	S
Rail	S	S	89	21.4	95	28.8	1 132
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	448	12.6	S	S	S	S	1 140
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	391	11.0	10	2.4	18	5.6	715
Parcel, U.S. Postal Service or courier	386	10.9	S	S	S	S	714
Truck and rail	S	S	6	1.5	S	S	2 480
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	301	8.5	11	2.7	11	3.4	650
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	3 483	100.0	98	100.0	57	100.0	579
Single modes	1 566	44.9	53	53.9	24	43.3	422
Truck ¹	934	26.8	51	51.8	23	40.1	249
For-hire truck	573	16.5	40	40.3	22	38.1	738
Private truck	360	10.3	11	11.5	S	S	85
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	632	18.1	2	2.0	2	3.1	1 035
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	1 705	48.9	20	20.8	14	24.1	606
Parcel, U.S. Postal Service or courier	1 700	48.8	20	20.7	13	23.6	606
Truck and rail	S	S	S	S	S	S	2 472
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	284
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	7 958	100.0	2 173	100.0	1 278	100.0	458
Single modes	7 709	96.9	2 122	97.7	1 222	95.6	446
Truck ¹	7 672	96.4	2 119	97.5	1 215	95.1	436
For-hire truck	4 143	52.1	1 030	47.4	703	55.0	786
Private truck	3 341	42.0	1 036	47.7	469	36.7	187
Rail	21	.3	3	.2	6	.5	2 168
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	15	.2	—	—	—	—	1 010
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	107	1.3	18	.8	25	2.0	733
Parcel, U.S. Postal Service or courier	78	1.0	8	.4	6	.5	726
Truck and rail	29	.4	10	.4	S	S	1 841
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	143	1.8	33	1.5	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	22 102	100.0	7 561	100.0	3 269	100.0	541
Single modes	18 655	84.4	7 277	96.3	3 043	93.1	375
Truck ¹	18 407	83.3	7 181	95.0	2 982	91.2	233
For-hire truck	10 625	48.1	4 300	56.9	2 073	63.4	618
Private truck	7 647	34.6	2 507	33.2	627	19.2	72
Rail	S	S	42	.6	51	1.6	1 237
Water	S	S	S	S	S	S	68
Shallow draft	S	S	S	S	S	S	68
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	169	.8	4	—	6	.2	1 250
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 909	13.2	179	2.4	171	5.2	694
Parcel, U.S. Postal Service or courier	2 812	12.7	154	2.0	122	3.7	693
Truck and rail	S	S	25	.3	S	S	2 164
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	539	2.4	104	1.4	55	1.7	168
SCTG 41, WASTE AND SCRAP							
Total	2 026	100.0	11 974	100.0	2 682	100.0	152
Single modes	1 968	97.2	11 690	97.6	2 581	96.2	156
Truck ¹	1 262	62.3	6 872	57.4	914	34.1	128
For-hire truck	758	37.4	4 112	34.3	708	26.4	182
Private truck	503	24.8	2 761	23.1	207	7.7	72
Rail	573	28.3	4 009	33.5	1 366	50.9	332
Water	110	5.4	747	6.2	301	11.2	401
Shallow draft	110	5.4	747	6.2	301	11.2	401
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 909
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	1 495
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 067
Truck and rail	S	S	S	S	S	S	2 082
Truck and water	S	S	S	S	S	S	462
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	35	1.7	222	1.9	S	S	S
SCTG 43, MIXED FREIGHT							
Total	17 040	100.0	6 734	100.0	1 238	100.0	120
Single modes	16 309	95.7	6 516	96.8	1 155	93.3	104
Truck ¹	16 306	95.7	6 515	96.8	1 154	93.3	102
For-hire truck	6 058	35.6	2 003	29.7	539	43.5	337
Private truck	10 248	60.1	4 513	67.0	616	49.8	81
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 192
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	109	.6	S	S	S	S	610
Parcel, U.S. Postal Service or courier	66	.4	6	—	4	.3	604
Truck and rail	S	S	S	S	S	S	1 529
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	1 877	100.0	S	S	S	S	252
Single modes	1 468	78.2	S	S	S	S	242
Truck ¹	1 444	76.9	S	S	S	S	234
For-hire truck	595	31.7	S	S	155	4.0	353
Private truck	S	S	S	S	S	S	214
Rail	S	S	S	S	S	S	527
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	5	.3	—	—	—	—	810
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	256
Parcel, U.S. Postal Service or courier	128	6.8	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	876
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	106	5.6	29	.2	16	.4	308

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	457 310	949 807	219 191
Less than 50 miles	102 550	476 712	10 419
50 to 99 miles	39 853	120 249	12 917
100 to 249 miles	77 985	142 837	37 845
250 to 499 miles	106 795	125 476	66 372
500 to 749 miles	65 740	58 570	51 162
750 to 999 miles	26 320	13 458	14 497
1,000 to 1,499 miles	11 447	4 053	5 893
1,500 to 1,999 miles	23 091	6 713	15 257
2,000 miles or more	3 529	1 742	4 829
SCTG 01, Live animals and live fish	859	803	402
Less than 50 miles	157	S	S
50 to 99 miles	S	S	S
100 to 249 miles	51	43	9
250 to 499 miles	137	160	S
500 to 749 miles	S	S	S
750 to 999 miles	203	127	126
1,000 to 1,499 miles	21	13	16
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	1 323	11 306	3 965
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	115	933	260
250 to 499 miles	175	1 557	831
500 to 749 miles	320	2 812	2 645
750 to 999 miles	—	—	—
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 03, Other agricultural products	4 240	9 575	4 168
Less than 50 miles	1 131	S	S
50 to 99 miles	428	602	53
100 to 249 miles	663	803	149
250 to 499 miles	917	2 115	S
500 to 749 miles	689	2 695	2 413
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	354	202	396
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	4 546	16 365	2 345
Less than 50 miles	2 777	10 063	264
50 to 99 miles	474	1 858	173
100 to 249 miles	595	2 404	498
250 to 499 miles	351	961	437
500 to 749 miles	242	S	S
750 to 999 miles	27	62	66
1,000 to 1,499 miles	S	9	11
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	11 490	5 767	2 321
Less than 50 miles	2 018	997	28
50 to 99 miles	1 376	741	72
100 to 249 miles	2 946	1 663	341
250 to 499 miles	2 280	1 090	484
500 to 749 miles	1 671	735	537
750 to 999 miles	623	240	244
1,000 to 1,499 miles	176	78	110
1,500 to 1,999 miles	323	165	345
2,000 miles or more	75	58	160
SCTG 06, Milled grain products and preparations, and bakery products	5 874	5 387	2 499
Less than 50 miles	1 144	1 040	22
50 to 99 miles	600	707	69
100 to 249 miles	976	1 035	210
250 to 499 miles	1 478	1 095	496
500 to 749 miles	879	733	545
750 to 999 miles	360	353	388
1,000 to 1,499 miles	159	194	275
1,500 to 1,999 miles	276	229	493
2,000 miles or more	S	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	19 669	26 464	7 935
Less than 50 miles	6 048	8 207	181
50 to 99 miles	3 388	4 836	465
100 to 249 miles	3 828	5 765	1 193
250 to 499 miles	3 071	3 947	2 001
500 to 749 miles	1 822	2 465	2 108
750 to 999 miles	786	711	768
1,000 to 1,499 miles	79	70	96
1,500 to 1,999 miles	599	435	S
2,000 miles or more	49	29	71

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	5 013	3 242	937
Less than 50 miles	2 564	2 000	38
50 to 99 miles	285	102	9
100 to 249 miles	319	124	25
250 to 499 miles	896	521	241
500 to 749 miles	390	134	100
750 to 999 miles	250	243	255
1,000 to 1,499 miles	54	12	18
1,500 to 1,999 miles	234	97	220
2,000 miles or more	21	9	S
SCTG 09, Tobacco products	8 140	424	185
Less than 50 miles	1 473	120	3
50 to 99 miles	577	36	3
100 to 249 miles	781	61	13
250 to 499 miles	2 773	117	57
500 to 749 miles	1 199	46	33
750 to 999 miles	S	15	14
1,000 to 1,499 miles	S	4	5
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	S	S	138
Less than 50 miles	S	S	S
50 to 99 miles	S	15	2
100 to 249 miles	7	59	11
250 to 499 miles	S	99	46
500 to 749 miles	S	39	28
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	178	29 368	3 671
Less than 50 miles	72	12 803	303
50 to 99 miles	S	S	S
100 to 249 miles	13	S	S
250 to 499 miles	60	1 522	599
500 to 749 miles	S	5	4
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 12, Gravel and crushed stone	1 144	169 492	11 070
Less than 50 miles	811	132 832	2 105
50 to 99 miles	107	17 767	1 578
100 to 249 miles	85	12 867	3 231
250 to 499 miles	28	3 486	1 705
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	S	7 819	2 374
Less than 50 miles	100	S	88
50 to 99 miles	S	372	38
100 to 249 miles	S	1 076	231
250 to 499 miles	136	1 350	702
500 to 749 miles	80	901	748
750 to 999 miles	27	376	410
1,000 to 1,499 miles	S	47	64
1,500 to 1,999 miles	15	39	86
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	607	5 900	798
Less than 50 miles	106	2 852	S
50 to 99 miles	99	S	S
100 to 249 miles	148	S	428
250 to 499 miles	166	160	95
500 to 749 miles	59	31	23
750 to 999 miles	25	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	5 931	224 855	64 225
Less than 50 miles	2 570	100 162	2 936
50 to 99 miles	497	20 704	3 714
100 to 249 miles	1 188	41 920	14 485
250 to 499 miles	1 256	45 396	25 260
500 to 749 miles	412	16 578	17 557
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	13 369	55 883	5 388
Less than 50 miles	8 192	30 767	620
50 to 99 miles	2 479	10 694	1 033
100 to 249 miles	2 004	10 868	1 990
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	4 757	23 435	S
Less than 50 miles	2 930	13 132	256
50 to 99 miles	608	3 246	306
100 to 249 miles	732	3 944	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	3 116	14 406	2 878
Less than 50 miles	1 161	7 382	113
50 to 99 miles	622	2 345	213
100 to 249 miles	373	1 534	274
250 to 499 miles	503	1 797	913
500 to 749 miles	253	918	728
750 to 999 miles	133	238	249
1,000 to 1,499 miles	29	59	83
1,500 to 1,999 miles	43	133	303
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	10 989	16 993	7 107
Less than 50 miles	1 667	3 692	94
50 to 99 miles	597	1 381	138
100 to 249 miles	1 511	3 698	897
250 to 499 miles	2 985	4 882	2 535
500 to 749 miles	2 278	2 056	1 605
750 to 999 miles	1 182	811	878
1,000 to 1,499 miles	266	162	225
1,500 to 1,999 miles	482	301	705
2,000 miles or more	21	10	30
SCTG 21, Pharmaceutical products	10 541	785	132
Less than 50 miles	1 602	S	S
50 to 99 miles	1 257	35	3
100 to 249 miles	4 543	173	27
250 to 499 miles	1 663	S	19
500 to 749 miles	787	19	14
750 to 999 miles	355	S	S
1,000 to 1,499 miles	134	11	S
1,500 to 1,999 miles	193	S	S
2,000 miles or more	S	—	1
SCTG 22, Fertilizers	1 212	6 602	3 462
Less than 50 miles	434	2 409	52
50 to 99 miles	107	665	64
100 to 249 miles	205	1 038	227
250 to 499 miles	182	1 036	462
500 to 749 miles	113	574	425
750 to 999 miles	26	126	126
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	10 423	4 646	2 191
Less than 50 miles	2 471	1 028	24
50 to 99 miles	908	390	40
100 to 249 miles	1 549	720	153
250 to 499 miles	2 900	1 402	684
500 to 749 miles	1 280	523	387
750 to 999 miles	555	257	271
1,000 to 1,499 miles	218	76	100
1,500 to 1,999 miles	509	236	491
2,000 miles or more	S	13	41
SCTG 24, Plastics and rubber	21 244	7 830	4 585
Less than 50 miles	2 824	1 002	20
50 to 99 miles	1 318	486	49
100 to 249 miles	3 124	1 165	259
250 to 499 miles	6 360	2 053	970
500 to 749 miles	4 050	1 656	1 236
750 to 999 miles	1 871	864	902
1,000 to 1,499 miles	596	221	318
1,500 to 1,999 miles	998	347	740
2,000 miles or more	103	35	91

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	1 795	57 314	4 974
Less than 50 miles	962	39 345	1 103
50 to 99 miles	358	13 308	1 181
100 to 249 miles	152	2 564	444
250 to 499 miles	128	273	134
500 to 749 miles	S	S	S
750 to 999 miles	49	S	S
1,000 to 1,499 miles	31	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	11 304	35 467	8 971
Less than 50 miles	2 906	10 442	291
50 to 99 miles	1 705	8 708	801
100 to 249 miles	2 576	8 796	2 299
250 to 499 miles	1 786	3 760	1 740
500 to 749 miles	1 257	2 246	1 740
750 to 999 miles	591	960	1 013
1,000 to 1,499 miles	188	244	356
1,500 to 1,999 miles	233	238	543
2,000 miles or more	62	73	189
SCTG 27, Pulp, newsprint, paper, and paperboard	11 094	20 427	13 362
Less than 50 miles	1 432	1 625	36
50 to 99 miles	876	1 642	161
100 to 249 miles	1 541	3 674	925
250 to 499 miles	2 700	5 074	2 699
500 to 749 miles	2 274	3 969	3 224
750 to 999 miles	1 314	2 851	3 141
1,000 to 1,499 miles	392	718	1 067
1,500 to 1,999 miles	514	789	1 869
2,000 miles or more	51	85	239
SCTG 28, Paper or paperboard articles	5 353	4 150	1 230
Less than 50 miles	1 585	1 468	36
50 to 99 miles	598	597	54
100 to 249 miles	980	836	169
250 to 499 miles	926	588	261
500 to 749 miles	721	369	273
750 to 999 miles	221	120	121
1,000 to 1,499 miles	128	86	124
1,500 to 1,999 miles	151	65	140
2,000 miles or more	43	21	53
SCTG 29, Printed products	16 126	4 373	1 927
Less than 50 miles	4 204	1 573	27
50 to 99 miles	528	120	10
100 to 249 miles	2 580	523	120
250 to 499 miles	3 775	930	414
500 to 749 miles	2 891	718	535
750 to 999 miles	718	192	187
1,000 to 1,499 miles	307	77	103
1,500 to 1,999 miles	1 035	220	480
2,000 miles or more	88	20	50
SCTG 30, Textiles, leather, and articles of textiles or leather	35 878	4 843	2 718
Less than 50 miles	5 108	819	20
50 to 99 miles	2 841	416	38
100 to 249 miles	4 881	786	167
250 to 499 miles	7 566	1 183	528
500 to 749 miles	5 990	715	530
750 to 999 miles	2 934	349	353
1,000 to 1,499 miles	1 425	173	235
1,500 to 1,999 miles	4 838	382	793
2,000 miles or more	296	21	54
SCTG 31, Nonmetallic mineral products	8 393	82 022	7 281
Less than 50 miles	2 828	61 422	1 118
50 to 99 miles	840	6 619	646
100 to 249 miles	1 584	8 027	1 732
250 to 499 miles	1 627	3 954	1 837
500 to 749 miles	975	1 441	1 075
750 to 999 miles	201	259	261
1,000 to 1,499 miles	89	120	171
1,500 to 1,999 miles	S	110	251
2,000 miles or more	84	70	189
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	22 928	25 079	11 085
Less than 50 miles	3 369	4 856	112
50 to 99 miles	1 775	2 328	217
100 to 249 miles	4 772	6 224	1 453
250 to 499 miles	6 641	6 349	3 058
500 to 749 miles	3 399	3 341	2 509
750 to 999 miles	999	619	620
1,000 to 1,499 miles	597	310	454
1,500 to 1,999 miles	1 151	952	2 372
2,000 miles or more	S	S	S

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	15 206	8 850	5 210
Less than 50 miles	2 846	1 285	28
50 to 99 miles	1 009	530	50
100 to 249 miles	2 458	1 704	377
250 to 499 miles	3 492	1 862	837
500 to 749 miles	3 054	2 079	1 584
750 to 999 miles	1 165	738	917
1,000 to 1,499 miles	304	173	248
1,500 to 1,999 miles	723	366	861
2,000 miles or more	154	S	S
SCTG 34, Machinery	31 067	4 362	2 428
Less than 50 miles	5 078	670	13
50 to 99 miles	1 823	243	22
100 to 249 miles	4 079	604	127
250 to 499 miles	10 644	1 389	668
500 to 749 miles	5 114	861	642
750 to 999 miles	2 082	265	267
1,000 to 1,499 miles	788	88	126
1,500 to 1,999 miles	1 173	189	418
2,000 miles or more	287	53	145
SCTG 35, Electronic and other electrical equipment and components and office equipment	34 754	4 131	2 387
Less than 50 miles	4 925	664	14
50 to 99 miles	1 597	217	19
100 to 249 miles	5 417	634	128
250 to 499 miles	8 548	1 181	522
500 to 749 miles	6 030	645	477
750 to 999 miles	3 116	312	316
1,000 to 1,499 miles	2 109	165	222
1,500 to 1,999 miles	2 411	280	602
2,000 miles or more	S	33	86
SCTG 36, Motorized and other vehicles (including parts)	59 453	9 217	4 618
Less than 50 miles	15 000	2 193	40
50 to 99 miles	2 494	535	50
100 to 249 miles	6 465	1 324	292
250 to 499 miles	18 096	2 718	1 276
500 to 749 miles	8 576	1 268	983
750 to 999 miles	3 100	422	440
1,000 to 1,499 miles	1 941	254	369
1,500 to 1,999 miles	3 409	429	981
2,000 miles or more	372	74	187
SCTG 37, Transportation equipment, n.e.c.	3 559	413	329
Less than 50 miles	S	8	—
50 to 99 miles	S	S	S
100 to 249 miles	561	49	11
250 to 499 miles	1 001	122	59
500 to 749 miles	880	154	114
750 to 999 miles	293	16	15
1,000 to 1,499 miles	129	S	S
1,500 to 1,999 miles	202	26	60
2,000 miles or more	334	14	38
SCTG 38, Precision instruments and apparatus	3 483	98	57
Less than 50 miles	323	8	—
50 to 99 miles	202	5	—
100 to 249 miles	638	18	4
250 to 499 miles	811	28	12
500 to 749 miles	756	19	14
750 to 999 miles	349	7	7
1,000 to 1,499 miles	166	9	11
1,500 to 1,999 miles	209	3	6
2,000 miles or more	29	—	1
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7 958	2 173	1 278
Less than 50 miles	1 338	324	7
50 to 99 miles	299	86	8
100 to 249 miles	909	249	54
250 to 499 miles	1 948	580	279
500 to 749 miles	2 059	552	392
750 to 999 miles	745	199	203
1,000 to 1,499 miles	272	96	130
1,500 to 1,999 miles	291	63	139
2,000 miles or more	97	23	65
SCTG 40, Miscellaneous manufactured products	22 102	7 561	3 269
Less than 50 miles	3 521	1 322	37
50 to 99 miles	2 443	902	86
100 to 249 miles	4 091	1 740	361
250 to 499 miles	5 143	1 834	817
500 to 749 miles	3 319	866	633
750 to 999 miles	1 281	343	350
1,000 to 1,499 miles	566	284	399
1,500 to 1,999 miles	1 479	227	476
2,000 miles or more	259	43	112

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	2 026	11 974	2 682
Less than 50 miles	525	3 721	86
50 to 99 miles	219	1 704	175
100 to 249 miles	589	3 686	850
250 to 499 miles	562	2 553	1 299
500 to 749 miles	92	235	165
750 to 999 miles	18	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	17 040	6 734	1 238
Less than 50 miles	3 355	1 666	55
50 to 99 miles	3 840	1 600	154
100 to 249 miles	6 771	2 651	518
250 to 499 miles	1 857	533	214
500 to 749 miles	772	194	146
750 to 999 miles	184	32	33
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	117	36	78
2,000 miles or more	74	5	12
Commodity unknown	1 877	S	S
Less than 50 miles	S	843	12
50 to 99 miles	S	154	14
100 to 249 miles	S	492	109
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	50	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	49	18	37
2,000 miles or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	457 310	949 807	219 191
Less than 50 lb	27 373	938	315
50 to 99 lb	9 347	888	192
100 to 499 lb	31 504	5 172	1 039
500 to 749 lb	10 736	2 507	493
750 to 999 lb	7 933	2 011	423
1,000 to 9,999 lb	125 683	41 362	10 452
10,000 to 49,999 lb	191 469	302 969	59 683
50,000 to 99,999 lb	21 374	225 352	21 880
100,000 lb or more	31 892	368 609	124 716
SCTG 01, Live animals and live fish	859	803	402
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	33	18	3
10,000 to 49,999 lb	627	601	307
50,000 to 99,999 lb	S	158	S
100,000 lb or more	32	24	S
SCTG 02, Cereal grains	1 323	11 306	3 965
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	4	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	23	79	4
10,000 to 49,999 lb	107	647	114
50,000 to 99,999 lb	S	S	330
100,000 lb or more	746	6 800	3 516
SCTG 03, Other agricultural products	4 240	9 575	4 168
Less than 50 lb	50	S	1
50 to 99 lb	82	32	1
100 to 499 lb	306	158	9
500 to 749 lb	156	90	5
750 to 999 lb	75	64	5
1,000 to 9,999 lb	826	771	91
10,000 to 49,999 lb	1 379	2 165	501
50,000 to 99,999 lb	113	371	104
100,000 lb or more	1 252	5 908	3 451
SCTG 04, Animal feed and products of animal origin, n.e.c.	4 546	16 365	2 345
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	507	1 160	75
10,000 to 49,999 lb	1 971	7 584	973
50,000 to 99,999 lb	709	3 398	286
100,000 lb or more	511	3 261	S
SCTG 05, Meat, fish, seafood, and their preparations	11 490	5 767	2 321
Less than 50 lb	49	8	1
50 to 99 lb	80	16	1
100 to 499 lb	502	156	16
500 to 749 lb	309	128	15
750 to 999 lb	194	88	12
1,000 to 9,999 lb	2 532	1 007	289
10,000 to 49,999 lb	7 259	3 962	1 806
50,000 to 99,999 lb	S	240	107
100,000 lb or more	S	163	S
SCTG 06, Milled grain products and preparations, and bakery products	5 874	5 387	2 499
Less than 50 lb	S	S	S
50 to 99 lb	97	63	3
100 to 499 lb	S	149	9
500 to 749 lb	164	82	7
750 to 999 lb	109	72	9
1,000 to 9,999 lb	1 330	897	256
10,000 to 49,999 lb	3 505	3 204	1 583
50,000 to 99,999 lb	107	319	47
100,000 lb or more	183	590	583
SCTG 07, Other prepared foodstuffs and fats and oils	19 669	26 464	7 935
Less than 50 lb	100	26	3
50 to 99 lb	124	61	4
100 to 499 lb	946	619	37
500 to 749 lb	636	392	36
750 to 999 lb	496	294	22
1,000 to 9,999 lb	4 622	4 235	495
10,000 to 49,999 lb	10 649	14 431	4 295
50,000 to 99,999 lb	616	1 756	330
100,000 lb or more	1 480	4 650	2 714

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	5 013	3 242	937
Less than 50 lb	37	8	—
50 to 99 lb	54	18	—
100 to 499 lb	468	292	7
500 to 749 lb	278	196	5
750 to 999 lb	218	166	4
1,000 to 9,999 lb	1 644	1 227	40
10,000 to 49,999 lb	2 210	1 108	729
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	8 140	424	185
Less than 50 lb	233	7	1
50 to 99 lb	192	7	2
100 to 499 lb	918	49	12
500 to 749 lb	355	23	5
750 to 999 lb	292	17	5
1,000 to 9,999 lb	1 546	68	29
10,000 to 49,999 lb	4 560	218	130
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	S	S	138
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	16	S
10,000 to 49,999 lb	S	220	52
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	43
SCTG 11, Natural sands	178	29 368	3 671
Less than 50 lb	—	—	—
50 to 99 lb	S	S	S
100 to 499 lb	S	S	—
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	30	201	5
10,000 to 49,999 lb	70	3 309	141
50,000 to 99,999 lb	36	S	S
100,000 lb or more	40	11 444	2 607
SCTG 12, Gravel and crushed stone	1 144	169 492	11 070
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	—	11	S
1,000 to 9,999 lb	S	757	22
10,000 to 49,999 lb	603	96 679	3 419
50,000 to 99,999 lb	291	47 523	2 053
100,000 lb or more	140	24 502	5 567
SCTG 13, Nonmetallic minerals n.e.c.	S	7 819	2 374
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	7	5	1
500 to 749 lb	S	S	—
750 to 999 lb	1	2	S
1,000 to 9,999 lb	39	97	S
10,000 to 49,999 lb	S	1 842	562
50,000 to 99,999 lb	45	1 381	177
100,000 lb or more	145	4 479	1 607
SCTG 14, Metallic ores and concentrates	607	5 900	798
Less than 50 lb	S	—	S
50 to 99 lb	S	S	S
100 to 499 lb	S	1	S
500 to 749 lb	2	S	—
750 to 999 lb	S	S	S
1,000 to 9,999 lb	36	21	6
10,000 to 49,999 lb	301	S	S
50,000 to 99,999 lb	35	673	12
100,000 lb or more	187	807	324
SCTG 15, Coal	5 931	224 855	64 225
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	1
10,000 to 49,999 lb	32	565	S
50,000 to 99,999 lb	1 106	39 841	5 488
100,000 lb or more	4 669	184 431	58 651

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	13 369	55 883	5 388
Less than 50 lb	1	1	—
50 to 99 lb	—	2	—
100 to 499 lb	S	15	S
500 to 749 lb	S	10	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	1 020	2 048	50
10,000 to 49,999 lb	2 101	8 060	296
50,000 to 99,999 lb	6 947	27 096	1 226
100,000 lb or more	3 268	18 639	3 815
SCTG 18, Fuel oils	4 757	23 435	S
Less than 50 lb	S	S	S
50 to 99 lb	—	1	—
100 to 499 lb	S	25	—
500 to 749 lb	13	40	1
750 to 999 lb	18	47	1
1,000 to 9,999 lb	753	2 259	47
10,000 to 49,999 lb	821	3 735	177
50,000 to 99,999 lb	1 720	8 720	460
100,000 lb or more	1 417	8 609	S
SCTG 19, Coal and petroleum products, n.e.c.	3 116	14 406	2 878
Less than 50 lb	28	6	—
50 to 99 lb	32	8	—
100 to 499 lb	177	95	4
500 to 749 lb	31	32	2
750 to 999 lb	37	40	2
1,000 to 9,999 lb	605	750	S
10,000 to 49,999 lb	1 033	4 103	777
50,000 to 99,999 lb	552	3 104	340
100,000 lb or more	622	6 269	1 669
SCTG 20, Basic chemicals	10 989	16 993	7 107
Less than 50 lb	454	11	4
50 to 99 lb	154	13	S
100 to 499 lb	209	97	8
500 to 749 lb	70	54	4
750 to 999 lb	39	44	5
1,000 to 9,999 lb	1 149	526	117
10,000 to 49,999 lb	5 878	6 477	2 341
50,000 to 99,999 lb	210	556	132
100,000 lb or more	2 826	9 214	4 490
SCTG 21, Pharmaceutical products	10 541	785	132
Less than 50 lb	4 386	48	12
50 to 99 lb	912	15	3
100 to 499 lb	2 505	56	15
500 to 749 lb	262	13	5
750 to 999 lb	342	14	6
1,000 to 9,999 lb	879	51	17
10,000 to 49,999 lb	S	177	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	1 212	6 602	3 462
Less than 50 lb	1	S	S
50 to 99 lb	S	7	S
100 to 499 lb	17	22	S
500 to 749 lb	13	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	167	514	22
10,000 to 49,999 lb	538	2 773	771
50,000 to 99,999 lb	97	658	94
100,000 lb or more	364	2 598	S
SCTG 23, Chemical products and preparations, n.e.c.	10 423	4 646	2 191
Less than 50 lb	614	27	6
50 to 99 lb	195	23	5
100 to 499 lb	1 127	148	43
500 to 749 lb	375	76	21
750 to 999 lb	219	56	24
1,000 to 9,999 lb	2 017	651	245
10,000 to 49,999 lb	4 640	2 934	1 488
50,000 to 99,999 lb	65	S	S
100,000 lb or more	S	573	S
SCTG 24, Plastics and rubber	21 244	7 830	4 585
Less than 50 lb	699	30	6
50 to 99 lb	396	32	7
100 to 499 lb	1 362	198	44
500 to 749 lb	535	90	24
750 to 999 lb	293	67	22
1,000 to 9,999 lb	4 879	1 655	666
10,000 to 49,999 lb	11 950	4 832	3 061
50,000 to 99,999 lb	130	108	87
100,000 lb or more	1 000	818	668

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	1 795	57 314	4 974
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	—	1	S
1,000 to 9,999 lb	61	S	38
10,000 to 49,999 lb	670	11 679	871
50,000 to 99,999 lb	660	25 012	1 411
100,000 lb or more	396	S	S
SCTG 26, Wood products	11 304	35 467	8 971
Less than 50 lb	89	9	1
50 to 99 lb	69	13	1
100 to 499 lb	341	93	10
500 to 749 lb	163	55	8
750 to 999 lb	113	45	6
1,000 to 9,999 lb	1 522	1 221	153
10,000 to 49,999 lb	6 521	15 622	4 281
50,000 to 99,999 lb	1 250	10 369	1 225
100,000 lb or more	1 236	8 041	3 286
SCTG 27, Pulp, newsprint, paper, and paperboard	11 094	20 427	13 362
Less than 50 lb	66	9	1
50 to 99 lb	49	13	1
100 to 499 lb	245	88	7
500 to 749 lb	78	38	3
750 to 999 lb	97	43	5
1,000 to 9,999 lb	962	642	119
10,000 to 49,999 lb	5 279	8 261	4 803
50,000 to 99,999 lb	550	1 855	543
100,000 lb or more	3 768	9 477	7 880
SCTG 28, Paper or paperboard articles	5 353	4 150	1 230
Less than 50 lb	254	20	7
50 to 99 lb	103	21	3
100 to 499 lb	327	107	12
500 to 749 lb	120	49	6
750 to 999 lb	150	51	6
1,000 to 9,999 lb	1 438	1 090	168
10,000 to 49,999 lb	2 910	2 602	1 008
50,000 to 99,999 lb	17	68	6
100,000 lb or more	S	S	15
SCTG 29, Printed products	16 126	4 373	1 927
Less than 50 lb	2 356	155	79
50 to 99 lb	1 070	77	34
100 to 499 lb	3 003	468	112
500 to 749 lb	609	132	27
750 to 999 lb	494	89	21
1,000 to 9,999 lb	5 218	1 314	427
10,000 to 49,999 lb	3 337	2 095	1 192
50,000 to 99,999 lb	35	29	10
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	35 878	4 843	2 718
Less than 50 lb	1 876	75	56
50 to 99 lb	791	40	29
100 to 499 lb	2 560	172	115
500 to 749 lb	765	72	44
750 to 999 lb	803	76	40
1,000 to 9,999 lb	11 691	1 337	731
10,000 to 49,999 lb	17 267	2 985	1 661
50,000 to 99,999 lb	94	S	32
100,000 lb or more	S	43	9
SCTG 31, Nonmetallic mineral products	8 393	82 022	7 281
Less than 50 lb	167	14	2
50 to 99 lb	82	14	2
100 to 499 lb	263	77	14
500 to 749 lb	81	31	8
750 to 999 lb	82	36	7
1,000 to 9,999 lb	1 097	2 225	225
10,000 to 49,999 lb	4 965	40 104	3 651
50,000 to 99,999 lb	1 108	17 895	1 379
100,000 lb or more	548	21 628	1 992
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	22 928	25 079	11 085
Less than 50 lb	341	17	4
50 to 99 lb	157	19	4
100 to 499 lb	761	194	35
500 to 749 lb	288	105	22
750 to 999 lb	280	95	21
1,000 to 9,999 lb	3 192	2 177	480
10,000 to 49,999 lb	14 272	15 664	6 013
50,000 to 99,999 lb	1 038	1 814	628
100,000 lb or more	2 600	4 994	3 879

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	15 206	8 850	5 210
Less than 50 lb	1 083	42	14
50 to 99 lb	381	32	9
100 to 499 lb	1 657	220	65
500 to 749 lb	574	102	43
750 to 999 lb	378	89	34
1,000 to 9,999 lb	4 082	1 559	651
10,000 to 49,999 lb	5 621	4 372	2 126
50,000 to 99,999 lb	302	387	S
100,000 lb or more	1 128	2 047	2 091
SCTG 34, Machinery	31 067	4 362	2 428
Less than 50 lb	3 016	67	18
50 to 99 lb	904	40	11
100 to 499 lb	2 745	222	69
500 to 749 lb	967	93	39
750 to 999 lb	752	81	39
1,000 to 9,999 lb	6 699	930	532
10,000 to 49,999 lb	15 237	2 741	1 592
50,000 to 99,999 lb	669	149	106
100,000 lb or more	77	40	22
SCTG 35, Electronic and other electrical equipment and components and office equipment	34 754	4 131	2 387
Less than 50 lb	4 356	69	29
50 to 99 lb	1 267	37	12
100 to 499 lb	4 206	172	75
500 to 749 lb	1 449	69	38
750 to 999 lb	841	49	23
1,000 to 9,999 lb	9 219	852	507
10,000 to 49,999 lb	13 267	2 851	1 686
50,000 to 99,999 lb	132	13	11
100,000 lb or more	17	19	6
SCTG 36, Motorized and other vehicles (including parts)	59 453	9 217	4 618
Less than 50 lb	1 763	94	18
50 to 99 lb	428	42	8
100 to 499 lb	1 230	133	42
500 to 749 lb	557	59	23
750 to 999 lb	359	43	21
1,000 to 9,999 lb	37 016	4 325	2 129
10,000 to 49,999 lb	17 164	4 151	2 254
50,000 to 99,999 lb	715	168	S
100,000 lb or more	222	S	S
SCTG 37, Transportation equipment, n.e.c.	3 559	413	329
Less than 50 lb	443	2	1
50 to 99 lb	126	S	1
100 to 499 lb	308	S	S
500 to 749 lb	95	1	1
750 to 999 lb	48	1	1
1,000 to 9,999 lb	1 579	108	77
10,000 to 49,999 lb	681	188	140
50,000 to 99,999 lb	S	S	13
100,000 lb or more	145	80	90
SCTG 38, Precision instruments and apparatus	3 483	98	57
Less than 50 lb	1 847	10	5
50 to 99 lb	346	2	2
100 to 499 lb	527	19	8
500 to 749 lb	S	4	3
750 to 999 lb	33	3	2
1,000 to 9,999 lb	427	40	27
10,000 to 49,999 lb	105	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7 958	2 173	1 278
Less than 50 lb	151	12	3
50 to 99 lb	149	19	8
100 to 499 lb	854	131	75
500 to 749 lb	347	59	32
750 to 999 lb	334	66	35
1,000 to 9,999 lb	4 047	1 052	621
10,000 to 49,999 lb	1 982	757	445
50,000 to 99,999 lb	36	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	22 102	7 561	3 269
Less than 50 lb	2 596	80	36
50 to 99 lb	754	49	21
100 to 499 lb	2 184	240	143
500 to 749 lb	813	82	41
750 to 999 lb	414	57	31
1,000 to 9,999 lb	5 195	1 236	598
10,000 to 49,999 lb	9 549	4 882	1 960
50,000 to 99,999 lb	295	586	236
100,000 lb or more	302	348	204

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	2 026	11 974	2 682
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	2	2	S
500 to 749 lb	S	S	S
750 to 999 lb	1	2	S
1,000 to 9,999 lb	45	51	S
10,000 to 49,999 lb	973	4 546	687
50,000 to 99,999 lb	173	1 389	165
100,000 lb or more	831	5 983	1 820
SCTG 43, Mixed freight	17 040	6 734	1 238
Less than 50 lb	152	19	2
50 to 99 lb	138	25	2
100 to 499 lb	705	197	22
500 to 749 lb	262	92	15
750 to 999 lb	273	56	7
1,000 to 9,999 lb	7 000	1 835	343
10,000 to 49,999 lb	8 316	4 364	824
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	1 877	S	S
Less than 50 lb	59	3	1
50 to 99 lb	46	2	—
100 to 499 lb	109	21	5
500 to 749 lb	11	3	1
750 to 999 lb	S	S	S
1,000 to 9,999 lb	393	97	27
10,000 to 49,999 lb	S	1 067	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	53

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	457 310	949 807	219 191	282	102 550	476 712	10 419	39 853	120 249	12 917
Less than 50 lb	27 373	938	315	331	6 772	425	8	2 375	82	8
50 to 99 lb	9 347	888	192	214	2 664	552	11	859	75	7
100 to 499 lb	31 504	5 172	1 039	193	10 352	3 193	64	3 072	523	48
500 to 749 lb	10 736	2 507	493	196	3 097	1 445	29	1 000	275	25
750 to 999 lb	7 933	2 011	423	208	2 333	1 103	24	830	234	21
1,000 to 9,999 lb	125 683	41 362	10 452	236	32 946	20 893	415	9 264	4 144	384
10,000 to 49,999 lb	191 469	302 969	59 683	204	28 253	171 568	3 037	16 158	30 197	2 844
50,000 to 99,999 lb	21 374	225 352	21 880	92	11 370	137 449	3 177	3 927	48 304	4 242
100,000 lb or more	31 892	368 609	124 716	357	4 764	140 083	3 655	2 367	36 416	5 338
SCTG 01, Live animals and live fish	859	803	402	409	157	S	S	S	S	S
Less than 50 lb	S	S	S	471	S	S	S	S	S	S
50 to 99 lb	S	S	S	105	S	S	S	S	S	S
100 to 499 lb	S	S	S	47	S	S	—	S	S	S
500 to 749 lb	S	S	S	48	S	S	S	S	S	S
750 to 999 lb	S	S	S	24	S	S	S	S	S	S
1,000 to 9,999 lb	33	18	3	109	S	12	S	2	2	—
10,000 to 49,999 lb	627	601	307	485	91	S	S	S	S	S
50,000 to 99,999 lb	S	158	S	511	S	S	S	—	—	—
100,000 lb or more	32	24	S	376	S	S	S	—	—	—
SCTG 02, Cereal grains	1 323	11 306	3 965	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	77	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	4	S	S	36	S	S	S	S	S	S
750 to 999 lb	S	S	S	30	S	S	S	—	—	—
1,000 to 9,999 lb	23	79	4	38	16	60	1	S	S	S
10,000 to 49,999 lb	107	647	114	151	22	187	4	S	211	S
50,000 to 99,999 lb	S	S	330	92	223	1 888	S	S	S	S
100,000 lb or more	746	6 800	3 516	432	S	S	S	S	S	S
SCTG 03, Other agricultural products	4 240	9 575	4 168	78	1 131	S	S	428	602	53
Less than 50 lb	50	S	1	S	S	S	S	S	S	S
50 to 99 lb	82	32	1	S	46	28	S	S	S	S
100 to 499 lb	306	158	9	56	206	128	3	41	21	2
500 to 749 lb	156	90	5	S	116	77	S	12	6	1
750 to 999 lb	75	64	5	76	33	31	S	34	28	3
1,000 to 9,999 lb	826	771	91	102	360	360	8	172	179	15
10,000 to 49,999 lb	1 379	2 165	501	211	254	S	S	113	199	17
50,000 to 99,999 lb	113	371	104	S	S	S	S	S	S	S
100,000 lb or more	1 252	5 908	3 451	590	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	4 546	16 365	2 345	S	2 777	10 063	264	474	1 858	173
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	19	S	S	S	9	S	—
500 to 749 lb	S	S	S	S	S	S	S	S	1	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	507	1 160	75	54	387	908	19	36	S	9
10,000 to 49,999 lb	1 971	7 584	973	116	963	4 416	122	S	1 040	96
50,000 to 99,999 lb	709	3 398	286	83	536	2 656	73	75	311	27
100,000 lb or more	511	3 261	S	314	74	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	11 490	5 767	2 321	148	2 018	997	28	1 376	741	72
Less than 50 lb	49	8	1	72	37	5	—	7	S	—
50 to 99 lb	80	16	1	69	49	9	—	22	5	—
100 to 499 lb	502	156	16	93	265	76	2	138	48	5
500 to 749 lb	309	128	15	120	122	46	1	98	40	4
750 to 999 lb	194	88	12	137	99	46	1	20	10	1
1,000 to 9,999 lb	2 532	1 007	289	250	506	233	6	319	152	15
10,000 to 49,999 lb	7 259	3 962	1 806	445	920	571	18	705	434	42
50,000 to 99,999 lb	S	240	107	472	S	S	S	S	S	S
100,000 lb or more	S	163	S	835	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	5 874	5 387	2 499	107	1 144	1 040	22	600	707	69
Less than 50 lb	S	S	S	S	13	S	—	S	S	S
50 to 99 lb	97	63	3	56	74	50	2	S	S	S
100 to 499 lb	S	149	9	60	S	94	2	S	S	S
500 to 749 lb	164	82	7	88	S	37	1	39	23	2
750 to 999 lb	109	72	9	129	33	19	1	34	24	2
1,000 to 9,999 lb	1 330	897	256	219	257	204	5	200	165	15
10,000 to 49,999 lb	3 505	3 204	1 583	477	373	514	10	227	349	34
50,000 to 99,999 lb	107	319	47	140	27	95	2	32	88	9
100,000 lb or more	183	590	583	1 033	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	19 669	26 464	7 935	105	6 048	8 207	181	3 388	4 836	465
Less than 50 lb	100	26	3	199	57	20	—	8	1	—
50 to 99 lb	124	61	4	S	94	55	1	7	2	—
100 to 499 lb	946	619	37	50	640	508	11	117	52	5
500 to 749 lb	636	392	36	92	358	265	5	85	44	4
750 to 999 lb	496	294	22	76	322	212	4	56	34	3
1,000 to 9,999 lb	4 622	4 235	495	100	2 000	2 621	55	746	629	62
10,000 to 49,999 lb	10 649	14 431	4 295	261	2 098	3 500	81	2 097	3 363	315
50,000 to 99,999 lb	616	1 756	330	183	211	481	12	158	430	39
100,000 lb or more	1 480	4 650	2 714	507	268	545	11	113	280	36
SCTG 08, Alcoholic beverages	5 013	3 242	937	32	2 564	2 000	38	285	102	9
Less than 50 lb	37	8	—	27	34	8	—	3	1	—
50 to 99 lb	54	18	—	26	50	17	—	2	1	—
100 to 499 lb	468	292	7	25	426	277	6	36	14	1
500 to 749 lb	278	196	5	25	249	184	4	25	10	1
750 to 999 lb	218	166	4	24	202	160	3	13	5	—
1,000 to 9,999 lb	1 644	1 227	40	27	1 369	1 147	22	137	44	4
10,000 to 49,999 lb	2 210	1 108	729	522	221	175	3	68	28	S
50,000 to 99,999 lb	S	S	S	515	S	S	S	—	—	—
100,000 lb or more	S	S	S	714	S	S	S	—	—	—
SCTG 09, Tobacco products	8 140	424	185	227	1 473	120	3	577	36	3
Less than 50 lb	233	7	1	205	129	4	—	57	2	—
50 to 99 lb	192	7	2	208	110	4	—	27	1	S
100 to 499 lb	918	49	12	231	403	21	1	130	8	1
500 to 749 lb	355	23	5	214	97	8	—	95	5	—
750 to 999 lb	292	17	5	284	S	S	—	S	5	S
1,000 to 9,999 lb	1 546	68	29	489	117	8	—	109	7	1
10,000 to 49,999 lb	4 560	218	130	578	S	S	S	46	8	1
50,000 to 99,999 lb	S	S	S	2	S	S	S	—	—	—
100,000 lb or more	S	S	S	22	S	S	S	—	—	—
SCTG 10, Monumental or building stone	S	S	138	282	S	S	S	S	15	2
Less than 50 lb	S	S	S	20	S	S	S	—	—	—
50 to 99 lb	S	S	S	119	S	S	S	—	—	—
100 to 499 lb	S	S	S	363	S	S	S	—	—	—
500 to 749 lb	S	S	S	1 011	S	S	S	S	S	S
750 to 999 lb	S	S	S	225	S	S	S	—	—	—
1,000 to 9,999 lb	S	16	S	440	S	S	—	S	S	S
10,000 to 49,999 lb	S	220	52	240	S	S	S	S	11	1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	43	230	S	S	S	—	—	—
SCTG 11, Natural sands	178	29 368	3 671	55	72	12 803	303	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	11	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	19	S	S	S	—	—	—
750 to 999 lb	S	S	S	444	S	S	S	—	—	—
1,000 to 9,999 lb	30	201	5	25	8	195	3	S	S	S
10,000 to 49,999 lb	70	3 309	141	S	23	2 717	S	S	S	S
50,000 to 99,999 lb	36	S	S	64	22	5 779	136	S	S	S
100,000 lb or more	40	11 444	2 607	106	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	1 144	169 492	11 070	49	811	132 832	2 105	107	17 767	1 578
Less than 50 lb	S	S	S	18	S	S	S	—	—	—
50 to 99 lb	S	S	S	7	S	S	S	—	—	—
100 to 499 lb	S	S	S	803	S	1	S	—	—	—
500 to 749 lb	S	S	S	16	S	S	S	—	—	—
750 to 999 lb	—	11	S	9	—	11	S	—	—	—
1,000 to 9,999 lb	S	757	22	31	S	670	S	S	S	S
10,000 to 49,999 lb	603	96 679	3 419	34	528	86 026	1 182	32	S	S
50,000 to 99,999 lb	291	47 523	2 053	44	211	35 364	701	59	9 575	823
100,000 lb or more	140	24 502	5 567	169	57	10 751	211	15	3 741	327
SCTG 13, Nonmetallic minerals n.e.c.	S	7 819	2 374	537	100	S	88	S	372	38
Less than 50 lb	S	S	S	789	1	S	—	S	S	S
50 to 99 lb	S	S	S	1 052	—	S	S	S	S	S
100 to 499 lb	7	5	1	S	2	S	—	S	S	S
500 to 749 lb	S	S	—	S	S	S	S	S	S	S
750 to 999 lb	1	2	S	74	S	S	S	S	S	S
1,000 to 9,999 lb	39	97	S	178	21	53	1	3	12	1
10,000 to 49,999 lb	S	1 842	562	283	44	574	S	S	206	21
50,000 to 99,999 lb	45	1 381	177	128	4	S	S	7	152	15
100,000 lb or more	145	4 479	1 607	586	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	607	5 900	798	116	106	2 852	S	99	S	S
Less than 50 lb	S	—	S	180	1	—	S	—	—	—
50 to 99 lb	S	S	S	380	S	S	S	—	—	—
100 to 499 lb	S	1	S	S	S	S	S	S	S	S
500 to 749 lb	2	S	—	365	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	36	21	6	281	S	11	S	S	S	S
10,000 to 49,999 lb	301	S	S	S	18	S	S	89	S	S
50,000 to 99,999 lb	35	673	12	S	S	640	5	S	S	S
100,000 lb or more	187	807	324	350	S	S	S	—	—	—
SCTG 15, Coal	5 931	224 855	64 225	118	2 570	100 162	2 936	497	20 704	3 714
Less than 50 lb	S	S	S	79	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	59	S	S	S	S	S	S
500 to 749 lb	S	S	S	514	S	S	S	—	—	—
750 to 999 lb	S	S	S	29	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	1	S	S	S	S	S	S	S
10,000 to 49,999 lb	32	565	S	170	13	343	S	S	S	S
50,000 to 99,999 lb	1 106	39 841	5 488	118	820	28 628	690	40	1 266	122
100,000 lb or more	4 669	184 431	58 651	116	1 638	71 173	2 230	456	19 391	3 589
SCTG 17, Gasoline and aviation turbine fuel	13 369	55 883	5 388	32	8 192	30 767	620	2 479	10 694	1 033
Less than 50 lb	1	1	—	12	1	1	—	—	—	—
50 to 99 lb	—	2	—	8	—	2	—	—	—	—
100 to 499 lb	S	15	S	15	S	15	S	S	S	S
500 to 749 lb	S	10	S	28	S	10	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	1 020	2 048	50	24	913	1 935	39	S	99	9
10,000 to 49,999 lb	2 101	8 060	296	33	1 771	6 733	153	269	1 080	96
50,000 to 99,999 lb	6 947	27 096	1 226	46	5 257	20 030	418	1 416	5 856	529
100,000 lb or more	3 268	18 639	3 815	S	S	S	S	S	S	S
SCTG 18, Fuel oils	4 757	23 435	S	28	2 930	13 132	256	608	3 246	306
Less than 50 lb	S	S	S	18	S	S	S	S	S	S
50 to 99 lb	—	1	—	11	—	1	—	S	S	S
100 to 499 lb	S	25	—	16	S	24	—	S	S	S
500 to 749 lb	13	40	1	17	13	38	1	—	1	—
750 to 999 lb	18	47	1	23	18	47	1	S	S	S
1,000 to 9,999 lb	753	2 259	47	20	744	2 237	44	S	13	1
10,000 to 49,999 lb	821	3 735	177	41	682	3 025	59	90	412	35
50,000 to 99,999 lb	1 720	8 720	460	53	1 304	6 601	137	297	1 426	115
100,000 lb or more	1 417	8 609	S	S	155	1 159	14	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	3 116	14 406	2 878	75	1 161	7 382	113	622	2 345	213
Less than 50 lb	28	6	—	31	24	5	—	2	—	—
50 to 99 lb	32	8	—	44	28	7	—	1	S	S
100 to 499 lb	177	95	4	40	139	81	2	26	10	1
500 to 749 lb	31	32	2	53	26	28	1	2	S	S
750 to 999 lb	37	40	2	52	26	33	S	S	S	S
1,000 to 9,999 lb	605	750	S	107	339	521	11	109	94	8
10,000 to 49,999 lb	1 033	4 103	777	185	299	2 020	43	123	690	61
50,000 to 99,999 lb	552	3 104	340	111	171	1 606	35	S	791	80
100,000 lb or more	622	6 269	1 669	538	S	3 081	22	S	S	S
SCTG 20, Basic chemicals ..	10 989	16 993	7 107	291	1 667	3 692	94	597	1 381	138
Less than 50 lb	454	11	4	351	S	5	—	S	S	S
50 to 99 lb	154	13	S	516	17	6	—	5	—	—
100 to 499 lb	209	97	8	90	69	79	2	21	S	S
500 to 749 lb	70	54	4	84	27	39	1	7	S	S
750 to 999 lb	39	44	5	107	16	32	1	4	2	—
1,000 to 9,999 lb	1 149	526	117	193	199	262	6	48	65	6
10,000 to 49,999 lb	5 878	6 477	2 341	356	739	1 263	35	437	968	93
50,000 to 99,999 lb	210	556	132	233	72	S	6	S	S	S
100,000 lb or more	2 826	9 214	4 490	520	433	1 689	44	33	310	35
SCTG 21, Pharmaceutical products	10 541	785	132	395	1 602	S	S	1 257	35	3
Less than 50 lb	4 386	48	12	407	736	14	—	500	7	1
50 to 99 lb	912	15	3	213	135	4	—	123	3	—
100 to 499 lb	2 505	56	15	271	354	11	—	479	10	1
500 to 749 lb	262	13	5	380	S	4	S	S	2	S
750 to 999 lb	342	14	6	422	S	5	—	10	1	—
1,000 to 9,999 lb	879	51	17	314	114	14	—	119	11	1
10,000 to 49,999 lb	S	177	S	357	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	18	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	1 212	6 602	3 462	80	434	2 409	52	107	665	64
Less than 50 lb	1	S	S	128	S	S	S	S	S	S
50 to 99 lb	S	7	S	28	S	7	S	S	S	S
100 to 499 lb	17	22	S	S	11	19	—	S	1	—
500 to 749 lb	13	S	S	52	S	S	S	S	S	S
750 to 999 lb	S	S	S	102	S	S	S	S	S	S
1,000 to 9,999 lb	167	514	22	51	120	449	7	12	14	1
10,000 to 49,999 lb	538	2 773	771	232	173	1 014	25	43	277	27
50,000 to 99,999 lb	97	658	94	145	40	263	8	19	129	12
100,000 lb or more	364	2 598	S	354	S	S	11	32	244	23
SCTG 23, Chemical products and preparations, n.e.c.	10 423	4 646	2 191	227	2 471	1 028	24	908	390	40
Less than 50 lb	614	27	6	181	234	13	—	111	3	—
50 to 99 lb	195	23	5	216	91	10	—	26	2	—
100 to 499 lb	1 127	148	43	250	480	52	1	158	21	2
500 to 749 lb	375	76	21	278	156	30	1	31	11	1
750 to 999 lb	219	56	24	437	57	14	—	S	7	1
1,000 to 9,999 lb	2 017	651	245	380	573	168	4	217	79	7
10,000 to 49,999 lb	4 640	2 934	1 488	497	812	638	15	303	225	23
50,000 to 99,999 lb	65	S	S	217	27	76	S	S	S	S
100,000 lb or more	S	573	S	571	S	S	S	7	S	6
SCTG 24, Plastics and rubber	21 244	7 830	4 585	247	2 824	1 002	20	1 318	486	49
Less than 50 lb	699	30	6	205	266	17	—	64	3	—
50 to 99 lb	396	32	7	216	146	18	—	42	4	—
100 to 499 lb	1 362	198	44	216	523	98	2	192	29	3
500 to 749 lb	535	90	24	269	146	38	1	43	9	1
750 to 999 lb	293	67	22	326	67	20	1	50	12	1
1,000 to 9,999 lb	4 879	1 655	666	380	922	392	7	467	142	13
10,000 to 49,999 lb	11 950	4 832	3 061	584	740	399	8	423	239	24
50,000 to 99,999 lb	130	108	87	816	S	S	S	S	S	S
100,000 lb or more	1 000	818	668	814	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	1 795	57 314	4 974	72	962	39 345	1 103	358	13 308	1 181
Less than 50 lb	S	S	S	25	S	S	S	—	—	—
50 to 99 lb	S	S	S	44	S	S	S	S	S	S
100 to 499 lb	S	S	S	60	S	S	S	S	S	S
500 to 749 lb	S	S	S	47	S	S	S	S	S	S
750 to 999 lb	—	1	S	891	S	S	S	—	—	—
1,000 to 9,999 lb	61	S	38	S	34	S	S	S	S	S
10,000 to 49,999 lb	670	11 679	871	78	301	7 970	246	83	2 520	219
50,000 to 99,999 lb	660	25 012	1 411	57	387	14 666	407	212	8 837	737
100,000 lb or more	396	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	11 304	35 467	8 971	158	2 906	10 442	291	1 705	8 708	801
Less than 50 lb	89	9	1	165	47	5	—	13	2	—
50 to 99 lb	69	13	1	110	32	7	—	S	S	S
100 to 499 lb	341	93	10	100	181	59	1	69	17	2
500 to 749 lb	163	55	8	133	68	33	1	32	10	1
750 to 999 lb	113	45	6	144	45	24	—	25	9	1
1,000 to 9,999 lb	1 522	1 221	153	124	672	678	14	278	275	26
10,000 to 49,999 lb	6 521	15 622	4 281	255	1 222	4 287	126	954	2 788	271
50,000 to 99,999 lb	1 250	10 369	1 225	118	376	3 030	83	309	5 375	482
100,000 lb or more	1 236	8 041	3 286	488	264	2 318	65	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	11 094	20 427	13 362	183	1 432	1 625	36	876	1 642	161
Less than 50 lb	66	9	1	76	49	7	—	8	1	—
50 to 99 lb	49	13	1	66	33	10	—	6	2	—
100 to 499 lb	245	88	7	73	141	60	1	36	15	1
500 to 749 lb	78	38	3	92	40	26	—	S	6	1
750 to 999 lb	97	43	5	S	54	29	—	15	8	1
1,000 to 9,999 lb	962	642	119	161	444	398	7	72	63	6
10,000 to 49,999 lb	5 279	8 261	4 803	531	540	764	19	253	421	39
50,000 to 99,999 lb	550	1 855	543	267	36	107	S	330	772	73
100,000 lb or more	3 768	9 477	7 880	847	97	224	6	143	354	41
SCTG 28, Paper or paperboard articles	5 353	4 150	1 230	285	1 585	1 468	36	598	597	54
Less than 50 lb	254	20	7	424	68	9	—	14	2	—
50 to 99 lb	103	21	3	135	59	14	—	13	3	—
100 to 499 lb	327	107	12	115	183	68	1	50	20	2
500 to 749 lb	120	49	6	131	57	30	1	23	10	1
750 to 999 lb	150	51	6	110	94	34	1	11	7	1
1,000 to 9,999 lb	1 438	1 090	168	144	666	576	13	240	212	19
10,000 to 49,999 lb	2 910	2 602	1 008	341	450	606	15	242	328	30
50,000 to 99,999 lb	17	68	6	89	S	S	S	S	S	S
100,000 lb or more	S	S	15	131	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	16 126	4 373	1 927	275	4 204	1 573	27	528	120	10
Less than 50 lb	2 356	155	79	273	353	49	1	88	3	—
50 to 99 lb	1 070	77	34	448	211	31	1	21	1	—
100 to 499 lb	3 003	468	112	226	1 167	301	5	101	11	1
500 to 749 lb	609	132	27	203	225	89	1	40	9	1
750 to 999 lb	494	89	21	233	163	53	1	28	7	1
1,000 to 9,999 lb	5 218	1 314	427	290	1 421	626	9	205	69	6
10,000 to 49,999 lb	3 337	2 095	1 192	544	657	419	8	34	14	1
50,000 to 99,999 lb	35	29	10	349	S	S	S	S	S	S
100,000 lb or more	S	S	S	1 378	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	35 878	4 843	2 718	719	5 108	819	20	2 841	416	38
Less than 50 lb	1 876	75	56	747	104	5	—	60	3	—
50 to 99 lb	791	40	29	725	40	3	—	S	S	S
100 to 499 lb	2 560	172	115	653	194	20	—	86	9	1
500 to 749 lb	765	72	44	612	120	15	—	32	4	—
750 to 999 lb	803	76	40	536	S	S	—	11	1	—
1,000 to 9,999 lb	11 691	1 337	731	565	2 042	301	5	674	61	6
10,000 to 49,999 lb	17 267	2 985	1 661	523	2 435	450	13	1 923	327	30
50,000 to 99,999 lb	94	S	32	776	—	—	—	S	S	S
100,000 lb or more	S	43	9	300	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	8 393	82 022	7 281	120	2 828	61 422	1 118	840	6 619	646
Less than 50 lb	167	14	2	158	94	8	—	18	2	—
50 to 99 lb	82	14	2	157	33	7	—	10	2	—
100 to 499 lb	263	77	14	187	109	39	1	40	12	1
500 to 749 lb	81	31	8	275	19	16	—	4	2	S
750 to 999 lb	82	36	7	176	23	21	—	4	2	—
1,000 to 9,999 lb	1 097	2 225	225	117	329	1 706	28	97	139	12
10,000 to 49,999 lb	4 965	40 104	3 651	81	1 533	31 170	488	378	2 356	215
50,000 to 99,999 lb	1 108	17 895	1 379	77	519	12 114	338	198	2 754	263
100,000 lb or more	548	21 628	1 992	S	168	S	S	90	1 350	155
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	22 928	25 079	11 085	241	3 369	4 856	112	1 775	2 328	217
Less than 50 lb	341	17	4	237	103	8	—	33	2	—
50 to 99 lb	157	19	4	224	43	—	—	13	2	—
100 to 499 lb	761	194	35	186	289	112	2	67	23	2
500 to 749 lb	288	105	22	210	88	51	1	29	15	1
750 to 999 lb	280	95	21	222	82	41	1	25	14	1
1,000 to 9,999 lb	3 192	2 177	480	212	897	931	21	350	323	30
10,000 to 49,999 lb	14 272	15 664	6 013	371	1 531	2 692	67	1 148	1 646	152
50,000 to 99,999 lb	1 038	1 814	628	355	195	591	14	77	225	23
100,000 lb or more	2 600	4 994	3 879	873	142	422	5	S	S	S
SCTG 33, Articles of base metal	15 206	8 850	5 210	355	2 846	1 285	28	1 009	530	50
Less than 50 lb	1 083	42	14	361	387	21	—	91	3	—
50 to 99 lb	381	32	9	296	136	15	—	35	3	—
100 to 499 lb	1 657	220	65	288	557	102	2	206	27	2
500 to 749 lb	574	102	43	410	108	33	1	36	7	1
750 to 999 lb	378	89	34	384	73	23	—	31	7	1
1,000 to 9,999 lb	4 082	1 559	651	411	890	384	8	331	161	16
10,000 to 49,999 lb	5 621	4 372	2 126	470	591	539	13	253	261	24
50,000 to 99,999 lb	302	387	S	428	64	94	1	S	21	2
100,000 lb or more	1 128	2 047	2 091	956	40	75	2	S	S	S
SCTG 34, Machinery	31 067	4 362	2 428	282	5 078	670	13	1 823	243	22
Less than 50 lb	3 016	67	18	256	1 072	31	1	292	7	1
50 to 99 lb	904	40	11	259	284	18	—	137	5	—
100 to 499 lb	2 745	222	69	311	959	107	2	282	21	2
500 to 749 lb	967	93	39	407	242	29	1	94	10	1
750 to 999 lb	752	81	39	480	210	24	1	37	5	—
1,000 to 9,999 lb	6 699	930	532	536	851	148	3	228	49	5
10,000 to 49,999 lb	15 237	2 741	1 592	565	1 300	290	5	739	143	13
50,000 to 99,999 lb	669	149	106	735	161	22	S	15	4	S
100,000 lb or more	77	40	22	506	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	34 754	4 131	2 387	485	4 925	664	14	1 597	217	19
Less than 50 lb	4 356	69	29	494	1 057	29	1	350	6	1
50 to 99 lb	1 267	37	12	340	277	18	—	S	4	—
100 to 499 lb	4 206	172	75	450	758	67	1	179	15	1
500 to 749 lb	1 449	69	38	542	155	16	—	53	7	1
750 to 999 lb	841	49	23	458	124	8	—	65	8	1
1,000 to 9,999 lb	9 219	852	507	547	1 181	114	3	461	69	6
10,000 to 49,999 lb	13 267	2 851	1 686	613	1 314	409	9	378	101	9
50,000 to 99,999 lb	132	13	11	823	S	S	S	S	S	S
100,000 lb or more	17	19	6	397	—	—	—	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	59 453	9 217	4 618	191	15 000	2 193	40	2 494	535	50
Less than 50 lb	1 763	94	18	149	796	52	1	246	13	1
50 to 99 lb	428	42	8	209	163	21	—	64	6	1
100 to 499 lb	1 230	133	42	273	343	55	1	133	19	2
500 to 749 lb	557	59	23	386	101	19	1	59	7	1
750 to 999 lb	359	43	21	478	54	9	—	24	5	—
1,000 to 9,999 lb	37 016	4 325	2 129	431	11 590	1 367	16	1 137	191	18
10,000 to 49,999 lb	17 164	4 151	2 254	554	1 548	551	19	736	264	25
50,000 to 99,999 lb	715	168	S	453	S	S	1	S	S	S
100,000 lb or more	222	S	S	228	S	33	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	3 559	413	329	662	S	8	—	S	S	S
Less than 50 lb	443	2	1	622	S	S	S	S	S	S
50 to 99 lb	126	S	1	680	S	S	S	S	S	S
100 to 499 lb	308	S	S	739	S	S	S	S	S	S
500 to 749 lb	95	1	1	287	—	—	—	—	—	—
750 to 999 lb	48	1	1	982	S	S	S	—	—	—
1,000 to 9,999 lb	1 579	108	77	726	41	S	—	S	S	S
10,000 to 49,999 lb	681	188	140	709	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	13	499	S	S	S	—	—	—
100,000 lb or more	145	80	90	1 134	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	3 483	98	57	579	323	8	—	202	5	—
Less than 50 lb	1 847	10	5	584	126	1	—	105	1	—
50 to 99 lb	346	2	2	588	S	S	S	15	—	—
100 to 499 lb	527	19	8	393	S	5	—	S	2	—
500 to 749 lb	S	4	3	753	2	S	S	1	S	S
750 to 999 lb	33	3	2	672	S	S	S	S	S	S
1,000 to 9,999 lb	427	40	27	619	10	1	S	S	S	S
10,000 to 49,999 lb	105	S	S	644	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	180	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7 958	2 173	1 278	458	1 338	324	7	299	86	8
Less than 50 lb	151	12	3	319	80	S	—	3	—	—
50 to 99 lb	149	19	8	415	66	9	—	4	1	—
100 to 499 lb	854	131	75	540	205	28	—	35	5	—
500 to 749 lb	347	59	32	533	67	11	—	17	3	—
750 to 999 lb	334	66	35	526	55	16	—	20	4	—
1,000 to 9,999 lb	4 047	1 052	621	552	634	S	3	170	49	5
10,000 to 49,999 lb	1 982	757	445	615	176	89	3	50	24	2
50,000 to 99,999 lb	36	S	S	1 015	—	—	—	—	—	—
100,000 lb or more	S	S	S	501	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	22 102	7 561	3 269	541	3 521	1 322	37	2 443	902	86
Less than 50 lb	2 596	80	36	556	568	28	1	213	7	1
50 to 99 lb	754	49	21	408	179	17	—	66	7	1
100 to 499 lb	2 184	240	143	562	434	53	1	138	21	2
500 to 749 lb	813	82	41	495	101	17	—	66	12	1
750 to 999 lb	414	57	31	554	53	9	—	22	4	—
1,000 to 9,999 lb	5 195	1 236	598	453	787	212	6	433	135	13
10,000 to 49,999 lb	9 549	4 882	1 960	405	1 367	829	21	S	S	S
50,000 to 99,999 lb	295	586	236	386	23	S	S	21	57	5
100,000 lb or more	302	348	204	794	S	S	S	S	S	S
SCTG 41, Waste and scrap .	2 026	11 974	2 682	152	525	3 721	86	219	1 704	175
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	2	2	S	81	1	S	—	S	S	S
500 to 749 lb	S	S	S	192	S	S	S	—	—	—
750 to 999 lb	1	2	S	70	1	S	—	S	S	S
1,000 to 9,999 lb	45	51	S	135	22	28	—	3	2	—
10,000 to 49,999 lb	973	4 546	687	147	254	1 727	39	159	1 155	109
50,000 to 99,999 lb	173	1 389	165	S	101	824	11	24	214	21
100,000 lb or more	831	5 983	1 820	307	145	1 140	36	32	332	45
SCTG 43, Mixed freight.....	17 040	6 734	1 238	120	3 355	1 666	55	3 840	1 600	154
Less than 50 lb	152	19	2	96	104	14	—	19	2	—
50 to 99 lb	138	25	2	87	88	17	—	19	3	—
100 to 499 lb	705	197	22	110	351	106	2	160	41	4
500 to 749 lb	262	92	15	161	66	30	1	29	8	1
750 to 999 lb	273	56	7	125	48	20	1	S	S	1
1,000 to 9,999 lb	7 000	1 835	343	164	1 247	554	19	1 703	436	42
10,000 to 49,999 lb	8 316	4 364	824	186	1 368	888	30	1 730	1 065	103
50,000 to 99,999 lb	S	S	S	142	S	S	S	S	S	S
100,000 lb or more	S	S	S	222	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	1 877	S	S	252	S	843	12	S	154	14
Less than 50 lb	59	3	1	213	21	S	S	7	—	—
50 to 99 lb	46	2	—	155	9	1	S	S	S	S
100 to 499 lb	109	21	5	225	49	S	S	8	2	—
500 to 749 lb	11	3	1	204	1	1	—	S	S	S
750 to 999 lb	S	S	S	273	S	S	S	S	S	S
1,000 to 9,999 lb	393	97	27	262	S	27	1	S	S	S
10,000 to 49,999 lb	S	1 067	S	331	S	S	S	S	87	S
50,000 to 99,999 lb	S	S	S	317	S	S	S	S	S	S
100,000 lb or more	S	S	53	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	77 985	142 837	37 845	106 795	125 476	66 372	65 740	58 570	51 162	26 320	13 458	14 497
Less than 50 lb	4 956	113	24	4 764	122	56	4 074	97	72	2 102	44	45
50 to 99 lb	1 575	81	16	1 601	72	33	1 220	54	40	637	21	21
100 to 499 lb	4 367	462	90	5 347	424	193	3 887	293	215	1 849	117	119
500 to 749 lb	1 621	323	62	2 029	208	92	1 344	121	89	712	67	66
750 to 999 lb	1 308	269	53	1 458	184	83	1 006	116	85	454	50	51
1,000 to 9,999 lb	20 655	5 454	1 099	29 747	5 227	2 360	16 508	3 100	2 336	6 717	1 141	1 168
10,000 to 49,999 lb	34 104	39 924	8 494	51 831	31 576	14 056	31 255	17 426	12 758	11 462	5 857	5 911
50,000 to 99,999 lb	2 695	19 879	4 315	1 340	S	S	1 081	3 295	2 820	308	305	312
100,000 lb or more	6 704	76 331	23 692	8 678	72 014	43 403	5 364	34 068	32 748	2 080	5 857	6 805
SCTG 01, Live animals and live fish	51	43	9	137	160	S	S	S	S	203	127	126
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	2	1	—	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	34	30	6	114	135	68	175	122	S	179	111	109
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	S	S	S
SCTG 02, Cereal grains	115	933	260	175	1 557	831	320	2 812	2 645	—	—	—
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	2	6	1	S	1	—	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	8	78	37	S	S	S	—	—	—
100,000 lb or more	S	S	S	155	1 423	768	S	S	S	—	—	—
SCTG 03, Other agricultural products	663	803	149	917	2 115	S	689	2 695	2 413	S	S	S
Less than 50 lb	3	1	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	1	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	6	1	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	5	1	S	S	S	S	S	S	—	—	—
750 to 999 lb	7	5	1	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	179	184	37	52	36	14	S	5	4	S	S	S
10,000 to 49,999 lb	247	318	61	378	283	121	238	155	107	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	595	2 404	498	351	961	437	242	S	S	27	62	66
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	1	S	—	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	43	101	19	19	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	317	1 242	239	236	530	227	133	294	209	17	45	47
50,000 to 99,999 lb	40	182	41	43	195	102	12	42	29	S	11	11
100,000 lb or more	191	875	199	S	212	97	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	2 946	1 663	341	2 280	1 090	484	1 671	735	537	623	240	244
Less than 50 lb	4	1	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	8	2	—	1	—	—	S	—	—	S	S	S
100 to 499 lb	70	25	5	12	3	1	7	1	1	4	1	1
500 to 749 lb	S	S	S	21	S	S	6	1	1	4	1	1
750 to 999 lb	44	25	6	15	3	1	5	1	1	3	—	1
1,000 to 9,999 lb	724	330	65	461	156	65	275	77	58	159	31	32
10,000 to 49,999 lb	1 636	1 016	207	1 739	879	397	1 371	636	464	433	182	185
50,000 to 99,999 lb	S	S	S	S	29	10	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	976	1 035	210	1 478	1 095	496	879	733	545	360	353	388
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	28	20	3	3	1	—	S	S	S	S	S	S
500 to 749 lb	35	21	4	2	1	—	—	—	—	S	S	S
750 to 999 lb	38	28	5	2	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	283	179	36	371	222	99	181	111	79	26	8	8
10,000 to 49,999 lb	518	588	120	1 057	732	326	669	526	384	267	188	186
50,000 to 99,999 lb	33	103	16	10	23	11	S	S	S	S	S	S
100,000 lb or more	23	86	24	33	115	59	26	90	78	64	153	188

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	3 828	5 765	1 193	3 071	3 947	2 001	1 822	2 465	2 108	786	711	768
Less than 50 lb	12	1	—	S	1	—	6	1	—	S	S	S
50 to 99 lb	10	2	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	93	38	7	S	14	5	9	S	S	3	1	1
500 to 749 lb	S	S	S	46	15	7	S	9	7	S	S	S
750 to 999 lb	75	32	6	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	1 043	572	110	506	243	112	214	120	88	67	27	27
10,000 to 49,999 lb	2 125	3 728	760	1 864	1 869	801	1 290	1 145	874	552	361	375
50,000 to 99,999 lb	162	651	128	35	146	72	S	S	S	S	S	S
100,000 lb or more	191	683	171	488	1 645	996	267	1 175	1 129	S	313	354
SCTG 08, Alcoholic beverages	319	124	25	896	521	241	390	134	100	250	243	255
Less than 50 lb	S	S	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	1	—	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	2	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	—	—	S	S	S
1,000 to 9,999 lb	100	26	4	13	4	2	10	3	2	6	1	1
10,000 to 49,999 lb	198	72	15	856	464	212	370	113	85	197	141	147
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 09, Tobacco products	781	61	13	2 773	117	57	1 199	46	33	S	15	14
Less than 50 lb	24	1	—	7	1	—	9	—	—	6	—	—
50 to 99 lb	27	1	—	S	S	S	9	—	—	S	S	S
100 to 499 lb	119	6	1	134	8	3	86	3	2	25	S	S
500 to 749 lb	45	3	1	102	4	2	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	2	1	S	S	S	S	S	S
1,000 to 9,999 lb	413	17	4	500	19	9	326	15	10	S	S	S
10,000 to 49,999 lb	S	S	S	1 966	83	42	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	7	59	11	S	99	46	S	39	28	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	S	S	S	S	S	S
100 to 499 lb	—	—	—	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	31	6	S	42	19	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 11, Natural sands	13	S	S	60	1 522	599	S	5	4	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	—	—
10,000 to 49,999 lb	2	S	S	30	68	29	S	S	3	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	7	1 392	545	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	85	12 867	3 231	28	3 486	1 705	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	11	3	—	—	—	—	—	—
10,000 to 49,999 lb	28	4 935	1 310	10	1 132	368	S	S	S	S	S	S
50,000 to 99,999 lb	19	2 448	479	S	S	S	—	—	—	—	—	—
100,000 lb or more	34	5 458	1 437	16	2 206	1 285	17	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	S	1 076	231	136	1 350	702	80	901	748	27	376	410
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	8	15	3	S	2	1	1	S	S	S	S	S
10,000 to 49,999 lb	S	486	103	72	263	117	31	210	152	8	45	46
50,000 to 99,999 lb	29	442	82	5	80	30	—	10	7	S	S	S
100,000 lb or more	S	132	S	55	1 005	553	45	673	582	14	329	362

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	148	S	428	166	160	95	59	31	23	25	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	7	S	S	9	3	2	S	S	S
10,000 to 49,999 lb	S	S	S	127	74	36	36	28	21	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—	—	—	—
100,000 lb or more	126	434	209	S	S	S	—	—	—	—	—	—
SCTG 15, Coal	1 188	41 920	14 485	1 256	45 396	25 260	412	16 578	17 557	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	103	33	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	157	6 099	1 695	53	2 212	1 391	S	S	S	—	—	—
100,000 lb or more	1 019	35 718	12 757	1 184	43 116	23 842	367	14 941	15 967	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	2 004	10 868	1 990	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	56	222	37	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	236	1 007	158	15	60	22	S	S	S	S	S	S
100,000 lb or more	1 705	9 624	1 793	S	S	S	S	S	S	—	—	—
SCTG 18, Fuel oils	732	3 944	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	2	9	S	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	37	229	43	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	94	532	100	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	373	1 534	274	503	1 797	913	253	918	728	133	238	249
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	7	3	—	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	1	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	—	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	160	585	100	192	414	190	139	243	170	77	91	93
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	79	404	82	231	1 158	595	95	622	519	23	134	142
SCTG 20, Basic chemicals	1 511	3 698	897	2 985	4 882	2 535	2 278	2 056	1 605	1 182	811	878
Less than 50 lb	S	S	S	S	1	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	14	3	1	13	2	1	S	2	1	S	1	1
500 to 749 lb	3	S	S	9	2	1	4	1	—	S	S	S
750 to 999 lb	4	S	S	4	1	—	3	1	—	3	S	S
1,000 to 9,999 lb	138	74	14	391	64	28	214	28	20	77	23	23
10,000 to 49,999 lb	792	1 641	350	1 590	1 387	618	1 217	660	488	735	316	317
50,000 to 99,999 lb	45	106	27	31	49	26	S	S	S	S	S	S
100,000 lb or more	478	1 862	503	848	3 375	S	660	1 319	1 054	183	S	S
SCTG 21, Pharmaceutical products	4 543	173	27	1 663	S	19	787	19	14	355	S	S
Less than 50 lb	1 663	17	3	691	5	2	538	3	2	132	1	1
50 to 99 lb	448	6	1	S	2	1	24	—	—	S	S	S
100 to 499 lb	1 035	24	4	366	6	2	152	4	3	18	1	1
500 to 749 lb	83	5	1	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	243	11	2	S	S	S	S	4	3	S	S	S
10,000 to 49,999 lb	S	109	14	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	205	1 038	227	182	1 036	462	113	574	425	26	126	126
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	21	S	S	13	10	S	S	S	S	S	S	S
10,000 to 49,999 lb	101	474	96	104	S	S	S	S	S	20	S	S
50,000 to 99,999 lb	25	193	43	11	61	23	S	S	S	—	—	—
100,000 lb or more	47	326	79	52	S	214	S	S	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	1 549	720	153	2 900	1 402	684	1 280	523	387	555	257	271
Less than 50 lb	143	4	1	S	2	1	37	S	S	3	—	—
50 to 99 lb	25	3	1	S	S	S	15	S	S	2	S	S
100 to 499 lb	182	24	4	163	27	13	102	S	S	21	3	3
500 to 749 lb	75	15	3	50	9	4	29	4	3	16	3	3
750 to 999 lb	33	12	2	21	7	3	31	8	6	10	S	S
1,000 to 9,999 lb	475	144	29	267	112	51	210	69	51	138	48	48
10,000 to 49,999 lb	592	433	91	1 367	822	373	752	387	284	252	148	151
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	3 124	1 165	259	6 360	2 053	970	4 050	1 656	1 236	1 871	864	902
Less than 50 lb	126	4	1	96	3	2	87	2	1	40	1	1
50 to 99 lb	46	3	1	37	2	1	41	2	1	65	1	1
100 to 499 lb	216	27	5	186	19	9	127	12	9	65	7	7
500 to 749 lb	134	18	3	107	12	6	62	7	5	24	5	4
750 to 999 lb	39	10	2	58	12	5	51	6	5	18	4	4
1,000 to 9,999 lb	964	336	70	1 283	407	184	633	207	151	304	87	90
10,000 to 49,999 lb	1 532	710	160	4 377	1 401	655	2 597	1 127	821	1 077	489	496
50,000 to 99,999 lb	S	S	S	29	S	S	S	S	S	S	S	S
100,000 lb or more	67	54	16	187	179	100	400	252	214	S	S	S
SCTG 25, Logs and other wood in the rough	152	2 564	444	128	273	134	S	S	S	49	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	6	S	S	S	S	S	S	1	—	4	17	19
10,000 to 49,999 lb	81	901	168	82	123	58	S	S	S	14	47	49
50,000 to 99,999 lb	46	1 429	213	S	S	S	S	S	S	S	S	S
100,000 lb or more	17	S	S	29	86	44	S	S	S	S	S	S
SCTG 26, Wood products ..	2 576	8 796	2 299	1 786	3 760	1 740	1 257	2 246	1 740	591	960	1 013
Less than 50 lb	12	1	—	7	1	—	S	—	—	2	—	—
50 to 99 lb	11	1	—	4	1	S	—	—	—	1	—	—
100 to 499 lb	50	10	2	16	2	1	14	2	2	3	1	1
500 to 749 lb	29	6	1	12	2	1	8	2	1	S	1	1
750 to 999 lb	12	5	1	S	4	S	S	2	1	1	—	—
1,000 to 9,999 lb	243	152	28	134	48	22	124	43	32	34	11	11
10,000 to 49,999 lb	1 659	3 893	789	1 286	2 712	1 188	730	1 149	822	357	493	485
50,000 to 99,999 lb	335	1 349	265	114	362	152	61	164	121	30	54	52
100,000 lb or more	S	S	S	196	629	374	300	883	761	160	400	462
SCTG 27, Pulp, newsprint, paper, and paperboard ...	1 541	3 674	925	2 700	5 074	2 699	2 274	3 969	3 224	1 314	2 851	3 141
Less than 50 lb	4	1	—	2	—	—	1	—	—	S	S	S
50 to 99 lb	4	1	—	5	1	—	—	—	—	S	—	—
100 to 499 lb	17	6	1	17	4	2	S	2	1	S	S	S
500 to 749 lb	6	3	—	S	1	—	3	1	1	S	S	1
750 to 999 lb	S	S	S	S	S	1	2	1	1	S	S	S
1,000 to 9,999 lb	83	67	14	70	37	17	S	47	34	44	18	19
10,000 to 49,999 lb	823	1 721	386	1 515	2 117	968	1 109	1 725	1 285	556	857	868
50,000 to 99,999 lb	63	S	S	81	254	140	22	S	74	S	S	S
100,000 lb or more	529	1 311	375	991	2 659	1 571	898	2 101	1 828	691	1 953	2 228
SCTG 28, Paper or paperboard articles	980	836	169	926	588	261	721	369	273	221	120	121
Less than 50 lb	23	2	—	53	3	1	49	2	2	22	1	1
50 to 99 lb	13	3	—	11	1	—	S	S	S	S	S	S
100 to 499 lb	31	11	2	22	3	1	22	3	2	6	1	1
500 to 749 lb	15	4	1	9	2	1	11	2	1	S	S	S
750 to 999 lb	S	6	1	8	2	1	6	S	S	S	S	S
1,000 to 9,999 lb	239	163	30	132	67	29	94	46	35	21	7	8
10,000 to 49,999 lb	597	603	126	690	494	221	533	313	232	170	110	110
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	2 580	523	120	3 775	930	414	2 891	718	535	718	192	187
Less than 50 lb	252	15	4	588	34	16	569	28	21	226	12	12
50 to 99 lb	S	6	1	288	17	8	251	13	10	S	4	4
100 to 499 lb	209	16	4	799	80	37	346	35	24	88	6	6
500 to 749 lb	68	8	1	139	13	6	66	6	4	S	1	1
750 to 999 lb	64	7	2	87	9	4	120	7	6	9	S	S
1,000 to 9,999 lb	S	166	35	858	161	71	730	193	147	112	38	38
10,000 to 49,999 lb	381	298	73	1 005	604	266	805	435	321	170	127	122
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	4 881	786	167	7 566	1 183	528	5 990	715	530	2 934	349	353
Less than 50 lb	261	10	2	512	19	8	429	18	13	230	10	10
50 to 99 lb	104	5	1	198	8	4	181	10	8	103	4	4
100 to 499 lb	330	26	6	671	39	18	415	30	22	403	23	23
500 to 749 lb	57	7	2	247	20	9	71	7	5	S	7	7
750 to 999 lb	S	11	2	172	15	7	111	11	8	48	5	6
1,000 to 9,999 lb	1 569	181	40	3 248	351	158	1 784	186	140	1 036	120	118
10,000 to 49,999 lb	2 395	515	109	2 491	704	310	2 958	440	323	998	178	184
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 31, Nonmetallic mineral products	1 584	8 027	1 732	1 627	3 954	1 837	975	1 441	1 075	201	259	261
Less than 50 lb	19	2	—	11	1	—	10	S	—	3	—	—
50 to 99 lb	19	2	—	5	1	—	5	S	—	4	—	S
100 to 499 lb	48	13	2	19	4	2	33	S	S	9	2	S
500 to 749 lb	11	3	1	S	4	1	10	S	S	S	S	S
750 to 999 lb	28	7	1	9	3	1	8	S	1	S	S	S
1,000 to 9,999 lb	214	165	32	219	107	50	169	72	54	34	19	19
10,000 to 49,999 lb	896	2 957	584	1 223	2 362	1 072	527	805	580	135	216	216
50,000 to 99,999 lb	178	2 413	424	39	305	127	S	303	214	—	—	—
100,000 lb or more	171	2 465	687	75	1 168	583	40	249	217	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	4 772	6 224	1 453	6 641	6 349	3 058	3 399	3 341	2 509	999	619	620
Less than 50 lb	36	2	1	55	2	1	S	1	1	S	—	—
50 to 99 lb	46	3	1	28	3	1	17	1	1	3	—	—
100 to 499 lb	130	25	5	104	19	8	63	9	6	S	3	3
500 to 749 lb	58	17	3	48	13	6	22	4	3	11	1	1
750 to 999 lb	62	16	3	68	17	8	18	4	3	10	1	1
1,000 to 9,999 lb	657	414	84	696	295	131	297	126	91	135	43	41
10,000 to 49,999 lb	3 084	3 890	822	4 550	4 300	1 925	2 332	2 165	1 568	665	427	423
50,000 to 99,999 lb	406	403	76	123	273	123	75	188	140	S	S	S
100,000 lb or more	294	S	S	969	1 427	855	492	842	696	88	106	116
SCTG 33, Articles of base metal	2 458	1 704	377	3 492	1 862	837	3 054	2 079	1 584	1 165	738	917
Less than 50 lb	136	5	1	168	6	3	160	4	3	66	2	2
50 to 99 lb	47	5	1	63	4	2	62	3	2	13	1	1
100 to 499 lb	155	25	5	249	27	12	251	21	15	107	9	9
500 to 749 lb	82	18	3	150	18	8	75	14	10	60	6	5
750 to 999 lb	68	18	4	108	23	10	42	10	7	36	4	4
1,000 to 9,999 lb	633	276	56	956	360	164	616	210	154	285	74	75
10,000 to 49,999 lb	1 128	1 024	216	1 609	1 152	525	1 296	953	687	377	197	201
50,000 to 99,999 lb	S	S	S	22	33	14	S	S	S	S	13	13
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	433	S
SCTG 34, Machinery	4 079	604	127	10 644	1 389	668	5 114	861	642	2 082	265	267
Less than 50 lb	457	11	2	470	10	5	268	4	3	274	2	2
50 to 99 lb	145	6	1	151	6	3	89	3	2	48	1	1
100 to 499 lb	287	23	5	504	30	14	290	20	15	232	11	11
500 to 749 lb	131	11	2	219	18	8	157	12	9	52	7	7
750 to 999 lb	95	10	2	119	12	6	126	16	12	107	9	9
1,000 to 9,999 lb	898	127	29	2 179	271	127	1 307	175	129	529	76	76
10,000 to 49,999 lb	1 946	375	76	S	996	485	2 718	591	443	825	156	156
50,000 to 99,999 lb	69	13	3	175	S	S	143	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	5 417	634	128	8 548	1 181	522	6 030	645	477	3 116	312	316
Less than 50 lb	628	7	2	619	8	3	709	7	5	429	4	4
50 to 99 lb	207	4	1	193	4	2	212	4	3	110	2	2
100 to 499 lb	452	19	4	830	24	11	947	19	14	339	10	10
500 to 749 lb	213	8	2	377	12	6	288	11	8	189	8	9
750 to 999 lb	173	9	2	248	11	5	141	9	6	S	2	2
1,000 to 9,999 lb	1 586	155	33	2 621	191	85	1 285	157	117	895	52	52
10,000 to 49,999 lb	2 155	424	83	3 640	925	407	2 430	437	322	1 083	230	233
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	28	4	4
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	6 465	1 324	292	18 096	2 718	1 276	8 576	1 268	983	3 100	422	440
Less than 50 lb	291	11	2	203	9	4	132	6	4	38	2	2
50 to 99 lb	78	6	1	53	3	2	39	3	2	21	S	S
100 to 499 lb	196	18	4	275	18	8	120	11	8	103	6	6
500 to 749 lb	110	11	2	97	8	4	100	6	5	57	4	4
750 to 999 lb	75	9	2	66	8	4	52	5	4	S	2	2
1,000 to 9,999 lb	3 363	433	87	10 756	1 176	545	4 896	568	467	1 756	212	230
10,000 to 49,999 lb	2 318	686	156	6 496	1 467	694	3 222	665	490	S	174	175
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	561	49	11	1 001	122	59	880	154	114	293	16	15
Less than 50 lb	S	S	S	92	—	—	59	—	—	S	—	—
50 to 99 lb	S	S	S	S	—	—	24	S	S	13	—	—
100 to 499 lb	29	—	—	39	—	—	87	S	S	28	S	S
500 to 749 lb	S	S	S	S	—	—	15	—	—	S	S	S
750 to 999 lb	S	S	S	S	—	—	S	—	—	S	S	S
1,000 to 9,999 lb	361	27	6	382	27	12	354	24	18	100	8	8
10,000 to 49,999 lb	67	14	3	S	50	23	212	101	73	S	5	5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	103	S	S	16	20	17	S	S	S
SCTG 38, Precision instruments and apparatus	638	18	4	811	28	12	756	19	14	349	7	7
Less than 50 lb	286	2	—	449	2	1	377	1	1	243	1	1
50 to 99 lb	44	—	—	118	1	—	S	—	—	S	—	—
100 to 499 lb	77	2	1	93	3	1	81	3	2	S	2	2
500 to 749 lb	S	S	—	24	1	1	S	1	1	S	S	S
750 to 999 lb	S	S	S	12	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	8	2	87	12	5	74	S	S	11	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	909	249	54	1 948	580	279	2 059	552	392	745	199	203
Less than 50 lb	8	1	—	22	1	1	19	1	1	7	1	1
50 to 99 lb	9	1	—	18	2	1	25	3	2	13	1	1
100 to 499 lb	92	15	3	179	28	13	171	28	21	86	14	14
500 to 749 lb	57	9	2	90	15	7	73	12	9	19	4	4
750 to 999 lb	37	7	2	73	15	7	62	11	8	42	7	7
1,000 to 9,999 lb	484	125	27	985	266	125	1 071	269	192	357	100	102
10,000 to 49,999 lb	218	90	20	574	215	106	622	216	152	220	72	73
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products	4 091	1 740	361	5 143	1 834	817	3 319	866	633	1 281	343	350
Less than 50 lb	410	10	2	540	13	6	394	11	8	167	5	5
50 to 99 lb	110	7	1	112	7	3	125	6	5	37	2	2
100 to 499 lb	328	34	7	489	47	22	381	41	29	169	13	13
500 to 749 lb	84	10	2	100	13	6	158	14	10	86	10	10
750 to 999 lb	43	9	2	122	14	7	116	12	9	25	4	4
1,000 to 9,999 lb	813	221	48	1 356	313	136	930	182	134	343	78	80
10,000 to 49,999 lb	2 211	1 218	250	2 213	1 179	528	1 081	516	378	434	220	223
50,000 to 99,999 lb	73	214	45	103	112	49	34	23	17	S	S	S
100,000 lb or more	S	S	S	108	135	59	S	60	42	S	S	S
SCTG 41, Waste and scrap	589	3 686	850	562	2 553	1 299	92	235	165	18	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	S	S	S	—	—	—
100 to 499 lb	—	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	10	12	2	8	3	2	S	S	S	—	—	—
10,000 to 49,999 lb	252	994	202	203	519	217	81	122	83	15	23	24
50,000 to 99,999 lb	33	309	80	2	18	S	S	S	S	S	S	S
100,000 lb or more	293	2 369	564	S	2 012	1 071	8	107	78	S	S	S
SCTG 43, Mixed freight	6 771	2 651	518	1 857	533	214	772	194	146	184	32	33
Less than 50 lb	13	2	—	8	1	—	S	S	S	3	S	S
50 to 99 lb	15	S	S	S	S	S	6	S	S	S	S	S
100 to 499 lb	115	36	7	46	10	4	17	S	2	S	S	S
500 to 749 lb	112	36	7	S	S	S	S	S	S	—	—	—
750 to 999 lb	105	22	4	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	2 865	567	114	817	171	70	337	96	77	—	—	—
10,000 to 49,999 lb	3 512	1 914	367	920	332	134	395	88	62	170	31	32
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	S	492	109	S	S	S	S	S	S	50	S	S
Less than 50 lb	S	—	—	8	—	—	4	—	—	S	S	S
50 to 99 lb	S	—	—	—	—	—	S	S	S	S	S	S
100 to 499 lb	14	2	—	10	1	—	3	S	S	S	S	S
500 to 749 lb	S	—	—	1	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	32	6	S	6	3	S	6	4	S	S	S
10,000 to 49,999 lb	S	231	50	S	56	26	S	S	S	12	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	11 447	4 053	5 893	23 091	6 713	15 257	3 529	1 742	4 829
Less than 50 lb	824	18	26	1 209	28	59	296	7	19
50 to 99 lb	309	15	21	352	13	28	129	5	15
100 to 499 lb	896	51	71	1 461	80	169	274	S	S
500 to 749 lb	272	29	41	567	33	69	95	7	19
750 to 999 lb	264	22	30	207	26	55	74	8	21
1,000 to 9,999 lb	3 278	560	793	5 422	726	1 588	1 146	117	310
10,000 to 49,999 lb	5 029	2 101	2 893	12 331	3 850	8 445	1 046	470	1 243
50,000 to 99,999 lb	150	184	253	402	241	538	S	46	126
100,000 lb or more	424	1 074	1 766	1 139	1 715	4 306	369	S	S
SCTG 01, Live animals and live fish	21	13	16	S	S	S	-	-	-
Less than 50 lb	S	S	S	-	-	-	-	-	-
50 to 99 lb	-	-	-	-	-	-	-	-	-
100 to 499 lb	-	-	-	-	-	-	-	-	-
500 to 749 lb	-	-	-	-	-	-	-	-	-
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	S	S	S	-	-	-	-	-	-
10,000 to 49,999 lb	S	S	S	S	S	S	-	-	-
50,000 to 99,999 lb	S	S	S	-	-	-	-	-	-
100,000 lb or more	-	-	-	-	-	-	-	-	-
SCTG 02, Cereal grains	-	-	-	S	S	S	-	-	-
Less than 50 lb	-	-	-	-	-	-	-	-	-
50 to 99 lb	-	-	-	-	-	-	-	-	-
100 to 499 lb	-	-	-	-	-	-	-	-	-
500 to 749 lb	-	-	-	-	-	-	-	-	-
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	-	-	-	S	S	S	-	-	-
10,000 to 49,999 lb	-	-	-	S	S	S	-	-	-
50,000 to 99,999 lb	-	-	-	-	-	-	-	-	-
100,000 lb or more	-	-	-	-	-	-	-	-	-
SCTG 03, Other agricultural products	S	S	S	354	202	396	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	-	-	-	-	-	-	S	-	S
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	-	-	-	S	S	S	-	-	-
50,000 to 99,999 lb	-	-	-	S	S	S	-	-	-
100,000 lb or more	-	-	-	S	S	S	-	-	-
SCTG 04, Animal feed and products of animal origin, n.e.c.	S	9	11	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	-	-	-
100 to 499 lb	S	S	S	-	-	-	-	-	-
500 to 749 lb	-	-	-	-	-	-	-	-	-
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	S	S	S	S	S	S	-	-	-
10,000 to 49,999 lb	S	S	S	S	S	S	-	-	-
50,000 to 99,999 lb	S	S	S	S	S	S	-	-	-
100,000 lb or more	-	-	-	-	-	-	-	-	-
SCTG 05, Meat, fish, seafood, and their preparations	176	78	110	323	165	345	75	58	160
Less than 50 lb	-	-	-	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	-	-	-
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	45	12	18	38	12	26	4	S	S
10,000 to 49,999 lb	121	62	86	280	152	317	53	31	88
50,000 to 99,999 lb	S	S	S	-	-	-	S	S	S
100,000 lb or more	-	-	-	-	-	-	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	159	194	275	276	229	493	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	-	-	-	-	-	-	-	-	-
100 to 499 lb	-	-	-	-	-	-	-	-	-
500 to 749 lb	-	-	-	-	-	-	-	-	-
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	6	4	6	5	3	7	S	S	S
10,000 to 49,999 lb	135	141	197	259	165	325	S	S	S
50,000 to 99,999 lb	-	-	-	-	-	-	-	-	-
100,000 lb or more	S	S	S	S	S	S	-	-	-

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	79	70	96	599	435	S	49	29	71
Less than 50 lb	S	S	S	2	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	13	S	S	27	11	24	S	S	S
10,000 to 49,999 lb	47	41	55	534	S	S	43	27	66
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 08, Alcoholic beverages	54	12	18	234	97	220	21	9	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	1	3	S	S	S
10,000 to 49,999 lb	54	12	18	225	95	217	21	9	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	S	4	5	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	—	—	—	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	S	47	64	15	39	86	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	2	24	31	12	34	73	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 15, Coal	—	—	—	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	—	—	—	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	29	59	83	43	133	303	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 20, Basic chemicals ..	266	162	225	482	301	705	21	10	30
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	4	5	64	6	13	S	S	S
10,000 to 49,999 lb	128	122	169	224	111	247	15	9	24
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	166	174	427	S	S	S
SCTG 21, Pharmaceutical products	134	11	S	193	S	S	S	—	1
Less than 50 lb	78	1	1	44	1	2	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	218	76	100	509	236	491	S	13	41
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	6	1	1	12	2	4	2	2	2
500 to 749 lb	9	2	2	9	2	3	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	63	12	17	71	17	36	S	S	S
10,000 to 49,999 lb	134	58	76	407	212	442	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 24, Plastics and rubber	596	221	318	998	347	740	103	35	91
Less than 50 lb	8	—	—	9	—	1	3	—	—
50 to 99 lb	S	—	1	10	—	1	S	S	S
100 to 499 lb	23	2	3	22	3	6	S	—	1
500 to 749 lb	8	2	2	S	1	2	S	S	S
750 to 999 lb	5	1	2	2	—	1	4	S	S
1,000 to 9,999 lb	133	41	56	151	38	80	24	5	13
10,000 to 49,999 lb	381	153	215	760	287	612	62	27	68
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	31	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	18	25	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 26, Wood products	188	244	356	233	238	543	62	73	189
Less than 50 lb	S	—	S	S	S	S	S	S	S
50 to 99 lb	S	—	S	S	—	—	S	S	S
100 to 499 lb	4	1	1	S	S	S	S	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	8	11	12	5	10	S	S	S
10,000 to 49,999 lb	93	106	149	169	152	340	51	42	110
50,000 to 99,999 lb	12	14	19	S	9	20	7	S	31
100,000 lb or more	47	116	177	36	71	169	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	392	718	1 067	514	789	1 869	51	85	239
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	7	9	S	5	12	S	S	S
10,000 to 49,999 lb	211	290	398	234	312	692	38	54	148
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	155	390	614	255	456	1 127	S	S	S
SCTG 28, Paper or paperboard articles	128	86	124	151	65	140	43	21	53
Less than 50 lb	5	S	S	18	1	2	S	S	S
50 to 99 lb	S	—	—	3	S	S	S	S	S
100 to 499 lb	5	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	—	1	S	S	S
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	23	8	15	S	S	S
10,000 to 49,999 lb	93	73	102	96	55	120	40	21	52
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	307	77	103	1 035	220	480	88	20	50
Less than 50 lb	83	5	7	177	8	17	20	1	3
50 to 99 lb	S	1	2	51	3	6	S	S	S
100 to 499 lb	23	S	3	S	15	30	4	1	1
500 to 749 lb	S	2	S	38	4	8	S	S	S
750 to 999 lb	S	1	1	5	2	3	S	S	S
1,000 to 9,999 lb	75	17	25	298	38	82	15	5	13
10,000 to 49,999 lb	63	49	64	199	139	310	23	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	1 425	173	235	4 838	382	793	296	21	54
Less than 50 lb	100	4	5	143	6	13	37	S	S
50 to 99 lb	38	2	2	44	2	5	33	S	S
100 to 499 lb	219	12	16	214	11	23	28	2	5
500 to 749 lb	S	S	S	63	5	10	12	1	3
750 to 999 lb	S	S	S	22	3	6	6	1	2
1,000 to 9,999 lb	408	41	56	851	89	190	80	7	18
10,000 to 49,999 lb	472	100	135	S	264	541	99	7	16
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	89	120	171	S	110	251	84	70	189
Less than 50 lb	S	—	—	S	—	—	S	—	—
50 to 99 lb	S	S	S	S	—	—	S	—	—
100 to 499 lb	2	—	1	3	1	1	—	—	—
500 to 749 lb	S	—	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	15	8	10	8	3	7	10	S	S
10,000 to 49,999 lb	63	85	115	S	95	218	62	60	162
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	597	310	454	1 151	952	2 372	S	S	S
Less than 50 lb	1	—	—	12	—	—	S	S	S
50 to 99 lb	2	—	—	4	—	1	S	S	S
100 to 499 lb	14	1	2	17	S	S	S	—	1
500 to 749 lb	21	3	4	S	1	2	S	S	S
750 to 999 lb	12	1	2	3	1	2	—	—	—
1,000 to 9,999 lb	110	20	30	46	20	44	4	3	8
10,000 to 49,999 lb	322	181	240	604	340	760	36	23	57
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	107	98	169	309	S	S	S	S	S
SCTG 33, Articles of base metal	304	173	248	723	366	861	154	S	S
Less than 50 lb	23	1	1	34	1	2	17	1	2
50 to 99 lb	5	—	1	8	—	1	S	S	S
100 to 499 lb	23	2	3	86	5	12	22	2	4
500 to 749 lb	S	2	S	42	4	9	S	S	S
750 to 999 lb	6	S	S	11	2	4	4	1	2
1,000 to 9,999 lb	102	35	49	236	54	110	34	7	19
10,000 to 49,999 lb	121	109	158	224	120	254	21	18	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 34, Machinery	788	88	126	1 173	189	418	287	53	145
Less than 50 lb	81	1	1	94	1	3	9	—	—
50 to 99 lb	27	1	1	18	—	1	4	—	—
100 to 499 lb	83	4	5	91	5	11	17	1	3
500 to 749 lb	45	3	5	18	2	5	11	1	1
750 to 999 lb	23	2	2	S	3	7	S	S	S
1,000 to 9,999 lb	247	27	37	355	48	103	105	8	22
10,000 to 49,999 lb	219	34	49	547	121	271	114	36	94
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	2 109	165	222	2 411	280	602	S	33	86
Less than 50 lb	202	2	3	267	3	6	95	2	4
50 to 99 lb	74	1	1	66	1	1	23	1	2
100 to 499 lb	226	4	6	392	11	22	84	2	5
500 to 749 lb	46	3	4	117	3	7	10	1	2
750 to 999 lb	18	1	1	25	2	3	S	S	S
1,000 to 9,999 lb	346	51	69	504	46	97	S	S	45
10,000 to 49,999 lb	S	102	136	1 030	212	460	S	10	26
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	1 941	254	369	3 409	429	981	372	74	187
Less than 50 lb	18	1	1	26	1	2	S	—	S
50 to 99 lb	2	—	—	S	—	1	S	S	S
100 to 499 lb	26	3	4	25	3	7	7	1	2
500 to 749 lb	10	1	2	S	2	4	S	S	S
750 to 999 lb	8	1	2	10	2	5	S	S	S
1,000 to 9,999 lb	1 254	136	199	2 149	224	521	114	17	46
10,000 to 49,999 lb	623	113	161	1 121	183	414	169	48	121
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	129	S	S	202	26	60	334	14	38
Less than 50 lb	13	—	—	23	—	—	26	—	—
50 to 99 lb	S	—	—	S	—	—	9	S	S
100 to 499 lb	S	S	S	17	—	—	28	—	—
500 to 749 lb	S	S	S	S	—	—	S	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	29	3	4	54	6	14	S	6	16
10,000 to 49,999 lb	S	3	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	166	9	11	209	3	6	29	—	1
Less than 50 lb	87	S	S	165	S	1	10	—	—
50 to 99 lb	S	—	—	S	S	S	S	S	S
100 to 499 lb	10	1	1	5	—	—	S	S	S
500 to 749 lb	S	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	272	96	130	291	63	139	97	23	65
Less than 50 lb	4	—	—	4	—	—	3	—	—
50 to 99 lb	6	1	1	7	1	2	S	S	S
100 to 499 lb	33	6	8	41	5	10	11	2	4
500 to 749 lb	8	2	3	13	2	5	S	S	S
750 to 999 lb	12	2	2	S	3	6	S	S	S
1,000 to 9,999 lb	138	41	57	149	32	72	60	13	38
10,000 to 49,999 lb	66	28	38	40	16	34	S	7	18
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	566	284	399	1 479	227	476	259	43	112
Less than 50 lb	96	2	3	168	4	8	41	1	3
50 to 99 lb	13	1	1	87	3	5	S	1	2
100 to 499 lb	68	6	9	138	9	18	39	S	S
500 to 749 lb	29	2	3	S	3	7	S	S	S
750 to 999 lb	S	2	2	13	2	4	S	S	S
1,000 to 9,999 lb	137	36	50	292	46	97	104	S	S
10,000 to 49,999 lb	181	121	167	559	150	314	31	6	18
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 41, Waste and scrap .	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 43, Mixed freight	S	S	S	117	36	78	74	5	12
Less than 50 lb	S	—	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	74	5	12
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	S	S	S	49	18	37	S	S	S
Less than 50 lb	S	—	—	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in

1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

Item	1993	1997
1. Industry coverage	Manufacturers (minor exceptions) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses Auxiliaries (e.g., warehouses)
2. Commodity classification system	Standard Transportation Commodity Classification (STCC), developed by the American Association of Railroads (AAR).	Standard Classification of Transported Goods (SCTG).
3. Sample size	Approximately 200,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1992 Standard Statistical Establishment List (SSEL).	Approximately 100,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1995 Standard Statistical Establishment List (SSEL).
4. Survey methodology	Respondents took a sample of their individual outbound shipments for a 2-week period during each of the four calendar quarters of 1993. Respondents reported key characteristics for each sampled shipment.	Respondents took a sample of their individual outbound shipments for a 1-week period during each of the four calendar quarters of 1997. Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	For each shipment: Total value Total weight Major commodity (STCC) All modes of transportation Multiple origins (respondents specifically requested to report all shipment origins for the sampled establishment and report the appropriate origin for each shipment; assumed to always be the mailing address if no other origins listed). Destination Containerized (Y/N) Hazardous material (Y/N) Export (Y/N) If export, mode of export, foreign country, and city of destination.	For each shipment: Total value Total weight Major commodity (SCTG) All modes of transportation Single origin (assumed to be the mailing address unless the respondent provided a different physical location address). Destination Containerized (Y/N) Hazardous material (UN/NA codes) Export (Y/N) If export, mode of export, foreign country, and city of destination.

Appendix B. Reliability of the Estimates

An estimate based on a sample survey potentially contains two types of errors—sampling and nonsampling. Sampling error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The bias of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. Variance is the squared difference, averaged over all possible samples of the same size and design, between an estimator and its average value. Descriptions of sampling and nonsampling errors for the 1997 Commodity Flow Survey (CFS) are provided in the following sections.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of all the shipments made in 1997 from all establishments included on the CFS sampling frame is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling. (See Appendix C for a description of the sample design.)

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the

sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

An estimate of an unknown population value and its approximate standard error can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability, or confidence, of containing the unknown population value. If, for each possible sample, an estimate of an unknown population value and the estimate's approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the unknown population value.
2. For approximately 95 percent of the possible samples, the interval from two standard errors below to two standard errors above the estimate would include the unknown population value.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources: (1) nonresponse, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) other errors of collection, response, coverage, and processing. Although no direct measurement of the potential biases because of nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize its influence.

A potentially large source of bias in the estimates is due to nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all the selected establishments. Four levels of nonresponse can occur in the CFS: item, shipment, quarter (reporting week), and establishment. Item nonresponse

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been

returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

Some possible sources of bias that are attributed to respondent-conducted sampling include misunderstanding the definition of a shipment, constructing an incomplete frame of shipments from which to sample, ordering the shipment sampling frame by selected shipment characteristics, and selecting shipment records by a method other than the one specified in the questionnaire's instructions. We often contacted respondents who reported shipments having atypically large value or weight when compared to the rest of their reported shipments. Upon contact, if we are able to collect information on all of a given respondent's large shipments made either for a particular reporting week or for the entire quarter, then we identify these large shipments as certainty shipments. (See Appendix C for a description of how certainty shipments are used in the estimation process.)

Table B-1a. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	2.4	—	8.5	—	9.5	—	7.6
Single modes	2.4	1.1	8.4	1.1	8.2	1.9	5.3
Truck	2.6	1.3	8.1	2.1	5.2	3.0	4.1
For-hire truck	4.2	1.6	11.4	1.8	3.3	2.4	4.5
Private truck	4.8	1.2	8.6	2.0	15.1	1.1	7.5
Rail	7.1	.3	11.8	1.1	12.7	2.3	3.9
Water	17.7	.2	17.4	1.1	21.1	1.8	28.4
Shallow draft	18.7	.2	17.9	1.1	22.4	1.9	30.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	20.6
Air (includes truck and air)	13.1	.1	14.1	—	27.4	—	3.6
Pipeline	36.8	.1	37.7	.2	S	S	S
Multiple modes	11.0	.8	23.6	.5	32.9	1.6	3.6
Parcel, U.S. Postal Service or courier	6.6	.4	15.2	—	8.9	—	3.7
Truck and rail	30.4	.7	26.1	.2	15.5	.4	9.6
Truck and water	24.9	—	42.8	.5	42.2	.9	S
Rail and water	S	S	S	S	S	S	21.0
Other multiple modes	S	S	S	S	S	S	25.4
Other and unknown modes	19.4	1.0	20.0	.8	29.5	.8	S

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	2.4	3.4	4.5	8.5	3.9	10.3	9.5	8.2	13.3	7.6	5.0	9.1
Single modes	2.4	3.6	4.5	8.4	4.2	10.4	8.2	8.8	12.4	5.3	5.2	7.8
Truck	2.6	4.1	5.1	8.1	3.5	10.2	5.2	5.5	8.1	4.1	4.2	6.1
For-hire truck	4.2	6.1	7.8	11.4	5.9	14.0	3.3	2.7	4.8	4.5	2.8	5.3
Private truck	4.8	3.0	5.6	8.6	4.4	11.5	15.1	14.0	19.7	7.5	5.4	9.2
Rail	7.1	7.1	10.2	11.8	14.8	18.4	12.7	16.1	22.0	3.9	6.4	7.5
Water	17.7	16.9	21.5	17.4	16.0	24.3	21.1	24.5	27.2	28.4	36.5	9.2
Shallow draft	18.7	22.0	26.9	17.9	19.8	30.3	22.4	30.7	36.4	30.1	10.7	11.0
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	S	40.3	S	S	43.8	S	S	35.8	S	20.6	16.9	1.7
Air (includes truck and air)	13.1	24.9	18.9	14.1	15.1	20.4	27.4	20.3	32.5	3.6	2.7	4.4
Pipeline	36.8	45.1	111.2	37.7	47.5	105.3	S	S	S	S	S	S
Multiple modes	11.0	7.7	18.2	23.6	11.5	26.0	32.9	13.9	48.1	3.6	2.6	4.8
Parcel, U.S. Postal Service or courier	6.6	5.0	9.7	15.2	9.0	20.7	8.9	10.6	13.7	3.7	2.6	4.9
Truck and rail	30.4	33.1	93.1	26.1	26.2	70.9	15.5	17.8	35.8	9.6	7.2	10.0
Truck and water	24.9	18.6	18.0	42.8	20.2	26.2	42.2	21.9	28.0	S	47.4	S
Rail and water	S	27.8	S	S	34.3	S	S	S	S	21.0	18.3	11.1
Other multiple modes	S	S	S	S	45.6	S	S	44.6	S	25.4	20.0	30.5
Other and unknown modes ...	19.4	17.1	38.9	20.0	17.4	27.2	29.5	14.1	54.0	S	45.5	S

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1c. **Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Division: Percent of Total 1997 and 1993**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes	1.1	.6	1.1	.9	1.9	1.1
Truck	1.3	.9	2.1	1.8	3.0	2.2
For-hire truck	1.6	1.4	1.8	1.5	2.4	1.8
Private truck	1.2	1.1	2.0	1.5	1.1	1.0
Rail	.3	.4	1.1	1.8	2.3	3.0
Water	.2	.3	1.1	1.1	1.8	2.1
Shallow draft	.2	.3	1.1	1.1	1.9	2.0
Great Lakes	—	—	—	—	—	—
Deep draft	S	.2	S	.6	S	1.0
Air (includes truck and air)	.1	.4	—	—	—	—
Pipeline	.1	—	.2	.3	S	S
Multiple modes	.8	.5	.5	.4	1.6	1.1
Parcel, U.S. Postal Service or courier	.4	.3	—	—	—	—
Truck and rail	.7	.5	.2	—	.4	.2
Truck and water	—	—	.5	.4	.9	1.0
Rail and water	S	—	S	.2	S	S
Other multiple modes	S	S	S	—	S	.1
Other and unknown modes	1.0	.6	.8	.9	.8	.3

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-2. **Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Division: 1997**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	9.5	—	7.3
Truck	5.1	3.0	4.0
Rail	12.0	2.1	4.0
Shallow draft	24.2	2.6	12.9
Great Lakes	—	—	22.9
Deep draft	S	S	31.5
Air	28.5	—	3.8
Parcel, U.S. Postal Service or courier	8.9	—	3.7
Pipeline	S	S	S
Other and unknown modes	29.5	.8	S

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	2.4	—	8.5	—	9.5	—
Less than 50 miles	3.6	.8	10.4	2.1	11.6	.4
50 to 99 miles	4.9	.3	12.3	1.0	16.9	.5
100 to 249 miles	5.1	.5	8.2	1.1	10.2	1.4
250 to 499 miles	5.7	.9	16.0	1.1	17.6	2.4
500 to 749 miles	3.4	.4	11.0	.5	14.7	1.7
750 to 999 miles	4.7	.2	8.5	.2	9.3	.9
1,000 to 1,499 miles	7.8	.2	5.8	—	7.1	.3
1,500 to 1,999 miles	9.2	.5	7.1	—	8.2	.8
2,000 miles or more	11.7	.1	33.8	—	34.3	.7
Single modes	2.4	—	8.4	—	8.2	—
Less than 50 miles	2.6	.6	10.5	2.2	11.9	.4
50 to 99 miles	5.0	.4	12.5	1.1	17.2	.6
100 to 249 miles	5.4	.7	8.8	1.1	10.7	1.5
250 to 499 miles	6.3	1.0	16.8	1.2	15.5	2.2
500 to 749 miles	3.0	.4	8.8	.5	10.8	1.6
750 to 999 miles	5.3	.3	9.2	.2	10.2	.9
1,000 to 1,499 miles	9.1	.2	6.2	—	7.6	.3
1,500 to 1,999 miles	11.5	.5	7.9	—	9.2	.7
2,000 miles or more	15.4	.1	15.9	—	17.2	.3
Truck	2.6	—	8.1	—	5.2	—
Less than 50 miles	2.6	.7	11.2	2.3	13.2	1.1
50 to 99 miles	5.2	.4	12.1	1.2	11.5	.8
100 to 249 miles	5.4	.7	5.8	.8	6.5	1.0
250 to 499 miles	7.1	1.0	21.2	1.2	16.4	1.9
500 to 749 miles	3.4	.3	5.7	.3	6.2	1.1
750 to 999 miles	5.8	.3	4.9	—	5.0	.4
1,000 to 1,499 miles	9.8	.2	4.4	—	4.4	.2
1,500 to 1,999 miles	13.3	.6	6.8	—	6.7	.6
2,000 miles or more	16.3	.1	9.0	—	9.3	.1
For-hire truck	4.2	—	11.4	—	3.3	—
Less than 50 miles	5.8	.5	18.3	2.8	17.8	1.0
50 to 99 miles	5.1	.3	24.4	1.7	23.2	1.0
100 to 249 miles	4.1	.5	6.3	.9	6.3	.6
250 to 499 miles	8.6	1.1	4.1	1.1	4.3	.9
500 to 749 miles	4.5	.5	6.7	.8	7.4	1.3
750 to 999 miles	6.8	.5	5.6	.2	5.7	.5
1,000 to 1,499 miles	11.0	.4	4.7	—	4.7	.3
1,500 to 1,999 miles	14.4	.8	6.9	.1	6.8	.8
2,000 miles or more	16.7	.2	10.6	—	10.9	.2
Private truck	4.8	—	8.6	—	15.1	—
Less than 50 miles	3.5	1.6	11.4	3.3	14.6	2.5
50 to 99 miles	7.8	.6	10.8	2.0	9.7	1.8
100 to 249 miles	12.1	1.2	10.4	1.0	12.3	2.2
250 to 499 miles	5.9	.4	S	S	S	S
500 to 749 miles	8.5	.3	9.1	.1	8.9	.9
750 to 999 miles	8.1	.1	7.6	—	7.7	.4
1,000 to 1,499 miles	13.7	—	18.2	—	18.9	.3
1,500 to 1,999 miles	20.5	.2	26.4	—	25.6	.8
2,000 miles or more	22.9	—	26.5	—	26.3	.2
Rail	7.1	—	11.8	—	12.7	—
Less than 50 miles	14.4	.8	20.9	2.8	28.3	.3
50 to 99 miles	18.6	.9	29.0	2.3	29.6	.7
100 to 249 miles	8.1	1.1	15.6	2.9	16.5	2.3
250 to 499 miles	12.6	2.1	21.3	3.7	22.0	3.7
500 to 749 miles	7.8	1.4	20.4	1.6	21.5	2.6
750 to 999 miles	18.4	1.1	22.9	1.1	23.6	2.0
1,000 to 1,499 miles	13.3	.4	18.8	.2	21.9	.6
1,500 to 1,999 miles	15.0	.9	21.9	.4	23.0	1.8
2,000 miles or more	45.4	.4	44.1	.1	44.1	.7
Water	17.7	—	17.4	—	21.1	—
Less than 50 miles	33.0	5.4	33.0	4.1	48.6	.6
50 to 99 miles	41.5	3.9	40.8	4.1	S	S
100 to 249 miles	23.7	5.4	23.4	5.8	24.8	6.9
250 to 499 miles	S	S	43.5	5.0	37.9	5.7
500 to 749 miles	24.1	6.0	29.6	2.9	34.7	6.4
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Shallow draft	18.7	—	17.9	—	22.4	—
Less than 50 miles	39.4	5.3	36.2	4.2	S	S
50 to 99 miles	41.5	4.2	40.8	4.9	S	S
100 to 249 miles	25.4	6.6	24.3	6.4	25.3	6.9
250 to 499 miles	45.1	5.1	32.7	4.3	30.5	5.3
500 to 749 miles	30.8	6.2	34.2	3.1	37.7	7.2
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S
Less than 50 miles	S	S	47.1	6.6	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Air (includes truck and air)	13.1	—	14.1	—	27.4	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	19.0	.2	39.0	1.4	35.8	.5
100 to 249 miles	24.4	3.0	21.6	3.2	22.7	1.4
250 to 499 miles	16.3	3.9	22.4	3.4	21.8	2.9
500 to 749 miles	28.2	3.3	25.6	3.6	24.0	3.6
750 to 999 miles	26.2	2.0	22.1	1.3	20.9	1.2
1,000 to 1,499 miles	31.4	1.5	22.2	1.8	23.6	2.7
1,500 to 1,999 miles	15.6	1.6	17.4	1.4	17.1	2.5
2,000 miles or more	25.0	.9	S	S	S	S
Pipeline	36.8	—	37.7	—	S	S
Less than 50 miles	31.3	11.0	33.7	11.1	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	48.1	12.1	48.7	12.0	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	—	—	—	—	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	11.0	—	23.6	—	32.9	—
Less than 50 miles	9.4	.9	47.0	5.2	S	S
50 to 99 miles	14.1	.7	30.9	2.1	25.3	.2
100 to 249 miles	9.8	1.2	36.7	5.0	37.6	3.2
250 to 499 miles	12.1	1.7	43.0	4.0	S	S
500 to 749 miles	20.0	1.5	42.6	4.4	47.9	5.5
750 to 999 miles	18.3	.9	30.6	1.2	34.0	1.5
1,000 to 1,499 miles	21.8	.6	24.5	.9	24.3	1.4
1,500 to 1,999 miles	11.5	.7	15.0	2.4	15.0	5.5
2,000 miles or more	12.1	.3	23.4	.3	21.3	1.1
Parcel, U.S. Postal Service or courier	6.6	—	15.2	—	8.9	—
Less than 50 miles	10.3	.9	S	S	45.5	.5
50 to 99 miles	14.7	.8	13.5	1.0	13.8	.2
100 to 249 miles	10.6	.9	8.1	1.4	7.4	.5
250 to 499 miles	6.5	.6	8.2	1.4	8.4	.6
500 to 749 miles	8.4	.9	9.7	1.3	9.2	1.0
750 to 999 miles	9.9	.7	7.0	.6	7.1	.8
1,000 to 1,499 miles	10.3	.4	9.6	.4	9.4	.7
1,500 to 1,999 miles	7.0	.4	9.0	.7	8.7	1.5
2,000 miles or more	12.3	.2	S	S	48.3	2.6
Truck and rail	30.4	—	26.1	—	15.5	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	46.0	.2	49.8	2.2	S	S
100 to 249 miles	46.5	3.5	41.4	5.7	39.3	3.6
250 to 499 miles	28.7	5.7	26.7	2.7	27.0	2.5
500 to 749 miles	44.2	3.8	37.5	3.9	36.7	3.5
750 to 999 miles	S	S	37.7	1.9	37.5	1.8
1,000 to 1,499 miles	39.5	1.7	28.0	1.8	27.5	2.1
1,500 to 1,999 miles	22.3	5.7	16.5	4.8	16.3	4.6
2,000 miles or more	39.9	1.4	25.4	.4	25.8	.8
Truck and water	24.9	—	42.8	—	42.2	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	S	S	S	S	44.2	5.6
100 to 249 miles	27.5	7.6	45.5	8.2	43.4	7.4
250 to 499 miles	37.6	3.7	45.1	4.2	43.3	4.8
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	47.7	7.0	42.8	5.6	42.8	7.4

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	19.4	—	20.0	—	29.5	—
Less than 50 miles	28.9	5.9	25.7	8.8	25.2	4.4
50 to 99 miles	23.4	.8	23.0	2.3	23.9	.5
100 to 249 miles	18.9	2.4	30.4	4.1	37.7	3.2
250 to 499 miles	14.2	1.6	29.4	4.7	28.9	4.6
500 to 749 miles	22.4	2.2	26.5	1.1	25.8	3.1
750 to 999 miles	21.7	1.4	19.3	.5	18.8	1.5
1,000 to 1,499 miles	20.9	.3	33.0	.1	33.7	1.1
1,500 to 1,999 miles	46.1	.7	21.3	.2	21.7	1.4
2,000 miles or more	48.6	.8	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	2.4	—	8.5	—	9.5	—	7.6
Less than 50 lb	5.3	.3	5.3	—	6.6	—	9.8
50 to 99 lb	3.8	—	11.7	—	8.3	—	11.0
100 to 499 lb	4.0	.3	9.1	—	6.7	—	6.4
500 to 749 lb	5.5	.1	8.0	—	5.6	—	4.4
750 to 999 lb	4.5	—	6.7	—	6.1	—	4.5
1,000 to 9,999 lb	6.9	1.4	3.2	.3	6.5	.7	5.8
10,000 to 49,999 lb	3.3	1.0	7.3	2.5	2.2	2.5	4.6
50,000 to 99,999 lb	4.1	.2	13.0	1.3	18.7	1.0	10.6
100,000 lb or more	8.7	.6	14.5	2.8	14.9	3.0	10.6
Single modes	2.4	—	8.4	—	8.2	—	5.3
Less than 50 lb	7.3	.2	8.5	—	9.1	—	10.6
50 to 99 lb	6.8	—	13.5	—	13.7	—	15.6
100 to 499 lb	4.8	.3	8.1	—	6.3	—	5.7
500 to 749 lb	5.8	.1	7.7	—	5.6	—	4.2
750 to 999 lb	4.7	—	6.1	—	6.2	—	4.8
1,000 to 9,999 lb	4.6	.9	3.4	.3	3.6	.5	5.3
10,000 to 49,999 lb	3.6	1.0	7.3	2.5	2.2	2.3	4.7
50,000 to 99,999 lb	4.2	.2	14.1	1.5	23.0	1.0	8.4
100,000 lb or more	8.8	.7	15.0	2.8	12.3	2.8	11.1
Truck	2.6	—	8.1	—	5.2	—	4.1
Less than 50 lb	7.9	.2	8.8	—	10.7	—	8.8
50 to 99 lb	7.4	.1	13.6	—	14.5	—	16.4
100 to 499 lb	5.0	.3	8.1	—	6.5	—	5.8
500 to 749 lb	5.6	.1	7.7	—	5.6	—	4.2
750 to 999 lb	4.8	—	6.2	—	6.3	—	4.9
1,000 to 9,999 lb	4.7	1.0	3.5	.5	3.6	.6	5.3
10,000 to 49,999 lb	3.7	1.1	7.3	2.7	1.9	2.1	4.7
50,000 to 99,999 lb	4.1	.2	14.1	2.0	23.4	2.3	8.6
100,000 lb or more	14.9	.2	28.4	2.7	18.8	1.2	23.9
For-hire truck	4.2	—	11.4	—	3.3	—	4.5
Less than 50 lb	13.0	.1	11.8	—	11.8	—	7.7
50 to 99 lb	8.9	—	6.5	—	9.1	—	4.5
100 to 499 lb	7.6	.3	7.3	—	7.7	—	2.4
500 to 749 lb	8.1	.1	4.7	—	5.7	—	2.1
750 to 999 lb	9.6	.1	6.3	—	8.8	—	3.8
1,000 to 9,999 lb	7.5	1.6	5.5	.4	5.6	.6	2.6
10,000 to 49,999 lb	5.1	1.6	10.9	3.0	2.3	1.5	6.0
50,000 to 99,999 lb	7.0	.3	20.7	2.9	14.3	1.3	9.2
100,000 lb or more	15.0	.2	27.1	3.0	22.4	1.4	32.3
Private truck	4.8	—	8.6	—	15.1	—	7.5
Less than 50 lb	10.2	.3	9.4	—	14.1	—	9.7
50 to 99 lb	9.3	.2	14.7	—	29.7	—	31.6
100 to 499 lb	5.7	.6	9.1	.1	8.8	.1	8.7
500 to 749 lb	7.5	.2	9.5	—	14.4	—	5.5
750 to 999 lb	7.1	.1	8.0	—	9.1	—	5.5
1,000 to 9,999 lb	5.2	.8	5.5	.8	5.9	.9	6.7
10,000 to 49,999 lb	7.3	1.0	7.6	3.1	6.1	3.2	5.3
50,000 to 99,999 lb	4.8	.4	13.6	2.4	42.1	3.8	12.8
100,000 lb or more	20.9	.3	36.5	3.3	27.8	1.8	34.8
Rail	7.1	—	11.8	—	12.7	—	3.9
Less than 50 lb	S	S	S	S	43.3	—	28.3
50 to 99 lb	S	S	S	S	S	S	36.6
100 to 499 lb	40.6	—	S	S	48.0	—	29.5
500 to 749 lb	S	S	49.0	—	45.7	—	21.2
750 to 999 lb	44.5	—	42.6	—	S	S	19.7
1,000 to 9,999 lb	S	S	38.2	—	29.1	—	28.3
10,000 to 49,999 lb	15.9	1.8	18.9	.2	31.7	.6	7.9
50,000 to 99,999 lb	24.6	.5	19.8	.2	22.4	.2	10.1
100,000 lb or more	8.2	2.2	11.9	.3	13.0	.7	3.8
Water	17.7	—	17.4	—	21.1	—	28.4
Less than 50 lb	46.4	—	48.7	—	48.7	—	19.9
50 to 99 lb	S	S	49.8	—	49.8	—	20.5
100 to 499 lb	48.0	.5	47.4	—	42.8	—	31.7
500 to 749 lb	41.1	—	40.2	—	S	S	24.2
750 to 999 lb	S	S	S	S	S	S	21.2
1,000 to 9,999 lb	S	S	S	S	S	S	34.3
10,000 to 49,999 lb	S	S	S	S	S	S	38.2
50,000 to 99,999 lb	46.0	.4	43.3	.3	S	S	21.5
100,000 lb or more	17.8	1.3	17.7	1.0	21.2	.2	8.2
Shallow draft	18.7	—	17.9	—	22.4	—	30.1
Less than 50 lb	46.4	—	48.7	—	48.7	—	20.5
50 to 99 lb	S	S	49.8	—	49.8	—	20.5
100 to 499 lb	48.0	.5	47.4	—	42.8	—	31.7
500 to 749 lb	41.1	—	40.2	—	S	S	24.2
750 to 999 lb	S	S	S	S	S	S	21.2
1,000 to 9,999 lb	S	S	S	S	S	S	34.3
10,000 to 49,999 lb	S	S	S	S	S	S	38.2
50,000 to 99,999 lb	46.0	.4	43.3	.3	S	S	21.5
100,000 lb or more	18.8	1.3	18.1	1.0	22.4	.2	7.7

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	20.6
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	20.6
Air (includes truck and air)	13.1	—	14.1	—	27.4	—	3.6
Less than 50 lb	15.8	3.9	17.9	2.5	15.1	2.7	4.1
50 to 99 lb	19.4	1.4	12.1	1.3	14.2	1.5	4.8
100 to 499 lb	16.2	3.6	11.2	2.8	11.3	3.7	5.6
500 to 749 lb	42.0	1.9	20.6	1.1	22.3	.9	7.3
750 to 999 lb	34.6	.5	38.5	1.1	30.7	.7	22.3
1,000 to 9,999 lb	25.7	2.5	16.7	3.5	16.4	3.0	20.2
10,000 to 49,999 lb	S	S	40.2	4.9	S	S	20.3
50,000 to 99,999 lb	S	S	S	S	S	S	24.5
100,000 lb or more	—	—	—	—	—	—	—
Pipeline	36.8	—	37.7	—	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S
100,000 lb or more	37.2	10.1	37.9	10.1	S	S	S
Multiple modes	11.0	—	23.6	—	32.9	—	3.6
Less than 50 lb	8.0	3.3	7.3	1.4	8.1	1.1	3.3
50 to 99 lb	9.1	.9	12.6	.5	8.6	.5	7.0
100 to 499 lb	10.6	1.8	26.0	1.4	23.6	.9	10.9
500 to 749 lb	16.5	.2	43.9	.1	12.9	—	29.5
750 to 999 lb	27.6	.4	38.5	.1	27.3	—	37.5
1,000 to 9,999 lb	41.6	5.4	48.7	4.9	48.8	4.9	13.8
10,000 to 49,999 lb	24.2	1.5	15.8	4.5	11.8	7.0	10.1
50,000 to 99,999 lb	30.1	.4	47.1	8.4	47.0	7.6	33.4
100,000 lb or more	S	S	41.0	8.0	S	S	21.6
Parcel, U.S. Postal Service or courier	6.6	—	15.2	—	8.9	—	3.7
Less than 50 lb	8.0	1.8	7.3	3.0	8.1	2.7	3.3
50 to 99 lb	9.1	1.0	12.6	1.1	8.6	1.2	7.0
100 to 499 lb	10.6	1.6	26.0	3.5	23.6	3.2	10.9
500 to 749 lb	16.5	.3	44.0	.8	13.1	.4	29.5
750 to 999 lb	28.5	.5	38.9	.8	28.8	.9	39.3
1,000 to 9,999 lb	S	S	S	S	S	S	20.0
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	30.4	—	26.1	—	15.5	—	9.6
Less than 50 lb	S	S	S	S	S	S	21.6
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	20.5
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	S	S	46.3	—	S	S	20.4
1,000 to 9,999 lb	41.7	12.1	48.8	6.1	49.2	5.8	16.9
10,000 to 49,999 lb	24.5	11.2	17.1	7.8	12.4	5.7	10.5
50,000 to 99,999 lb	33.6	.8	33.4	1.5	34.5	1.2	40.6
100,000 lb or more	34.7	1.3	S	S	44.4	3.4	S
Truck and water	24.9	—	42.8	—	42.2	—	S
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	2.1	—	—	—	—	22.9
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	20.3
10,000 to 49,999 lb	S	S	49.0	4.3	44.3	6.0	S
50,000 to 99,999 lb	45.3	10.9	48.4	16.1	48.7	15.9	18.3
100,000 lb or more	41.4	10.4	34.5	14.0	42.7	12.9	17.2

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	S	S	S	S	S	S	21.0
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	3.7	.1	S	S	14.8	—	22.4
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	21.0
Other multiple modes	S	S	S	S	S	S	25.4
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	47.0	8.4	27.8
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	21.6
Other and unknown modes	19.4	—	20.0	—	29.5	—	S
Less than 50 lb	15.6	2.3	18.0	.2	14.4	—	S
50 to 99 lb	13.2	.6	12.8	—	27.5	—	24.7
100 to 499 lb	12.7	.9	18.1	.3	13.0	.1	23.6
500 to 749 lb	22.8	.5	17.1	—	20.2	—	22.1
750 to 999 lb	17.5	.2	16.2	—	22.9	—	31.7
1,000 to 9,999 lb	29.3	6.9	18.9	3.6	15.9	2.1	17.2
10,000 to 49,999 lb	19.0	3.1	21.2	2.9	16.2	5.7	16.7
50,000 to 99,999 lb	46.2	.3	29.7	2.1	42.4	2.1	33.7
100,000 lb or more	20.4	2.2	23.7	7.2	41.8	8.2	19.5

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	2.4	—	8.5	—	9.5	—	7.6
01	Live animals and live fish	33.0	—	33.4	—	37.7	—	16.5
02	Cereal grains	33.2	.1	33.1	.4	33.5	.6	S
03	Other agricultural products	10.5	—	31.4	.4	31.2	.7	32.2
04	Animal feed and products of animal origin, n.e.c.	20.5	.2	15.8	.4	24.5	.3	S
05	Meat, fish, seafood, and their preparations	9.7	.2	10.0	.1	13.8	.2	13.2
06	Milled grain products and preparations, and bakery products	13.1	.2	11.8	.1	12.1	.2	30.5
07	Other prepared foodstuffs and fats and oils	6.3	.3	7.1	.3	15.0	.8	23.3
08	Alcoholic beverages	11.5	.1	11.7	—	28.6	.1	12.6
09	Tobacco products	26.3	.5	14.9	—	28.7	—	18.1
10	Monumental or building stone	S	S	S	S	44.3	—	23.2
11	Natural sands	18.0	—	42.3	.8	38.3	.4	19.3
12	Gravel and crushed stone	19.3	—	15.2	2.0	16.9	.8	10.8
13	Nonmetallic minerals n.e.c.	S	S	29.2	.3	17.6	.2	13.5
14	Metallic ores and concentrates	20.0	—	38.2	.2	41.6	.1	41.0
15	Coal	15.4	.2	17.2	2.3	20.5	3.2	34.7
17	Gasoline and aviation turbine fuel	8.5	.2	10.2	.5	23.7	.4	6.2
18	Fuel oils	12.4	.1	12.7	.3	S	S	7.5
19	Coal and petroleum products, n.e.c.	12.7	—	14.4	.3	11.5	.2	12.2
20	Basic chemicals	11.5	.3	21.6	.3	22.8	.4	18.6
21	Pharmaceutical products	12.1	.3	35.7	—	31.5	—	11.6
22	Fertilizers	19.7	—	22.3	.2	47.7	.7	18.7
23	Chemical products and preparations, n.e.c.	12.3	.3	15.9	.1	22.8	.3	12.6
24	Plastics and rubber	6.0	.3	9.4	.1	12.8	.3	6.5
25	Logs and other wood in the rough	10.5	—	20.3	.9	40.1	.9	23.8
26	Wood products	4.4	.1	9.4	.7	13.4	.9	11.9
27	Pulp, newsprint, paper, and paperboard	8.8	.2	9.7	.2	11.2	1.0	11.3
28	Paper or paperboard articles	8.3	.1	11.2	—	13.4	—	13.1
29	Printed products	11.9	.4	9.1	—	9.9	.2	23.6
30	Textiles, leather, and articles of textiles or leather	12.0	.9	8.1	—	14.7	.2	3.7
31	Nonmetallic mineral products	6.0	.1	14.9	1.1	5.2	.4	13.7
32	Base metal in primary or semifinished forms and in finished basic shapes	5.0	.2	8.6	.3	11.6	.7	8.2
33	Articles of base metal	5.4	.2	9.8	.1	14.2	.5	8.7
34	Machinery	12.1	.6	9.1	—	8.2	.2	6.1
35	Electronic and other electrical equipment and components and office equipment	6.6	.5	6.7	—	8.7	.1	10.1
36	Motorized and other vehicles (including parts)	13.4	1.5	11.2	.2	14.1	.5	13.4
37	Transportation equipment, n.e.c.	14.5	.1	16.6	—	16.8	—	9.9
38	Precision instruments and apparatus	16.5	.1	19.5	—	23.6	—	7.4
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.7	.2	13.5	—	12.5	.1	8.7
40	Miscellaneous manufactured products	11.1	.5	15.5	.1	9.7	.2	7.0
41	Waste and scrap	15.4	—	16.5	.2	22.8	.2	12.9
43	Mixed freight	17.8	.6	11.1	.1	10.4	.1	15.3
—	Commodity unknown	33.8	.1	S	S	S	S	17.2

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	2.4	—	8.5	—	9.5	—	7.6
010	Live animals and live fish	33.0	—	33.4	—	37.7	—	16.5
021	Wheat	39.2	—	36.9	—	48.5	—	35.1
022	Corn, except sweet	41.3	—	39.8	.4	44.6	.6	S
029	Other cereal grains	45.4	—	49.9	.1	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	31.0	—	34.2	—	S	S	16.5
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	31.7	—	34.3	—	41.4	—	S
033	Fresh, chilled, or dried edible fruit and nuts	47.8	—	S	S	S	S	S
034	Soya beans	29.2	—	31.7	.1	40.7	.4	27.6
035	Oil seeds and nuts, except olives and soya beans	35.1	—	S	S	S	S	19.4
036	Bulbs, live plants, and seeds for sowing, n.e.c.	27.0	—	28.0	—	38.8	—	49.6
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	23.1	—	48.5	.1	35.9	—	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	49.4	.2	26.5	.1	45.1	.3	S
042	Animal feed preparations	17.8	.1	18.1	.4	24.4	.2	S
051	Meat including poultry, except preparations	11.0	.3	10.9	.1	14.8	.2	11.1
052	Fish, except live, and seafood, except preparations	31.4	—	26.3	—	24.5	—	37.6
053	Preparations, extracts, and juices of meat, fish, or seafood	31.5	—	40.6	—	41.9	—	24.1
061	Wheat flour, groats, and meal	26.6	—	26.1	—	35.6	—	16.8
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	20.5	—	19.1	—	22.6	.1	21.2
063	Food preparations of cereals, flour, starch, or milk	19.2	—	25.8	—	21.5	—	39.0
064	Bakery products	16.4	.1	15.1	—	23.3	.1	35.1
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	23.0	.1	29.5	.1	27.0	—	S
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	13.2	.1	15.7	—	20.1	.1	20.9
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	31.1	—	28.5	—	22.5	—	26.8
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	20.3	.1	22.8	.2	31.9	.7	27.4
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	36.2	—	36.2	.1	37.6	.2	16.3
076	Confectionery, cocoa, and cocoa preparations	27.4	—	24.9	—	29.0	—	15.5
077	Edible preparations, n.e.c. and vinegar	30.5	.2	35.5	.1	37.5	.2	29.1
078	Nonalcoholic beverages, n.e.c. and ice	11.9	.1	13.9	.1	16.7	—	27.6
081	Malt Beer	12.3	—	15.0	—	42.8	.1	13.3
082	Wine and other fermented beverages	24.3	—	27.8	—	26.9	—	14.9
083	Spirituos beverages and ethyl alcohol	19.6	.1	14.8	—	19.1	—	31.6
090	Tobacco products	26.3	.5	14.9	—	28.7	—	18.1
100	Monumental or building stone, except dolomite	S	S	S	S	44.3	—	23.2
110	Natural sands, except metal-bearing	18.0	—	42.3	.8	38.3	.4	19.3
120	Gravel and crushed stone, except dolomite and slate	19.3	—	15.2	2.0	16.9	.8	10.8
131	Salt	32.5	—	41.2	—	46.7	—	45.9
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	29.9	—	S	S	49.6	—	19.5
133	Dolomite	S	S	S	S	S	S	34.2
139	Other nonmetallic minerals	S	S	34.6	.2	21.6	.2	9.8
141	Iron ores and concentrates	S	S	S	S	S	S	28.8
149	Other metallic ores and concentrates	24.3	—	S	S	47.3	.1	29.8
151	Nonagglomerated bituminous coal	15.4	.2	17.2	2.3	20.6	3.2	34.8
159	Other coal	S	S	S	S	S	S	S
171	Gasoline	7.4	.2	8.9	.5	20.5	.3	6.2
172	Aviation turbine fuel (types A and B)	S	S	S	S	S	S	42.6
180	Fuel oils	12.4	.1	12.7	.3	S	S	7.5
191	Lubricating oils and greases	25.5	—	24.6	—	42.0	—	15.6
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	35.0	—	37.1	—	S	S	24.7
193	Gaseous hydrocarbons	31.3	—	40.8	—	28.0	—	46.2
199	Other products of petroleum refining, and coal products	20.0	—	20.0	.3	20.5	.2	16.5
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	S	S	S	S	S	S	18.1
202	Inorganic chemicals, n.e.c.	15.0	.1	17.0	.2	13.8	.2	34.9
203	Cyclic hydrocarbons	42.4	—	S	S	31.9	—	15.3
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	28.5	—	19.9	—	24.6	—	11.6
205	Organic chemicals, n.e.c.	15.7	.2	11.1	—	13.6	—	14.7
210	Pharmaceutical products	12.1	.3	35.7	—	31.5	—	11.6
220	Fertilizers and fertilizer materials	19.7	—	22.3	.2	47.7	.7	18.7
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	13.9	—	13.7	—	17.6	—	15.1
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	31.4	.1	S	S	40.3	—	21.1
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	29.2	—	36.3	—	46.4	.1	17.9
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	47.3	—	S	S	S	S	S
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	23.9	.2	28.6	—	43.7	.1	19.7
239	Other chemical products and preparations	34.3	.2	31.2	—	44.6	.2	16.4
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	15.5	.2	22.6	—	27.5	.2	9.5
242	Manmade fibers and plastics basic shapes and articles	9.1	.2	9.4	—	12.2	.1	7.3

See footnotes at end of table.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	6.0	.1	7.5	—	9.6	.1	10.5
250	Logs and other wood in the rough	10.5	—	20.3	.9	40.1	.9	23.8
261	Wood chips or particles	33.4	—	27.5	.5	S	S	13.2
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	6.3	—	7.5	.2	7.3	.2	9.4
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	10.8	—	10.4	—	15.1	.2	21.2
264	Builders' joinery and carpentry of wood, except shingles and shakes	12.9	—	19.2	—	21.2	—	16.8
269	Other wood products	12.5	—	18.0	—	18.8	.1	19.5
271	Pulp of fibrous cellulosic materials	20.8	—	25.2	.2	33.5	.8	23.7
272	Newsprint in large rolls or sheets	39.3	—	39.5	—	39.8	.2	S
273	Uncoated paper and paperboard in large rolls or sheets	8.9	.1	9.2	.1	11.6	.6	13.9
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	20.1	.1	23.5	—	23.5	.3	21.1
280	Paper or paperboard articles	8.3	.1	11.2	—	13.4	—	13.1
291	Printed books, brochures, leaflets, and similar printed products	21.9	.3	15.6	—	16.7	—	6.1
292	Newspapers, journals, and periodicals	17.1	.1	17.4	—	33.6	—	S
293	Advertising material, commercial or trade catalogues, and similar printed products	14.8	—	22.5	—	19.5	—	25.6
299	Other printed products	23.2	.2	13.3	—	20.4	—	11.3
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	12.0	.2	10.8	—	13.3	—	7.1
302	Textile clothing and accessories, and headgear, except safety	16.4	.7	15.1	—	30.5	.1	3.6
303	Textiles and textile articles, n.e.c.	26.5	.4	16.8	—	23.2	.1	6.1
304	Footwear	34.5	.1	33.0	—	42.8	—	13.8
305	Leather and articles, luggage of related materials, and dressed furskins and articles	26.0	—	37.0	—	33.2	—	8.8
311	Hydraulic cements	15.2	—	48.4	.7	18.6	.1	21.0
312	Ceramic products	14.9	—	S	S	23.8	—	22.1
313	Glass and glass products	13.5	—	18.2	—	19.0	.2	15.4
319	Other nonmetallic mineral products	9.3	—	13.0	.9	10.9	.3	13.8
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	16.4	—	23.1	—	27.8	.1	32.4
322	Flat-rolled products of iron or steel	12.7	.1	14.8	.2	29.2	.6	12.9
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	13.9	.2	12.6	.1	17.8	.3	12.5
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	10.5	.3	10.7	—	16.1	.3	9.9
331	Pipes, tubes, and fittings	9.4	.1	15.6	.1	20.6	.4	11.7
332	Structures and parts, except prefabricated buildings	12.4	—	14.7	—	15.7	—	7.4
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	14.1	.1	16.4	—	25.6	—	12.1
339	Other articles of metal	10.5	—	12.1	—	13.5	—	17.0
341	Internal-combustion piston engines	S	S	46.4	—	47.8	.1	11.5
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	42.3	—	28.5	—	32.5	—	20.5
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	11.9	.1	14.9	—	15.8	—	9.7
344	Air-conditioning, refrigerating, or freezing equipment	17.3	.2	20.8	—	22.5	—	20.1
345	Materials-handling, excavating, boring, and related machinery and equipment	21.4	.2	23.8	—	27.1	—	14.6
349	Other machinery	6.7	.2	8.8	—	13.2	—	9.1
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	13.5	.1	16.9	—	23.6	—	11.8
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	28.9	.1	30.9	—	31.3	—	12.6
353	Line telephone or telegraph apparatus	32.4	—	45.7	—	41.1	—	11.8
354	Electronic entertainment products, except parts	36.8	.4	26.5	—	25.1	—	8.1
355	Computer and office equipment	28.6	.4	38.5	—	41.5	—	12.6
356	Prepared unrecorded or prerecorded media	19.6	—	26.0	—	29.0	—	9.8
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	46.8	—	45.7	—	S	S	12.5
358	Electronic components and parts	34.0	.3	30.5	—	27.2	—	8.9
359	Other electronic and electrical equipment	7.3	.2	10.3	—	14.8	—	14.6
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	25.4	1.5	28.5	.1	40.9	.4	26.6
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	41.1	.4	33.1	—	47.0	.2	40.8
363	Other vehicles	13.1	.2	9.9	—	12.3	—	15.1
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	14.3	.5	16.1	—	16.5	.2	14.1
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	27.0	—	27.0	—	27.4	—	13.3
372	Aircraft and spacecraft	22.4	—	40.1	—	35.2	—	19.0
373	Ships, boats, and floating structures	23.3	—	30.5	—	26.9	—	19.7
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	S	S	S	S	13.2
382	Photographic and photocopying machines	S	S	S	S	41.8	—	24.0
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	S	S	40.4	—	37.5	—	19.3
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	23.3	.1	33.3	—	35.6	—	12.9

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	18.1	—	21.2	—	17.2	—	20.3
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.7	.2	13.5	—	12.5	.1	8.7
401	Arms and ammunition	27.4	—	29.1	—	38.8	—	23.7
402	Toys, games, and sporting equipment	13.9	—	38.8	—	25.5	—	7.4
409	Miscellaneous manufactured products	11.7	.5	16.0	.1	10.2	.2	7.3
411	Metallic waste and scrap	16.1	—	15.4	.2	23.5	.2	14.0
412	Nonmetallic waste and scrap, except from food processing	39.1	—	45.3	—	S	S	17.9
439	Mixed freight	17.8	.6	11.1	.1	10.4	.1	15.3
—	Commodity unknown	33.8	.1	S	S	S	S	17.2

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	2.4	—	8.5	—	9.5	—	7.6
Single modes	2.4	1.1	8.4	1.1	8.2	1.9	5.3
Truck	2.6	1.3	8.1	2.1	5.2	3.0	4.1
For-hire truck	4.2	1.6	11.4	1.8	3.3	2.4	4.5
Private truck	4.8	1.2	8.6	2.0	15.1	1.1	7.5
Rail	7.1	.3	11.8	1.1	12.7	2.3	3.9
Water	17.7	.2	17.4	1.1	21.1	1.8	28.4
Shallow draft	18.7	.2	17.9	1.1	22.4	1.9	30.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	20.6
Air (includes truck and air)	13.1	.1	14.1	—	27.4	—	3.6
Pipeline	36.8	.1	37.7	.2	S	S	S
Multiple modes	11.0	.8	23.6	.5	32.9	1.6	3.6
Parcel, U.S. Postal Service or courier	6.6	.4	15.2	—	8.9	—	3.7
Truck and rail	30.4	.7	26.1	.2	15.5	.4	9.6
Truck and water	24.9	—	42.8	.5	42.2	.9	S
Rail and water	S	S	S	S	S	S	21.0
Other multiple modes	S	S	S	S	S	S	25.4
Other and unknown modes	19.4	1.0	20.0	.8	29.5	.8	S
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	33.0	—	33.4	—	37.7	—	16.5
Single modes	33.0	—	33.4	—	37.7	—	16.7
Truck	33.0	—	33.4	—	37.7	—	16.7
For-hire truck	42.0	7.8	42.5	7.6	42.2	7.6	14.2
Private truck	30.9	7.8	S	S	35.2	7.6	26.8
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.2
SCTG 02, CEREAL GRAINS							
Total	33.2	—	33.1	—	33.5	—	S
Single modes	33.4	1.7	33.7	1.3	33.7	1.5	S
Truck	43.6	9.4	46.0	9.8	34.9	13.5	49.3
For-hire truck	S	S	S	S	48.6	7.8	48.0
Private truck	39.6	7.1	44.7	7.3	31.0	8.4	S
Rail	35.2	6.3	35.7	6.6	38.0	7.9	17.8
Water	45.3	8.2	45.0	8.5	46.9	12.1	21.5
Shallow draft	45.3	8.2	45.0	8.5	46.9	12.1	21.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	10.5	—	31.4	—	31.2	—	32.2
Single modes	11.3	3.4	28.3	5.2	33.4	4.9	29.6
Truck	12.6	6.0	38.8	8.7	S	S	27.5
For-hire truck	21.2	6.2	S	S	S	S	17.8
Private truck	17.4	6.1	30.9	6.8	28.7	8.3	23.2
Rail	S	S	S	S	S	S	18.7
Water	S	S	S	S	S	S	30.7
Shallow draft	S	S	S	S	S	S	30.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	43.1	.7	S	S	S	S	16.6
Parcel, U.S. Postal Service or courier	S	S	49.5	—	S	S	16.9
Truck and rail	S	S	S	S	S	S	27.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	31.8
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	20.5	—	15.8	—	24.5	—	S
Single modes	20.2	2.3	16.6	2.2	26.1	3.8	36.1
Truck	22.1	3.6	17.7	3.8	23.2	7.1	35.9
For-hire truck	34.5	4.0	39.6	3.9	32.6	5.4	16.6
Private truck	26.2	4.5	15.5	4.8	24.3	6.6	26.8
Rail	41.2	2.4	33.5	2.3	34.4	4.3	15.5
Water	S	S	S	S	S	S	22.0
Shallow draft	S	S	S	S	S	S	22.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	22.0
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	33.8	1.9	S	S	S	S	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	9.7	—	10.0	—	13.8	—	13.2
Single modes	10.0	1.1	10.4	1.1	14.0	1.1	13.3
Truck	10.0	1.1	10.4	1.1	13.4	1.1	13.4
For-hire truck	14.9	3.8	15.2	4.5	16.2	3.4	8.3
Private truck	10.6	3.8	11.3	4.2	12.1	3.4	7.9
Rail	S	S	S	S	S	S	22.4
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.3
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	48.4	1.1	44.8	1.1	S	S	46.0

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	13.1	—	11.8	—	12.1	—	30.5
Single modes	13.2	.6	11.9	.6	12.1	1.2	26.4
Truck	13.8	2.0	13.3	3.2	15.8	5.8	25.3
For-hire truck	14.5	5.7	15.4	5.0	15.0	5.5	7.8
Private truck	21.0	5.9	16.8	5.6	27.8	5.6	21.9
Rail	28.8	1.6	28.5	2.8	29.6	5.3	16.2
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	47.6	.4	44.0	.5	44.7	1.2	27.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	27.0
Truck and rail	S	S	45.0	.5	45.0	1.2	19.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	6.3	—	7.1	—	15.0	—	23.3
Single modes	6.5	.7	7.0	.7	15.1	1.1	19.6
Truck	6.8	1.6	8.4	3.4	12.4	5.4	17.9
For-hire truck	14.6	3.5	19.4	3.8	20.6	4.3	8.2
Private truck	10.4	3.7	11.6	4.5	14.5	3.4	12.3
Rail	18.0	.9	16.1	1.9	27.2	4.0	14.3
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	30.0	.6	S	S	31.0	1.0	15.2
Parcel, U.S. Postal Service or courier	28.0	—	36.2	—	32.7	—	11.8
Truck and rail	34.2	.6	S	S	31.2	1.0	21.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	34.5	.2	S	S	S	S	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	11.5	—	11.7	—	28.6	—	12.6
Single modes	11.2	1.2	12.1	3.0	33.0	5.7	10.4
Truck	11.0	1.4	12.1	3.0	35.1	5.1	10.5
For-hire truck	28.6	5.8	33.1	4.9	38.1	8.2	19.2
Private truck	7.5	6.6	10.6	6.1	11.8	8.0	6.0
Rail	47.3	1.2	47.1	.7	49.3	3.8	20.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	39.0	—	40.4	—	21.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	48.8	1.2	S	S	S	S	17.8
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.3
Truck and rail	49.9	1.2	S	S	S	S	18.5
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	S	S	S	S	S	S	49.0

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	26.3	—	14.9	—	28.7	—	18.1
Single modes	26.5	.8	15.1	.5	29.2	1.1	16.8
Truck	26.5	.8	15.1	.5	29.3	1.1	16.8
For-hire truck	35.9	9.5	26.9	6.4	35.7	7.8	10.5
Private truck	10.8	9.1	17.7	6.4	28.2	7.5	27.6
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	21.8
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	43.5	.7	40.3	.5	S	S	13.8
Parcel, U.S. Postal Service or courier	43.5	.7	40.3	.5	S	S	13.8
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	20.9
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	S	S	S	S	44.3	—	23.2
Single modes	S	S	S	S	42.1	1.1	23.2
Truck	S	S	S	S	47.8	4.4	23.4
For-hire truck	S	S	38.1	8.2	S	S	20.1
Private truck	S	S	S	S	S	S	S
Rail	S	S	S	S	S	S	21.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.3
SCTG 11, NATURAL SANDS							
Total	18.0	—	42.3	—	38.3	—	19.3
Single modes	18.4	1.1	43.5	3.3	37.3	2.6	35.9
Truck	21.2	5.9	S	S	S	S	36.3
For-hire truck	26.5	8.0	S	S	S	S	S
Private truck	37.6	9.0	40.7	8.7	44.3	10.5	11.4
Rail	S	S	S	S	S	S	36.2
Water	S	S	S	S	S	S	29.2
Shallow draft	S	S	S	S	S	S	29.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.4
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	40.8	1.1	S	S	S	S	32.1

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	19.3	—	15.2	—	16.9	—	10.8
Single modes	19.4	.6	15.5	1.1	17.2	1.0	10.5
Truck	21.6	4.2	17.7	4.2	17.3	8.4	11.1
For-hire truck	27.0	3.8	26.8	4.0	28.1	4.0	31.9
Private truck	23.4	3.7	14.4	3.3	19.7	6.8	13.3
Rail	32.6	1.2	31.2	.9	30.7	3.1	21.0
Water	37.3	3.4	40.4	3.6	47.2	7.4	24.4
Shallow draft	37.3	3.4	40.4	3.6	47.2	7.4	24.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	44.7	.1	46.7	.2	S	S	22.2
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	21.2
Rail and water	S	S	S	S	S	S	22.6
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	S	S	29.2	—	17.6	—	13.5
Single modes	S	S	29.4	1.1	18.1	1.5	13.9
Truck	S	S	39.3	5.2	15.0	5.0	15.7
For-hire truck	18.9	7.4	30.1	5.3	17.4	3.8	18.0
Private truck	S	S	S	S	28.4	2.7	19.5
Rail	27.1	5.5	25.8	4.9	23.8	5.4	11.3
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	S	S	39.0	.8	46.5	1.2	20.7
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.6
Truck and rail	44.5	.3	49.8	.7	S	S	19.7
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	.1	22.9
Other and unknown modes	S	S	49.5	.6	49.9	.6	32.2
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	20.0	—	38.2	—	41.6	—	41.0
Single modes	22.6	5.3	40.0	3.4	S	S	44.3
Truck	23.7	7.1	43.4	7.4	S	S	45.4
For-hire truck	29.4	9.3	45.9	11.0	S	S	47.8
Private truck	30.3	7.7	35.3	7.5	33.0	8.2	29.7
Rail	S	S	44.9	6.2	48.2	7.5	21.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	47.7	3.6	S	S	S	S	19.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.5
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	21.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.8

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	15.4	—	17.2	—	20.5	—	34.7
Single modes	16.9	3.3	19.4	4.0	20.8	4.2	S
Truck	32.9	5.0	36.7	5.0	34.9	1.7	28.5
For-hire truck	31.8	4.6	32.9	4.6	30.0	1.7	26.0
Private truck	S	S	S	S	S	S	S
Rail	15.3	5.2	17.2	5.6	22.3	5.4	6.8
Water	38.7	2.7	42.3	2.5	S	S	18.3
Shallow draft	38.7	2.7	42.3	2.5	S	S	18.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	34.2	2.2	33.8	2.2	40.0	3.6	18.6
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	S
Truck and water	47.1	1.7	47.3	1.7	46.6	3.2	18.8
Rail and water	S	S	S	S	S	S	21.2
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	24.1	1.9	25.4	2.7	30.1	1.7	23.7
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	8.5	—	10.2	—	23.7	—	6.2
Single modes	8.5	.1	10.2	.2	23.8	.5	6.2
Truck	8.4	5.3	8.8	6.3	11.8	12.2	6.3
For-hire truck	22.5	2.3	20.6	2.2	25.3	3.4	13.7
Private truck	7.8	5.0	8.1	5.6	9.4	10.5	7.6
Rail	S	S	S	S	S	S	22.4
Water	31.5	3.7	31.2	4.7	35.7	10.8	25.8
Shallow draft	37.5	3.2	38.2	4.3	39.2	7.6	30.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.3
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	48.0	2.9	48.3	3.3	S	S	S
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	25.1
SCTG 18, FUEL OILS							
Total	12.4	—	12.7	—	S	S	7.5
Single modes	12.1	2.9	11.9	3.4	27.7	15.8	7.5
Truck	12.1	5.8	11.5	6.7	16.1	15.9	7.4
For-hire truck	24.6	4.1	21.1	4.1	26.2	6.8	20.5
Private truck	15.0	5.6	14.9	6.2	18.5	11.6	7.7
Rail	S	S	S	S	S	S	22.2
Water	36.7	5.0	35.9	5.7	40.2	8.5	31.3
Shallow draft	S	S	S	S	S	S	34.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	48.2	2.6	48.4	3.5	S	S	21.5
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	22.8
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.3
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	45.0	—	49.2	.1	S	S	19.5

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	12.7	—	14.4	—	11.5	—	12.2
Single modes	13.0	1.7	13.7	4.4	11.4	.3	12.2
Truck	16.9	5.2	17.0	5.6	17.5	6.5	13.3
For-hire truck	24.3	5.0	19.9	4.6	20.0	5.7	13.8
Private truck	21.4	5.0	23.5	4.3	24.7	2.2	12.3
Rail	20.8	2.4	15.3	2.5	19.7	5.9	9.1
Water	41.3	4.8	S	S	43.9	6.2	21.7
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	47.2	4.6	48.4	4.1	46.9	5.8	20.6
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	S	S	S	S	S	S	S
Multiple modes	33.8	.2	37.4	—	45.0	.3	S
Parcel, U.S. Postal Service or courier	45.9	.1	S	S	S	S	19.0
Truck and rail	46.7	—	47.4	—	47.0	.3	19.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 20, BASIC CHEMICALS							
Total	11.5	—	21.6	—	22.8	—	18.6
Single modes	11.3	2.7	22.0	1.0	24.0	1.7	21.8
Truck	10.4	2.9	12.3	4.4	10.9	4.6	24.5
For-hire truck	12.1	2.4	14.6	2.4	12.0	3.4	4.3
Private truck	10.2	1.6	19.2	3.4	20.4	2.0	42.6
Rail	16.8	1.7	24.5	2.8	25.4	3.3	5.3
Water	S	S	S	S	S	S	20.3
Shallow draft	S	S	S	S	S	S	20.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	21.1
Pipeline	36.6	.7	47.4	1.5	S	S	S
Multiple modes	35.3	2.6	26.7	.3	32.9	1.0	21.3
Parcel, U.S. Postal Service or courier	46.1	2.4	S	S	S	S	20.4
Truck and rail	39.7	.9	28.2	.2	33.3	1.0	17.6
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	12.1	—	35.7	—	31.5	—	11.6
Single modes	16.5	6.5	38.5	5.6	25.1	5.9	12.6
Truck	16.9	6.8	38.7	5.8	24.7	6.2	10.6
For-hire truck	34.3	5.9	30.8	7.6	34.4	8.1	34.0
Private truck	21.2	6.9	S	S	35.0	7.2	11.1
Rail	S	S	S	S	S	S	22.4
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	19.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	25.8	5.8	22.7	5.5	19.9	6.7	10.0
Parcel, U.S. Postal Service or courier	25.8	5.8	23.1	5.5	20.4	6.8	10.0
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	42.7	2.3	S	S	S	S	S

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	19.7	—	22.3	—	47.7	—	18.7
Single modes	21.5	4.8	25.0	5.0	35.7	13.2	17.4
Truck	21.5	6.0	25.6	6.7	40.5	12.6	17.7
For-hire truck	37.0	4.8	S	S	S	S	15.3
Private truck	22.6	7.1	22.7	7.7	32.2	11.9	24.3
Rail	34.7	1.6	32.2	2.4	38.3	4.8	16.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	21.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.3
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	12.3	—	15.9	—	22.8	—	12.6
Single modes	11.9	1.7	16.2	1.4	23.6	2.0	13.5
Truck	9.5	3.8	14.4	2.8	21.0	3.3	13.2
For-hire truck	12.7	4.3	18.9	4.3	22.6	3.9	5.7
Private truck	11.3	4.7	14.3	5.2	21.0	3.6	14.9
Rail	S	S	S	S	S	S	19.7
Water	S	S	S	S	S	S	20.5
Shallow draft	S	S	S	S	S	S	20.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	48.4	—	S	S	21.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	29.0	1.4	32.3	.4	42.8	1.1	13.3
Parcel, U.S. Postal Service or courier	26.1	.9	29.6	.3	30.0	.4	13.5
Truck and rail	48.7	.9	S	S	44.2	1.0	20.0
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	42.0	1.1	36.6	1.4	S	S	S
SCTG 24, PLASTICS AND RUBBER							
Total	6.0	—	9.4	—	12.8	—	6.5
Single modes	5.5	2.1	9.8	.7	13.4	1.1	7.9
Truck	5.0	2.3	8.6	2.2	9.4	3.0	7.9
For-hire truck	6.8	2.4	10.0	2.3	9.6	2.8	3.1
Private truck	7.8	2.0	10.7	1.9	14.3	.9	12.3
Rail	25.3	1.1	34.8	2.1	40.0	2.7	9.3
Water	S	S	S	S	S	S	31.1
Shallow draft	S	S	S	S	S	S	31.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	30.8	—	S	S	36.6	—	14.7
Pipeline	—	—	—	—	S	S	S
Multiple modes	48.3	2.2	33.9	.7	28.8	.7	5.9
Parcel, U.S. Postal Service or courier	13.2	.3	9.1	—	10.6	—	5.9
Truck and rail	S	S	44.0	.6	35.7	.6	20.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	25.7	.5	26.2	.5	45.5	1.1	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	10.5	—	20.3	—	40.1	—	23.8
Single modes	12.1	4.3	20.6	1.3	40.3	4.0	8.6
Truck	13.0	4.8	22.5	4.2	16.4	9.0	7.9
For-hire truck	17.5	5.7	22.8	7.6	16.5	7.1	S
Private truck	21.9	6.2	31.3	7.8	25.4	7.0	15.2
Rail	45.8	2.8	S	S	S	S	41.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	23.1
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	23.1
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	40.0	2.0	47.7	.7	35.6	1.1	S
SCTG 26, WOOD PRODUCTS							
Total	4.4	—	9.4	—	13.4	—	11.9
Single modes	4.2	.6	9.5	.5	13.2	.9	11.7
Truck	4.7	1.7	8.5	4.0	5.6	3.5	11.9
For-hire truck	6.5	2.3	10.7	4.1	7.5	3.3	7.8
Private truck	8.2	2.5	16.0	4.6	12.1	2.3	13.7
Rail	8.9	.9	27.6	2.1	8.1	2.2	10.1
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	19.1	.2	28.1	—	45.1	.4	7.4
Parcel, U.S. Postal Service or courier	26.1	—	33.3	—	26.3	—	8.5
Truck and rail	24.4	.1	29.0	—	46.3	.4	20.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	30.3	.6	28.9	.5	37.9	.8	26.7
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	8.8	—	9.7	—	11.2	—	11.3
Single modes	8.7	1.0	9.6	1.3	11.4	1.3	11.4
Truck	9.4	3.1	11.3	3.8	12.9	4.0	11.4
For-hire truck	11.8	2.7	12.9	3.0	12.9	3.2	6.8
Private truck	16.0	3.8	18.0	4.1	29.4	1.2	8.8
Rail	11.9	2.9	12.8	3.8	14.7	4.2	7.3
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	32.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	24.8	.5	39.4	.9	34.5	1.1	18.7
Parcel, U.S. Postal Service or courier	23.2	—	20.1	—	35.3	—	23.7
Truck and rail	30.7	.5	44.4	.9	37.3	1.1	22.0
Truck and water	S	S	S	S	S	S	22.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	43.0	.6	49.5	.7	42.1	.4	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	8.3	—	11.2	—	13.4	—	13.1
Single modes	9.0	1.4	11.5	.9	14.0	1.3	14.3
Truck	9.0	1.6	11.5	1.0	14.2	1.3	12.4
For-hire truck	10.9	3.6	15.5	4.5	9.3	3.5	13.0
Private truck	13.5	3.5	16.3	4.7	43.5	3.3	15.1
Rail	49.6	.4	S	S	S	S	27.0
Water	S	S	S	S	S	S	23.1
Shallow draft	S	S	S	S	S	S	23.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	46.8	—	44.8	—	20.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.9	1.1	32.3	.2	46.7	1.0	10.6
Parcel, U.S. Postal Service or courier	24.2	1.1	23.7	.1	32.1	.4	10.7
Truck and rail	S	S	S	S	S	S	20.5
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	35.2	1.0	40.2	1.0	37.8	.9	S
SCTG 29, PRINTED PRODUCTS							
Total	11.9	—	9.1	—	9.9	—	23.6
Single modes	13.0	3.2	7.5	3.6	10.3	2.5	16.4
Truck	13.0	3.2	7.6	3.6	10.5	2.5	21.7
For-hire truck	17.7	3.7	9.4	4.1	10.9	2.9	6.9
Private truck	12.1	3.6	14.5	3.2	19.6	1.3	S
Rail	35.5	—	37.4	—	37.4	.6	19.2
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	27.3	.2	25.9	—	26.3	.1	11.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	20.4	3.1	23.9	1.5	21.2	2.6	7.7
Parcel, U.S. Postal Service or courier	21.3	3.2	30.2	1.6	20.1	2.2	7.7
Truck and rail	37.0	.4	40.3	.6	40.9	2.3	17.2
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	30.3	1.4	43.5	2.6	28.0	.8	S
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	12.0	—	8.1	—	14.7	—	3.7
Single modes	12.4	.9	8.2	.6	15.3	1.5	6.3
Truck	12.4	.9	8.2	.6	15.4	1.5	6.4
For-hire truck	18.3	3.6	11.7	3.2	17.5	2.2	3.8
Private truck	10.9	3.4	13.0	3.2	6.9	1.7	13.4
Rail	S	S	S	S	S	S	21.8
Water	S	S	S	S	S	S	23.0
Shallow draft	S	S	S	S	S	S	23.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	37.5	.1	39.3	—	38.1	—	19.7
Pipeline	—	—	—	—	S	S	S
Multiple modes	12.5	.4	16.7	.5	21.9	1.5	4.1
Parcel, U.S. Postal Service or courier	13.9	.4	24.7	.3	26.5	.3	4.1
Truck and rail	24.4	.2	29.0	.5	39.0	1.5	16.6
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	39.2	.8	25.9	.4	30.1	.3	31.5

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	6.0	—	14.9	—	5.2	—	13.7
Single modes	6.0	1.6	15.3	.7	5.7	1.9	14.5
Truck	6.3	1.7	16.4	1.8	6.1	2.6	14.7
For-hire truck	11.1	3.0	30.8	3.9	8.2	2.7	8.3
Private truck	6.8	3.2	20.8	4.4	10.8	2.3	10.5
Rail	15.2	.4	16.7	.9	13.8	1.9	13.4
Water	40.2	.6	40.3	1.5	48.5	2.6	S
Shallow draft	40.2	.6	40.3	1.5	48.5	2.6	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	45.6	—	44.0	—	39.8	—	21.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	37.0	.8	36.5	.2	35.5	1.0	14.6
Parcel, U.S. Postal Service or courier	38.6	.4	42.8	—	28.0	—	14.6
Truck and rail	S	S	46.9	.2	45.7	.9	18.5
Truck and water	46.2	—	S	S	S	S	23.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	31.0	.7	42.0	1.7	35.2
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	5.0	—	8.6	—	11.6	—	8.2
Single modes	4.9	.6	8.6	1.2	12.1	1.7	7.1
Truck	4.6	1.7	7.4	2.8	9.7	4.8	6.7
For-hire truck	5.8	1.8	7.9	1.8	10.3	4.4	5.5
Private truck	7.2	1.7	9.7	1.9	12.7	1.1	11.7
Rail	15.3	1.6	18.5	2.1	30.3	4.4	10.3
Water	48.9	.2	S	S	S	S	35.2
Shallow draft	48.9	.2	S	S	S	S	35.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	16.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.9	.4	34.5	.1	32.7	.2	14.9
Parcel, U.S. Postal Service or courier	29.7	.4	45.1	—	30.0	—	15.4
Truck and rail	45.6	.1	45.7	—	42.6	.2	19.1
Truck and water	S	S	S	S	S	S	21.2
Rail and water	—	—	—	—	—	—	22.9
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	27.7	.4	36.3	1.2	47.0	1.7	30.6
SCTG 33, ARTICLES OF BASE METAL							
Total	5.4	—	9.8	—	14.2	—	8.7
Single modes	5.7	1.3	10.3	1.2	15.3	2.5	6.0
Truck	6.4	2.2	6.9	4.5	8.2	7.2	6.1
For-hire truck	8.1	2.4	10.6	3.9	10.4	6.1	2.6
Private truck	9.0	2.4	10.6	3.1	14.0	2.2	6.3
Rail	39.3	2.3	41.8	4.3	39.2	6.7	16.6
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	31.2	.1	S	S	S	S	9.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	14.3	1.1	47.8	1.0	S	S	7.3
Parcel, U.S. Postal Service or courier	15.4	1.1	17.2	.2	18.8	.3	7.3
Truck and rail	42.8	.2	40.1	.1	39.4	.2	19.8
Truck and water	S	S	S	S	S	S	21.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	17.4	.5	28.4	.7	25.4	.5	38.3

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	12.1	—	9.1	—	8.2	—	6.1
Single modes	13.6	1.6	9.2	.9	8.2	1.9	9.2
Truck	14.3	2.5	9.8	2.4	9.1	3.3	10.0
For-hire truck	18.1	2.8	11.8	2.7	10.2	3.6	7.9
Private truck	9.0	1.5	8.7	1.5	17.0	1.4	14.4
Rail	S	S	S	S	S	S	28.7
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	22.6	.4	27.7	—	24.6	.1	6.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	13.7	1.2	23.1	.6	36.0	1.7	6.2
Parcel, U.S. Postal Service or courier	12.9	1.1	11.3	.2	14.8	.2	6.2
Truck and rail	43.1	.2	49.7	.5	S	S	18.1
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	17.8	.8	18.6	.6	22.3	.4	16.7
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	6.6	—	6.7	—	8.7	—	10.1
Single modes	8.0	2.5	6.6	.7	9.0	.9	11.7
Truck	8.0	2.4	6.8	.7	9.4	1.2	11.9
For-hire truck	10.2	3.4	9.5	4.1	11.3	3.7	4.5
Private truck	13.3	1.8	16.7	3.3	12.5	1.7	12.6
Rail	S	S	34.6	.4	30.8	1.1	15.7
Water	S	S	S	S	S	S	20.5
Shallow draft	S	S	S	S	S	S	20.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	22.9	1.1	19.4	—	25.0	.1	4.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	11.0	1.8	11.2	.3	15.3	.7	6.4
Parcel, U.S. Postal Service or courier	11.6	1.8	14.1	.3	20.0	.5	6.4
Truck and rail	31.7	.1	33.5	.2	33.7	.6	13.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	32.8	1.4	38.6	.7	41.6	.8	39.0
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	13.4	—	11.2	—	14.1	—	13.4
Single modes	11.1	5.6	10.4	4.5	10.9	4.8	17.7
Truck	11.3	5.8	10.6	4.6	11.1	4.9	17.7
For-hire truck	13.8	4.3	13.2	3.7	13.1	4.2	19.6
Private truck	10.6	2.9	12.2	3.3	17.8	3.1	19.2
Rail	S	S	47.3	.3	37.4	.3	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	31.0	.1	22.9	—	28.4	.1	7.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	37.0	3.2	42.2	2.7	44.7	4.7	11.6
Parcel, U.S. Postal Service or courier	19.7	.7	23.8	.2	18.1	.2	11.0
Truck and rail	41.5	3.4	44.9	2.7	45.9	4.8	20.0
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	36.2	5.4	34.3	4.4	40.9	2.5	S

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	14.5	—	16.6	—	16.8	—	9.9
Single modes	14.8	3.3	17.8	2.2	18.9	4.5	13.8
Truck	17.5	3.9	16.6	4.4	17.1	6.5	18.6
For-hire truck	24.9	6.3	22.8	6.7	22.3	6.5	12.7
Private truck	24.3	5.2	21.8	7.0	33.3	6.4	S
Rail	S	S	49.8	5.0	47.3	6.6	18.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	27.5	3.0	S	S	S	S	10.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	43.7	3.3	37.4	1.0	43.1	2.4	20.6
Parcel, U.S. Postal Service or courier	44.4	3.3	S	S	S	S	12.5
Truck and rail	S	S	49.3	.6	S	S	20.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	35.2	1.9	33.5	2.2	48.5	4.2	20.7
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	16.5	—	19.5	—	23.6	—	7.4
Single modes	18.0	5.7	27.0	7.7	27.1	8.5	11.9
Truck	17.8	4.8	27.6	7.5	28.4	8.0	17.4
For-hire truck	13.8	4.6	31.0	7.0	30.0	7.7	9.1
Private truck	34.1	2.1	37.6	3.7	S	S	23.8
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	29.9	4.7	28.7	.8	30.4	1.8	7.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	24.1	6.0	26.5	4.2	30.7	3.7	7.5
Parcel, U.S. Postal Service or courier	24.3	6.0	26.8	4.2	31.7	3.8	7.6
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.3
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	8.7	—	13.5	—	12.5	—	8.7
Single modes	9.0	.7	13.9	.6	13.3	1.7	8.1
Truck	9.0	.8	13.9	.7	13.4	1.8	8.5
For-hire truck	10.1	3.7	13.8	4.9	12.8	5.1	2.9
Private truck	16.6	4.1	26.1	5.2	31.4	5.4	17.2
Rail	41.3	.2	34.7	.1	40.1	.3	18.8
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	41.6	—	35.7	—	38.3	—	16.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	19.0	.3	25.8	.4	42.3	1.1	6.6
Parcel, U.S. Postal Service or courier	22.7	.2	15.7	—	14.8	—	6.5
Truck and rail	48.2	.3	48.4	.3	S	S	19.2
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	36.8	.7	29.6	.5	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	11.1	—	15.5	—	9.7	—	7.0
Single modes	12.5	1.5	16.1	.9	10.1	1.5	12.6
Truck	12.7	1.6	15.7	.8	9.9	1.4	10.6
For-hire truck	6.4	2.9	14.9	3.3	14.5	4.4	3.8
Private truck	29.2	3.3	30.2	3.3	17.4	3.1	15.9
Rail	S	S	42.0	.2	36.5	.5	17.1
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	35.4	.2	25.8	—	26.1	—	7.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	9.4	1.2	25.8	.8	33.4	1.4	4.6
Parcel, U.S. Postal Service or courier	9.8	1.1	29.3	.8	42.0	1.2	4.6
Truck and rail	S	S	40.7	.1	S	S	17.2
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	17.0	.5	21.9	.3	32.6	.5	29.6
SCTG 41, WASTE AND SCRAP							
Total	15.4	—	16.5	—	22.8	—	12.9
Single modes	15.7	1.6	16.7	1.3	23.6	1.7	10.5
Truck	14.2	4.4	18.6	4.3	22.2	6.1	11.9
For-hire truck	18.4	3.9	23.5	3.7	26.3	4.7	7.8
Private truck	19.2	4.4	23.9	4.2	36.5	3.6	14.8
Rail	38.2	4.2	26.5	4.5	36.1	6.4	15.8
Water	32.0	2.0	37.0	2.7	44.5	4.6	17.3
Shallow draft	32.0	2.0	37.0	2.7	44.5	4.6	17.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	20.7
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.3
Truck and rail	S	S	S	S	S	S	22.2
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	38.0	1.2	43.3	1.2	S	S	S
SCTG 43, MIXED FREIGHT							
Total	17.8	—	11.1	—	10.4	—	15.3
Single modes	16.6	1.3	11.4	1.8	10.0	2.9	14.1
Truck	16.6	1.3	11.4	1.8	10.0	2.9	14.0
For-hire truck	25.2	6.9	27.4	6.5	21.7	7.7	18.7
Private truck	24.2	6.9	13.1	6.3	14.7	7.5	11.8
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	41.9	.1	S	S	S	S	18.5
Parcel, U.S. Postal Service or courier	35.8	.1	35.1	—	40.8	.1	17.6
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	33.8	—	S	S	S	S	17.2
Single modes	37.1	5.2	S	S	S	S	15.3
Truck	37.3	5.5	S	S	S	S	16.1
For-hire truck	46.2	5.5	S	S	31.5	10.4	17.7
Private truck	S	S	S	S	S	S	16.3
Rail	S	S	S	S	S	S	21.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	48.5	.4	41.0	—	44.2	—	17.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	43.5
Parcel, U.S. Postal Service or courier	39.4	2.7	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	23.1
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	39.2	5.3	24.9	4.2	36.6	5.7	28.2

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	2.4	8.5	9.5
Less than 50 miles	3.6	10.4	11.6
50 to 99 miles	4.9	12.3	16.9
100 to 249 miles	5.1	8.2	10.2
250 to 499 miles	5.7	16.0	17.6
500 to 749 miles	3.4	11.0	14.7
750 to 999 miles	4.7	8.5	9.3
1,000 to 1,499 miles	7.8	5.8	7.1
1,500 to 1,999 miles	9.2	7.1	8.2
2,000 miles or more	11.7	33.8	34.3
SCTG 01, Live animals and live fish	33.0	33.4	37.7
Less than 50 miles	37.3	S	S
50 to 99 miles	S	S	S
100 to 249 miles	37.7	40.0	39.9
250 to 499 miles	47.5	49.4	S
500 to 749 miles	S	S	S
750 to 999 miles	45.4	44.4	43.5
1,000 to 1,499 miles	48.2	48.5	48.1
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	33.2	33.1	33.5
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	45.2	48.8	49.3
250 to 499 miles	33.6	34.7	35.6
500 to 749 miles	46.3	48.9	48.3
750 to 999 miles	—	—	—
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 03, Other agricultural products	10.5	31.4	31.2
Less than 50 miles	19.6	S	S
50 to 99 miles	17.8	21.6	20.0
100 to 249 miles	24.7	24.2	24.9
250 to 499 miles	30.5	48.4	S
500 to 749 miles	31.7	48.4	47.4
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	47.2	48.3	48.4
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	20.5	15.8	24.5
Less than 50 miles	29.9	14.6	16.9
50 to 99 miles	39.0	40.1	36.7
100 to 249 miles	22.7	23.0	22.6
250 to 499 miles	23.4	24.5	24.3
500 to 749 miles	29.0	S	S
750 to 999 miles	32.4	32.0	31.5
1,000 to 1,499 miles	S	49.9	49.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	9.7	10.0	13.8
Less than 50 miles	12.5	11.6	15.6
50 to 99 miles	19.6	23.9	24.8
100 to 249 miles	20.7	18.0	20.2
250 to 499 miles	13.4	13.7	13.6
500 to 749 miles	17.3	15.4	15.2
750 to 999 miles	19.1	20.6	20.5
1,000 to 1,499 miles	28.7	28.2	28.3
1,500 to 1,999 miles	21.1	23.1	23.8
2,000 miles or more	39.4	43.1	46.2
SCTG 06, Milled grain products and preparations, and bakery products	13.1	11.8	12.1
Less than 50 miles	24.0	19.1	19.1
50 to 99 miles	16.9	21.5	20.6
100 to 249 miles	15.5	15.4	15.5
250 to 499 miles	18.7	17.7	17.8
500 to 749 miles	22.0	18.4	18.2
750 to 999 miles	17.2	22.0	24.2
1,000 to 1,499 miles	28.8	27.4	27.3
1,500 to 1,999 miles	26.5	23.8	23.5
2,000 miles or more	S	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	6.3	7.1	15.0
Less than 50 miles	11.1	11.6	11.8
50 to 99 miles	11.2	12.8	13.9
100 to 249 miles	10.9	16.6	17.7
250 to 499 miles	10.7	16.4	17.2
500 to 749 miles	14.4	22.1	25.2
750 to 999 miles	23.5	28.0	27.9
1,000 to 1,499 miles	25.9	36.3	34.1
1,500 to 1,999 miles	24.9	47.9	S
2,000 miles or more	35.0	39.0	39.3

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	11.5	11.7	28.6
Less than 50 miles	7.7	11.0	12.1
50 to 99 miles	16.3	16.8	18.6
100 to 249 miles	21.4	22.3	24.6
250 to 499 miles	32.0	35.9	35.7
500 to 749 miles	26.3	24.5	24.5
750 to 999 miles	36.1	48.6	48.1
1,000 to 1,499 miles	41.4	35.8	37.3
1,500 to 1,999 miles	31.0	39.0	38.8
2,000 miles or more	46.5	49.7	S
SCTG 09, Tobacco products	26.3	14.9	28.7
Less than 50 miles	20.7	21.1	40.7
50 to 99 miles	18.3	16.5	17.5
100 to 249 miles	22.9	29.5	29.7
250 to 499 miles	32.4	22.8	24.1
500 to 749 miles	32.5	25.7	25.8
750 to 999 miles	S	45.8	46.1
1,000 to 1,499 miles	S	48.1	48.5
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	S	S	44.3
Less than 50 miles	S	S	S
50 to 99 miles	S	41.0	42.0
100 to 249 miles	43.4	43.4	45.1
250 to 499 miles	S	44.7	44.5
500 to 749 miles	S	42.8	44.2
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	18.0	42.3	38.3
Less than 50 miles	30.7	36.6	34.8
50 to 99 miles	S	S	S
100 to 249 miles	37.9	S	S
250 to 499 miles	38.7	43.5	42.9
500 to 749 miles	S	45.1	45.1
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 12, Gravel and crushed stone	19.3	15.2	16.9
Less than 50 miles	19.1	18.8	21.7
50 to 99 miles	26.8	28.4	26.9
100 to 249 miles	20.8	23.3	24.0
250 to 499 miles	33.1	34.0	37.6
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	S	29.2	17.6
Less than 50 miles	27.8	S	49.7
50 to 99 miles	S	36.1	36.6
100 to 249 miles	S	26.7	27.8
250 to 499 miles	19.6	25.5	27.1
500 to 749 miles	23.0	31.1	33.6
750 to 999 miles	22.0	24.3	24.8
1,000 to 1,499 miles	S	30.5	29.6
1,500 to 1,999 miles	42.0	40.1	38.5
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	20.0	38.2	41.6
Less than 50 miles	31.9	37.5	S
50 to 99 miles	39.7	S	S
100 to 249 miles	32.3	S	47.3
250 to 499 miles	41.2	41.0	46.3
500 to 749 miles	36.6	40.2	39.2
750 to 999 miles	49.8	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	15.4	17.2	20.5
Less than 50 miles	21.5	22.8	23.4
50 to 99 miles	30.8	33.9	45.7
100 to 249 miles	15.7	16.7	17.9
250 to 499 miles	25.2	25.9	26.8
500 to 749 miles	29.8	34.3	40.3
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	8.5	10.2	23.7
Less than 50 miles	8.6	9.1	11.4
50 to 99 miles	18.0	22.6	26.0
100 to 249 miles	30.3	31.8	36.6
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	12.4	12.7	S
Less than 50 miles	12.6	11.1	14.7
50 to 99 miles	31.4	39.2	46.5
100 to 249 miles	47.2	45.8	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	12.7	14.4	11.5
Less than 50 miles	17.1	22.5	20.3
50 to 99 miles	34.1	28.2	27.8
100 to 249 miles	19.0	22.3	22.5
250 to 499 miles	15.7	15.8	16.7
500 to 749 miles	22.1	15.6	16.2
750 to 999 miles	43.0	22.2	22.3
1,000 to 1,499 miles	45.3	37.0	36.0
1,500 to 1,999 miles	49.3	42.7	43.1
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	11.5	21.6	22.8
Less than 50 miles	13.9	24.3	20.0
50 to 99 miles	22.8	19.6	19.0
100 to 249 miles	15.9	16.0	16.7
250 to 499 miles	16.9	35.2	38.3
500 to 749 miles	11.4	16.8	15.6
750 to 999 miles	24.4	33.3	34.7
1,000 to 1,499 miles	21.5	23.0	23.8
1,500 to 1,999 miles	21.5	20.4	20.5
2,000 miles or more	39.2	41.7	42.2
SCTG 21, Pharmaceutical products	12.1	35.7	31.5
Less than 50 miles	16.1	S	S
50 to 99 miles	18.5	13.7	14.2
100 to 249 miles	16.4	22.7	18.7
250 to 499 miles	20.6	S	48.3
500 to 749 miles	22.0	26.7	28.0
750 to 999 miles	28.9	S	S
1,000 to 1,499 miles	27.1	47.8	S
1,500 to 1,999 miles	31.5	S	S
2,000 miles or more	S	44.2	45.0
SCTG 22, Fertilizers	19.7	22.3	47.7
Less than 50 miles	19.6	21.7	22.5
50 to 99 miles	20.8	22.9	23.1
100 to 249 miles	31.7	30.0	28.9
250 to 499 miles	30.8	38.7	37.6
500 to 749 miles	42.7	49.3	48.3
750 to 999 miles	40.1	47.2	45.8
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	12.3	15.9	22.8
Less than 50 miles	12.2	12.1	15.1
50 to 99 miles	23.1	29.4	29.6
100 to 249 miles	11.7	12.9	13.6
250 to 499 miles	25.4	30.6	33.6
500 to 749 miles	15.5	18.7	18.4
750 to 999 miles	19.1	25.1	26.0
1,000 to 1,499 miles	22.4	30.9	28.2
1,500 to 1,999 miles	22.8	32.0	31.2
2,000 miles or more	S	47.4	43.7
SCTG 24, Plastics and rubber	6.0	9.4	12.8
Less than 50 miles	10.3	16.1	13.2
50 to 99 miles	9.8	11.4	12.8
100 to 249 miles	6.1	8.6	7.9
250 to 499 miles	13.7	9.4	8.9
500 to 749 miles	10.0	17.5	17.0
750 to 999 miles	16.4	26.7	28.5
1,000 to 1,499 miles	17.1	20.4	22.5
1,500 to 1,999 miles	11.6	11.1	11.4
2,000 miles or more	22.5	33.5	33.7

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	10.5	20.3	40.1
Less than 50 miles	20.1	30.4	35.0
50 to 99 miles	17.5	21.1	22.1
100 to 249 miles	20.6	30.6	32.3
250 to 499 miles	32.4	25.7	26.9
500 to 749 miles	S	S	S
750 to 999 miles	40.1	S	S
1,000 to 1,499 miles	46.3	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	4.4	9.4	13.4
Less than 50 miles	7.6	13.2	9.3
50 to 99 miles	10.7	20.8	19.7
100 to 249 miles	7.3	32.1	47.1
250 to 499 miles	5.4	5.6	5.2
500 to 749 miles	8.5	8.3	8.2
750 to 999 miles	17.6	18.3	17.3
1,000 to 1,499 miles	20.0	18.7	19.3
1,500 to 1,999 miles	16.3	18.3	18.6
2,000 miles or more	27.7	35.0	35.2
SCTG 27, Pulp, newsprint, paper, and paperboard	8.8	9.7	11.2
Less than 50 miles	14.0	14.0	17.5
50 to 99 miles	12.8	15.7	15.6
100 to 249 miles	15.3	21.0	22.2
250 to 499 miles	12.5	14.1	15.3
500 to 749 miles	14.5	12.4	12.5
750 to 999 miles	15.8	24.5	26.5
1,000 to 1,499 miles	14.3	13.8	15.0
1,500 to 1,999 miles	19.7	18.8	18.9
2,000 miles or more	34.8	41.2	41.5
SCTG 28, Paper or paperboard articles	8.3	11.2	13.4
Less than 50 miles	8.6	14.6	19.6
50 to 99 miles	14.5	17.3	17.3
100 to 249 miles	16.0	18.1	18.6
250 to 499 miles	10.1	11.7	11.4
500 to 749 miles	16.4	17.8	18.7
750 to 999 miles	22.0	23.1	23.5
1,000 to 1,499 miles	34.8	48.4	48.5
1,500 to 1,999 miles	15.2	20.2	20.0
2,000 miles or more	26.0	23.6	23.6
SCTG 29, Printed products	11.9	9.1	9.9
Less than 50 miles	13.3	23.0	17.3
50 to 99 miles	14.0	23.2	22.3
100 to 249 miles	38.4	12.6	12.4
250 to 499 miles	17.2	11.7	11.3
500 to 749 miles	18.1	12.7	13.7
750 to 999 miles	14.7	14.5	14.0
1,000 to 1,499 miles	17.4	20.9	20.6
1,500 to 1,999 miles	20.5	19.6	19.2
2,000 miles or more	20.5	30.2	30.2
SCTG 30, Textiles, leather, and articles of textiles or leather	12.0	8.1	14.7
Less than 50 miles	18.0	22.3	32.9
50 to 99 miles	7.9	11.4	10.9
100 to 249 miles	10.5	9.1	9.9
250 to 499 miles	15.4	12.6	11.9
500 to 749 miles	21.3	14.4	14.8
750 to 999 miles	15.4	13.6	12.5
1,000 to 1,499 miles	17.1	12.1	12.1
1,500 to 1,999 miles	42.4	32.7	31.5
2,000 miles or more	19.4	19.3	19.3
SCTG 31, Nonmetallic mineral products	6.0	14.9	5.2
Less than 50 miles	8.1	20.6	21.2
50 to 99 miles	10.3	7.4	8.0
100 to 249 miles	12.4	9.1	10.5
250 to 499 miles	13.6	12.7	13.3
500 to 749 miles	17.6	13.6	14.0
750 to 999 miles	18.7	15.4	15.3
1,000 to 1,499 miles	28.0	20.3	21.5
1,500 to 1,999 miles	S	30.3	31.8
2,000 miles or more	25.1	22.4	20.5
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	5.0	8.6	11.6
Less than 50 miles	8.5	10.2	12.4
50 to 99 miles	13.3	12.8	12.2
100 to 249 miles	7.7	15.3	21.4
250 to 499 miles	7.9	10.4	11.4
500 to 749 miles	11.4	14.3	14.3
750 to 999 miles	14.2	15.2	15.1
1,000 to 1,499 miles	15.7	19.8	21.4
1,500 to 1,999 miles	22.1	40.2	44.0
2,000 miles or more	S	S	S

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	5.4	9.8	14.2
Less than 50 miles	10.7	7.5	11.3
50 to 99 miles	12.2	14.5	13.3
100 to 249 miles	7.1	13.6	16.3
250 to 499 miles	8.2	13.0	12.7
500 to 749 miles	10.3	24.2	23.9
750 to 999 miles	12.0	28.4	34.9
1,000 to 1,499 miles	10.9	15.7	15.7
1,500 to 1,999 miles	14.4	28.7	33.0
2,000 miles or more	23.3	S	S
SCTG 34, Machinery	12.1	9.1	8.2
Less than 50 miles	10.7	13.5	12.2
50 to 99 miles	14.6	14.2	13.8
100 to 249 miles	12.3	16.1	15.1
250 to 499 miles	33.9	23.3	25.3
500 to 749 miles	10.4	8.7	9.5
750 to 999 miles	10.5	12.5	12.0
1,000 to 1,499 miles	13.8	17.9	18.9
1,500 to 1,999 miles	13.3	16.0	15.5
2,000 miles or more	23.9	31.7	30.3
SCTG 35, Electronic and other electrical equipment and components and office equipment	6.6	6.7	8.7
Less than 50 miles	11.7	18.7	22.6
50 to 99 miles	15.0	15.9	13.9
100 to 249 miles	9.2	9.2	8.8
250 to 499 miles	10.8	12.8	13.0
500 to 749 miles	10.0	9.8	10.0
750 to 999 miles	11.7	15.4	15.4
1,000 to 1,499 miles	43.0	22.3	22.5
1,500 to 1,999 miles	10.4	19.3	18.9
2,000 miles or more	S	31.8	30.6
SCTG 36, Motorized and other vehicles (including parts)	13.4	11.2	14.1
Less than 50 miles	26.8	20.5	19.9
50 to 99 miles	16.7	18.5	18.8
100 to 249 miles	14.3	12.4	13.4
250 to 499 miles	16.4	16.8	18.0
500 to 749 miles	23.1	20.8	22.0
750 to 999 miles	28.2	22.4	24.4
1,000 to 1,499 miles	21.2	18.7	18.9
1,500 to 1,999 miles	23.3	20.2	20.3
2,000 miles or more	26.2	31.2	30.5
SCTG 37, Transportation equipment, n.e.c.	14.5	16.6	16.8
Less than 50 miles	S	44.0	49.6
50 to 99 miles	S	S	S
100 to 249 miles	21.9	23.9	21.7
250 to 499 miles	21.3	28.7	30.7
500 to 749 miles	16.5	29.4	29.9
750 to 999 miles	25.8	22.8	22.5
1,000 to 1,499 miles	39.6	S	S
1,500 to 1,999 miles	36.5	30.2	29.7
2,000 miles or more	35.9	31.3	32.1
SCTG 38, Precision instruments and apparatus	16.5	19.5	23.6
Less than 50 miles	35.2	32.6	37.3
50 to 99 miles	28.8	30.0	30.4
100 to 249 miles	25.3	30.6	30.5
250 to 499 miles	19.0	29.3	27.6
500 to 749 miles	23.3	35.5	34.4
750 to 999 miles	24.2	30.8	30.3
1,000 to 1,499 miles	30.4	45.4	44.7
1,500 to 1,999 miles	32.3	34.1	33.0
2,000 miles or more	27.3	45.9	49.7
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.7	13.5	12.5
Less than 50 miles	21.2	38.5	32.3
50 to 99 miles	14.3	16.2	15.9
100 to 249 miles	11.8	10.8	9.8
250 to 499 miles	9.2	13.7	14.3
500 to 749 miles	12.9	16.9	16.2
750 to 999 miles	12.9	15.1	15.5
1,000 to 1,499 miles	15.5	34.7	34.6
1,500 to 1,999 miles	16.0	14.4	14.5
2,000 miles or more	19.0	21.3	24.4
SCTG 40, Miscellaneous manufactured products	11.1	15.5	9.7
Less than 50 miles	16.4	29.6	31.5
50 to 99 miles	42.3	39.4	39.2
100 to 249 miles	23.7	21.3	17.3
250 to 499 miles	7.2	10.4	10.4
500 to 749 miles	9.4	16.2	16.0
750 to 999 miles	9.6	13.8	13.6
1,000 to 1,499 miles	12.1	20.9	22.0
1,500 to 1,999 miles	15.4	13.8	14.0
2,000 miles or more	21.5	40.7	38.7

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	15.4	16.5	22.8
Less than 50 miles	13.4	14.3	15.4
50 to 99 miles	26.3	31.1	29.6
100 to 249 miles	21.7	29.5	30.5
250 to 499 miles	38.0	38.2	39.4
500 to 749 miles	19.4	25.1	23.9
750 to 999 miles	41.4	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	17.8	11.1	10.4
Less than 50 miles	17.9	16.1	18.7
50 to 99 miles	22.7	13.9	13.9
100 to 249 miles	28.3	12.2	12.2
250 to 499 miles	18.8	14.7	15.1
500 to 749 miles	20.5	22.9	23.9
750 to 999 miles	32.9	36.9	39.2
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	42.6	46.9	48.5
2,000 miles or more	45.6	39.9	39.8
Commodity unknown	33.8	S	S
Less than 50 miles	S	47.3	43.4
50 to 99 miles	S	29.7	29.7
100 to 249 miles	S	45.1	48.7
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	42.1	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	43.0	41.0	41.0
2,000 miles or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	2.4	8.5	9.5
Less than 50 lb	5.3	5.3	6.6
50 to 99 lb	3.8	11.7	8.3
100 to 499 lb	4.0	9.1	6.7
500 to 749 lb	5.5	8.0	5.6
750 to 999 lb	4.5	6.7	6.1
1,000 to 9,999 lb	6.9	3.2	6.5
10,000 to 49,999 lb	3.3	7.3	2.2
50,000 to 99,999 lb	4.1	13.0	18.7
100,000 lb or more	8.7	14.5	14.9
SCTG 01, Live animals and live fish	33.0	33.4	37.7
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	44.6	38.0	38.7
10,000 to 49,999 lb	31.2	31.4	34.7
50,000 to 99,999 lb	S	47.6	S
100,000 lb or more	49.6	47.7	S
SCTG 02, Cereal grains	33.2	33.1	33.5
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	44.5	S	S
1,000 to 9,999 lb	35.0	27.2	24.1
10,000 to 49,999 lb	42.3	38.5	43.5
50,000 to 99,999 lb	S	S	42.1
100,000 lb or more	32.2	32.1	38.8
SCTG 03, Other agricultural products	10.5	31.4	31.2
Less than 50 lb	43.9	S	40.8
50 to 99 lb	34.2	46.0	37.0
100 to 499 lb	29.8	35.2	25.9
500 to 749 lb	24.4	40.9	27.2
750 to 999 lb	35.2	38.8	34.8
1,000 to 9,999 lb	21.9	24.4	30.4
10,000 to 49,999 lb	20.4	34.4	30.7
50,000 to 99,999 lb	37.9	34.8	42.9
100,000 lb or more	25.9	40.4	36.6
SCTG 04, Animal feed and products of animal origin, n.e.c.	20.5	15.8	24.5
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	34.7	21.4	37.9
10,000 to 49,999 lb	24.3	25.0	26.2
50,000 to 99,999 lb	13.3	13.1	19.6
100,000 lb or more	32.8	40.9	S
SCTG 05, Meat, fish, seafood, and their preparations	9.7	10.0	13.8
Less than 50 lb	20.6	28.1	31.8
50 to 99 lb	21.4	26.8	26.2
100 to 499 lb	17.7	25.9	22.3
500 to 749 lb	29.6	34.3	32.5
750 to 999 lb	21.2	29.2	22.2
1,000 to 9,999 lb	9.6	9.2	11.7
10,000 to 49,999 lb	11.6	11.5	14.8
50,000 to 99,999 lb	S	46.2	43.0
100,000 lb or more	S	36.0	S
SCTG 06, Milled grain products and preparations, and bakery products	13.1	11.8	12.1
Less than 50 lb	S	S	S
50 to 99 lb	36.8	39.1	43.0
100 to 499 lb	S	43.5	45.6
500 to 749 lb	42.9	40.0	36.0
750 to 999 lb	21.2	36.9	35.0
1,000 to 9,999 lb	22.5	26.4	31.4
10,000 to 49,999 lb	14.1	12.4	14.1
50,000 to 99,999 lb	24.3	27.1	26.4
100,000 lb or more	29.2	26.5	28.8
SCTG 07, Other prepared foodstuffs and fats and oils	6.3	7.1	15.0
Less than 50 lb	20.2	31.6	32.9
50 to 99 lb	27.5	33.9	43.8
100 to 499 lb	15.2	21.1	23.9
500 to 749 lb	24.2	24.4	36.2
750 to 999 lb	16.9	19.9	27.9
1,000 to 9,999 lb	8.8	13.5	10.0
10,000 to 49,999 lb	9.6	9.4	18.3
50,000 to 99,999 lb	17.6	20.2	23.8
100,000 lb or more	21.4	20.0	26.6

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	11.5	11.7	28.6
Less than 50 lb	19.6	15.1	19.1
50 to 99 lb	18.5	12.4	14.8
100 to 499 lb	8.3	9.1	10.5
500 to 749 lb	6.2	8.7	9.1
750 to 999 lb	10.9	12.9	12.7
1,000 to 9,999 lb	9.6	12.2	12.8
10,000 to 49,999 lb	23.4	24.7	29.0
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	26.3	14.9	28.7
Less than 50 lb	17.5	15.0	32.0
50 to 99 lb	20.0	17.7	37.9
100 to 499 lb	14.7	17.4	25.7
500 to 749 lb	18.0	24.4	42.5
750 to 999 lb	32.9	32.3	48.2
1,000 to 9,999 lb	28.5	25.5	29.0
10,000 to 49,999 lb	47.7	32.1	43.0
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	S	S	44.3
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	49.2	S
10,000 to 49,999 lb	S	40.3	41.9
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	44.0
SCTG 11, Natural sands	18.0	42.3	38.3
Less than 50 lb	—	—	—
50 to 99 lb	S	S	S
100 to 499 lb	S	S	49.8
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	49.9	41.5	30.7
10,000 to 49,999 lb	26.0	40.1	41.5
50,000 to 99,999 lb	39.6	S	S
100,000 lb or more	38.5	37.2	47.1
SCTG 12, Gravel and crushed stone	19.3	15.2	16.9
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	45.4	46.6	S
1,000 to 9,999 lb	S	40.3	36.2
10,000 to 49,999 lb	23.2	23.5	21.2
50,000 to 99,999 lb	26.5	26.6	31.1
100,000 lb or more	20.5	23.2	36.2
SCTG 13, Nonmetallic minerals n.e.c.	S	29.2	17.6
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	40.7	22.0	40.0
500 to 749 lb	S	S	36.7
750 to 999 lb	45.1	43.4	S
1,000 to 9,999 lb	35.5	29.0	S
10,000 to 49,999 lb	S	25.1	14.3
50,000 to 99,999 lb	35.7	36.6	25.9
100,000 lb or more	27.3	47.3	23.2
SCTG 14, Metallic ores and concentrates	20.0	38.2	41.6
Less than 50 lb	S	41.5	S
50 to 99 lb	S	S	S
100 to 499 lb	S	46.7	S
500 to 749 lb	44.8	S	42.5
750 to 999 lb	S	S	S
1,000 to 9,999 lb	46.1	36.0	44.3
10,000 to 49,999 lb	26.6	S	S
50,000 to 99,999 lb	44.1	43.1	43.9
100,000 lb or more	29.5	33.6	32.9
SCTG 15, Coal	15.4	17.2	20.5
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	43.1
10,000 to 49,999 lb	35.8	33.4	S
50,000 to 99,999 lb	37.9	37.1	38.3
100,000 lb or more	15.9	18.3	22.6

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	8.5	10.2	23.7
Less than 50 lb	43.2	32.4	35.4
50 to 99 lb	37.4	42.0	40.9
100 to 499 lb	S	40.6	S
500 to 749 lb	S	44.9	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	28.7	30.2	29.9
10,000 to 49,999 lb	12.7	14.0	12.2
50,000 to 99,999 lb	7.9	8.3	12.3
100,000 lb or more	29.5	31.1	34.0
SCTG 18, Fuel oils	12.4	12.7	S
Less than 50 lb	S	S	S
50 to 99 lb	32.4	25.2	26.4
100 to 499 lb	S	27.2	37.4
500 to 749 lb	39.7	38.1	37.0
750 to 999 lb	40.0	29.2	42.2
1,000 to 9,999 lb	25.5	22.0	25.8
10,000 to 49,999 lb	21.8	21.2	24.7
50,000 to 99,999 lb	13.2	13.4	17.4
100,000 lb or more	29.5	29.6	S
SCTG 19, Coal and petroleum products, n.e.c.	12.7	14.4	11.5
Less than 50 lb	25.8	19.3	31.4
50 to 99 lb	30.1	24.4	36.3
100 to 499 lb	26.2	30.4	34.0
500 to 749 lb	23.9	27.9	38.8
750 to 999 lb	36.0	37.5	44.8
1,000 to 9,999 lb	28.9	26.1	S
10,000 to 49,999 lb	22.7	28.0	23.3
50,000 to 99,999 lb	40.1	31.6	29.1
100,000 lb or more	17.1	28.7	15.1
SCTG 20, Basic chemicals	11.5	21.6	22.8
Less than 50 lb	43.9	36.8	47.6
50 to 99 lb	44.2	25.7	S
100 to 499 lb	36.5	27.6	29.7
500 to 749 lb	26.9	28.3	26.0
750 to 999 lb	14.2	31.9	31.4
1,000 to 9,999 lb	21.0	11.4	16.9
10,000 to 49,999 lb	10.8	12.8	10.8
50,000 to 99,999 lb	25.2	32.9	30.6
100,000 lb or more	19.9	31.6	33.0
SCTG 21, Pharmaceutical products	12.1	35.7	31.5
Less than 50 lb	19.8	16.6	20.3
50 to 99 lb	32.4	14.7	14.8
100 to 499 lb	24.7	18.5	21.1
500 to 749 lb	37.6	22.3	45.0
750 to 999 lb	44.8	27.4	34.5
1,000 to 9,999 lb	31.9	15.5	30.5
10,000 to 49,999 lb	S	33.3	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	19.7	22.3	47.7
Less than 50 lb	46.5	S	S
50 to 99 lb	S	41.3	S
100 to 499 lb	37.3	23.4	S
500 to 749 lb	37.5	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	25.7	29.8	26.8
10,000 to 49,999 lb	26.3	33.8	49.6
50,000 to 99,999 lb	20.7	20.8	27.5
100,000 lb or more	31.5	28.2	S
SCTG 23, Chemical products and preparations, n.e.c.	12.3	15.9	22.8
Less than 50 lb	26.1	15.7	31.0
50 to 99 lb	16.2	24.8	39.9
100 to 499 lb	17.0	16.6	32.0
500 to 749 lb	12.1	14.4	19.2
750 to 999 lb	18.3	22.9	46.0
1,000 to 9,999 lb	10.1	12.0	11.7
10,000 to 49,999 lb	14.5	18.0	25.4
50,000 to 99,999 lb	35.0	S	S
100,000 lb or more	S	47.3	S
SCTG 24, Plastics and rubber	6.0	9.4	12.8
Less than 50 lb	12.0	8.1	9.8
50 to 99 lb	13.0	9.3	10.8
100 to 499 lb	8.7	8.6	9.4
500 to 749 lb	12.8	12.5	9.4
750 to 999 lb	10.8	8.8	12.6
1,000 to 9,999 lb	7.2	11.6	8.7
10,000 to 49,999 lb	9.1	10.7	9.8
50,000 to 99,999 lb	25.3	29.1	26.9
100,000 lb or more	30.7	37.4	46.9

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	10.5	20.3	40.1
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	45.8	49.1	S
1,000 to 9,999 lb	28.9	S	24.5
10,000 to 49,999 lb	15.0	22.0	14.0
50,000 to 99,999 lb	14.5	13.9	14.6
100,000 lb or more	38.9	S	S
SCTG 26, Wood products	4.4	9.4	13.4
Less than 50 lb	20.1	19.2	27.5
50 to 99 lb	28.1	28.8	25.1
100 to 499 lb	15.8	20.4	14.9
500 to 749 lb	19.1	17.3	28.2
750 to 999 lb	17.6	21.6	25.6
1,000 to 9,999 lb	8.8	11.2	7.8
10,000 to 49,999 lb	6.2	5.5	7.1
50,000 to 99,999 lb	11.0	17.9	12.8
100,000 lb or more	15.4	38.1	35.6
SCTG 27, Pulp, newsprint, paper, and paperboard	8.8	9.7	11.2
Less than 50 lb	27.7	23.7	25.0
50 to 99 lb	20.1	24.3	17.3
100 to 499 lb	15.6	14.8	20.1
500 to 749 lb	18.7	17.9	19.5
750 to 999 lb	21.3	20.4	36.9
1,000 to 9,999 lb	27.3	17.8	21.6
10,000 to 49,999 lb	9.2	10.3	12.3
50,000 to 99,999 lb	25.1	27.9	29.2
100,000 lb or more	12.0	13.0	14.8
SCTG 28, Paper or paperboard articles	8.3	11.2	13.4
Less than 50 lb	21.5	19.6	29.3
50 to 99 lb	18.0	17.6	31.2
100 to 499 lb	13.6	12.7	20.3
500 to 749 lb	14.4	14.8	26.7
750 to 999 lb	32.8	20.2	30.8
1,000 to 9,999 lb	12.6	15.0	28.5
10,000 to 49,999 lb	10.7	12.9	11.8
50,000 to 99,999 lb	47.7	47.0	45.4
100,000 lb or more	S	S	42.7
SCTG 29, Printed products	11.9	9.1	9.9
Less than 50 lb	22.3	16.2	22.8
50 to 99 lb	26.2	19.5	24.2
100 to 499 lb	19.9	30.7	26.2
500 to 749 lb	11.0	16.2	18.4
750 to 999 lb	20.8	21.5	25.9
1,000 to 9,999 lb	22.3	19.0	18.8
10,000 to 49,999 lb	10.3	10.9	14.2
50,000 to 99,999 lb	45.1	35.9	45.9
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	12.0	8.1	14.7
Less than 50 lb	16.8	23.2	25.8
50 to 99 lb	13.7	16.8	20.1
100 to 499 lb	16.2	13.0	13.6
500 to 749 lb	15.4	15.3	15.0
750 to 999 lb	22.4	24.3	24.4
1,000 to 9,999 lb	20.1	19.7	28.5
10,000 to 49,999 lb	15.4	9.0	18.9
50,000 to 99,999 lb	40.4	S	46.3
100,000 lb or more	S	43.8	38.4
SCTG 31, Nonmetallic mineral products	6.0	14.9	5.2
Less than 50 lb	23.7	21.2	28.6
50 to 99 lb	21.4	20.4	26.9
100 to 499 lb	16.7	17.5	34.0
500 to 749 lb	33.1	17.8	47.9
750 to 999 lb	22.5	18.7	36.3
1,000 to 9,999 lb	13.8	10.3	12.7
10,000 to 49,999 lb	7.7	11.7	6.9
50,000 to 99,999 lb	16.5	17.4	14.6
100,000 lb or more	14.6	45.5	10.9
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	5.0	8.6	11.6
Less than 50 lb	30.8	14.4	19.5
50 to 99 lb	15.8	18.1	15.9
100 to 499 lb	12.6	18.0	21.3
500 to 749 lb	15.9	14.8	19.3
750 to 999 lb	14.8	16.2	16.0
1,000 to 9,999 lb	6.9	10.6	9.4
10,000 to 49,999 lb	7.4	8.5	10.5
50,000 to 99,999 lb	13.6	17.8	27.5
100,000 lb or more	14.3	21.9	28.1

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	5.4	9.8	14.2
Less than 50 lb	11.8	10.9	20.7
50 to 99 lb	9.3	7.2	15.2
100 to 499 lb	11.4	8.3	11.3
500 to 749 lb	15.8	10.0	14.1
750 to 999 lb	11.0	9.2	11.7
1,000 to 9,999 lb	9.4	7.0	7.7
10,000 to 49,999 lb	7.4	7.8	8.9
50,000 to 99,999 lb	44.0	40.0	S
100,000 lb or more	35.5	35.1	33.1
SCTG 34, Machinery	12.1	9.1	8.2
Less than 50 lb	10.5	10.8	13.2
50 to 99 lb	12.9	12.8	13.9
100 to 499 lb	8.9	9.3	10.2
500 to 749 lb	11.0	10.5	14.3
750 to 999 lb	15.5	13.3	18.3
1,000 to 9,999 lb	10.0	11.3	13.5
10,000 to 49,999 lb	22.9	13.1	11.3
50,000 to 99,999 lb	21.2	32.5	43.8
100,000 lb or more	46.9	44.5	44.0
SCTG 35, Electronic and other electrical equipment and components and office equipment	6.6	6.7	8.7
Less than 50 lb	8.2	9.8	23.3
50 to 99 lb	10.0	12.1	12.7
100 to 499 lb	9.3	12.9	14.6
500 to 749 lb	17.0	12.2	16.6
750 to 999 lb	20.2	11.7	16.8
1,000 to 9,999 lb	14.4	10.9	11.5
10,000 to 49,999 lb	12.0	8.9	10.8
50,000 to 99,999 lb	40.9	30.2	39.3
100,000 lb or more	45.4	49.5	42.1
SCTG 36, Motorized and other vehicles (including parts)	13.4	11.2	14.1
Less than 50 lb	13.6	16.7	21.5
50 to 99 lb	15.0	15.2	16.7
100 to 499 lb	10.2	10.3	11.5
500 to 749 lb	14.7	12.7	13.8
750 to 999 lb	17.4	12.0	13.8
1,000 to 9,999 lb	20.7	21.0	29.4
10,000 to 49,999 lb	14.9	13.9	14.9
50,000 to 99,999 lb	35.5	34.2	S
100,000 lb or more	41.0	S	S
SCTG 37, Transportation equipment, n.e.c.	14.5	16.6	16.8
Less than 50 lb	34.5	49.3	32.2
50 to 99 lb	31.5	S	33.6
100 to 499 lb	35.5	S	S
500 to 749 lb	39.4	18.4	22.6
750 to 999 lb	29.6	26.9	33.0
1,000 to 9,999 lb	20.3	18.8	21.3
10,000 to 49,999 lb	27.6	22.7	23.4
50,000 to 99,999 lb	S	S	47.3
100,000 lb or more	15.9	34.3	34.1
SCTG 38, Precision instruments and apparatus	16.5	19.5	23.6
Less than 50 lb	23.0	26.7	37.3
50 to 99 lb	35.9	18.1	20.6
100 to 499 lb	24.6	19.0	26.6
500 to 749 lb	S	21.6	24.6
750 to 999 lb	31.6	31.7	43.7
1,000 to 9,999 lb	25.4	30.1	37.2
10,000 to 49,999 lb	39.2	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.7	13.5	12.5
Less than 50 lb	23.3	37.7	17.4
50 to 99 lb	20.7	25.0	18.2
100 to 499 lb	9.4	9.7	11.1
500 to 749 lb	9.8	9.2	11.8
750 to 999 lb	14.1	12.5	14.4
1,000 to 9,999 lb	10.8	15.7	14.0
10,000 to 49,999 lb	14.1	16.2	14.4
50,000 to 99,999 lb	41.1	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	11.1	15.5	9.7
Less than 50 lb	8.6	10.7	11.0
50 to 99 lb	14.5	17.9	11.1
100 to 499 lb	9.8	20.8	36.9
500 to 749 lb	22.8	12.4	14.0
750 to 999 lb	17.7	12.4	15.1
1,000 to 9,999 lb	9.5	7.5	8.1
10,000 to 49,999 lb	24.8	19.7	11.4
50,000 to 99,999 lb	17.2	34.6	34.0
100,000 lb or more	29.6	31.6	39.1

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	15.4	16.5	22.8
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	28.9	49.9	S
500 to 749 lb	S	S	S
750 to 999 lb	49.3	49.4	S
1,000 to 9,999 lb	23.8	29.5	S
10,000 to 49,999 lb	13.1	17.9	18.6
50,000 to 99,999 lb	21.8	20.9	26.7
100,000 lb or more	27.8	22.1	28.6
SCTG 43, Mixed freight	17.8	11.1	10.4
Less than 50 lb	19.4	21.3	26.1
50 to 99 lb	30.1	33.1	28.3
100 to 499 lb	20.5	24.3	25.8
500 to 749 lb	21.9	28.1	41.6
750 to 999 lb	39.1	30.4	34.5
1,000 to 9,999 lb	30.7	19.4	22.5
10,000 to 49,999 lb	13.5	12.9	12.1
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	33.8	S	S
Less than 50 lb	24.2	31.8	30.6
50 to 99 lb	49.9	34.1	39.1
100 to 499 lb	25.9	38.0	32.1
500 to 749 lb	35.6	29.7	37.8
750 to 999 lb	S	S	S
1,000 to 9,999 lb	40.3	30.1	28.6
10,000 to 49,999 lb	S	49.6	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	42.3

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	2.4	8.5	9.5	7.6	3.6	10.4	11.6	4.9	12.3	16.9
Less than 50 lb	5.3	5.3	6.6	9.8	4.4	9.5	10.2	11.8	9.1	9.0
50 to 99 lb	3.8	11.7	8.3	11.0	6.5	18.3	18.9	12.7	13.1	13.0
100 to 499 lb	4.0	9.1	6.7	6.4	4.9	12.3	12.9	6.9	8.7	9.0
500 to 749 lb	5.5	8.0	5.6	4.4	6.9	9.4	11.0	9.7	14.3	13.6
750 to 999 lb	4.5	6.7	6.1	4.5	7.2	9.2	10.4	16.1	7.4	7.8
1,000 to 9,999 lb	6.9	3.2	6.5	5.8	11.1	6.3	7.4	9.7	5.7	5.7
10,000 to 49,999 lb	3.3	7.3	2.2	4.6	3.5	12.6	13.1	8.0	7.2	7.8
50,000 to 99,999 lb	4.1	13.0	18.7	10.6	4.7	13.4	14.4	9.3	21.7	21.4
100,000 lb or more	8.7	14.5	14.9	10.6	11.6	20.1	21.3	20.9	19.4	31.0
SCTG 01, Live animals and live fish	33.0	33.4	37.7	16.5	37.3	S	S	S	S	S
Less than 50 lb	S	S	S	21.7	S	S	S	S	S	S
50 to 99 lb	S	S	S	21.2	S	S	S	S	S	S
100 to 499 lb	S	S	S	24.7	S	S	48.4	S	S	S
500 to 749 lb	S	S	S	22.9	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.8	S	S	S	S	S	S
1,000 to 9,999 lb	44.6	38.0	38.7	43.9	S	47.7	S	49.1	41.9	42.6
10,000 to 49,999 lb	31.2	31.4	34.7	16.2	43.1	S	S	S	S	S
50,000 to 99,999 lb	S	47.6	S	18.7	S	S	S	—	—	—
100,000 lb or more	49.6	47.7	S	24.3	S	S	S	—	—	—
SCTG 02, Cereal grains	33.2	33.1	33.5	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	22.3	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	44.5	S	S	40.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	24.3	S	S	S	—	—	—
1,000 to 9,999 lb	35.0	27.2	24.1	31.3	42.2	31.6	23.5	S	S	S
10,000 to 49,999 lb	42.3	38.5	43.5	17.7	31.7	32.7	38.7	S	49.5	S
50,000 to 99,999 lb	S	S	42.1	46.2	48.8	47.3	S	S	S	S
100,000 lb or more	32.2	32.1	38.8	18.3	S	S	S	S	S	S
SCTG 03, Other agricultural products	10.5	31.4	31.2	32.2	19.6	S	S	17.8	21.6	20.0
Less than 50 lb	43.9	S	40.8	S	S	S	S	S	S	S
50 to 99 lb	34.2	46.0	37.0	S	46.1	47.3	S	S	S	S
100 to 499 lb	29.8	35.2	25.9	38.8	39.3	41.4	49.7	23.3	26.6	25.4
500 to 749 lb	24.4	40.9	27.2	S	33.5	48.2	S	39.7	38.4	37.0
750 to 999 lb	35.2	38.8	34.8	12.6	46.4	48.3	S	47.5	46.0	47.5
1,000 to 9,999 lb	21.9	24.4	30.4	14.5	22.6	31.2	39.1	27.7	29.6	28.3
10,000 to 49,999 lb	20.4	34.4	30.7	28.2	23.0	S	S	35.9	35.1	32.4
50,000 to 99,999 lb	37.9	34.8	42.9	S	S	S	S	S	S	S
100,000 lb or more	25.9	40.4	36.6	18.9	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	20.5	15.8	24.5	S	29.9	14.6	16.9	39.0	40.1	36.7
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	26.7	S	S	S	41.0	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	38.4	39.5
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.7	21.4	37.9	21.4	43.4	23.0	26.7	37.3	S	47.9
10,000 to 49,999 lb	24.3	25.0	26.2	9.4	25.3	23.4	28.2	S	47.5	44.7
50,000 to 99,999 lb	13.3	13.1	19.6	16.1	13.5	14.3	11.6	39.4	37.4	35.1
100,000 lb or more	32.8	40.9	S	21.3	44.3	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	9.7	10.0	13.8	13.2	12.5	11.6	15.6	19.6	23.9	24.8
Less than 50 lb	20.6	28.1	31.8	14.0	22.3	30.1	30.2	32.9	S	46.5
50 to 99 lb	21.4	26.8	26.2	14.2	24.5	28.2	30.0	33.4	43.2	39.9
100 to 499 lb	17.7	25.9	22.3	14.6	15.8	22.6	25.5	35.0	44.4	41.2
500 to 749 lb	29.6	34.3	32.5	29.6	28.8	34.5	31.7	41.5	33.6	31.5
750 to 999 lb	21.2	29.2	22.2	15.6	30.5	36.6	34.7	31.8	39.5	36.4
1,000 to 9,999 lb	9.6	9.2	11.7	11.6	13.4	13.4	13.0	17.5	18.2	18.4
10,000 to 49,999 lb	11.6	11.5	14.8	7.4	17.9	17.5	23.4	22.9	23.8	25.4
50,000 to 99,999 lb	S	46.2	43.0	19.5	S	S	S	S	S	S
100,000 lb or more	S	36.0	S	22.6	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	13.1	11.8	12.1	30.5	24.0	19.1	19.1	16.9	21.5	20.6
Less than 50 lb	S	S	S	S	47.2	S	46.2	S	S	S
50 to 99 lb	36.8	39.1	43.0	23.8	42.5	44.0	46.7	S	S	S
100 to 499 lb	S	43.5	45.6	23.8	S	46.1	42.6	S	S	S
500 to 749 lb	42.9	40.0	36.0	22.8	S	44.9	49.0	38.6	41.6	40.3
750 to 999 lb	21.2	36.9	35.0	16.7	32.3	41.6	44.5	31.3	41.6	42.0
1,000 to 9,999 lb	22.5	26.4	31.4	16.5	24.9	41.9	42.5	24.5	47.5	45.0
10,000 to 49,999 lb	14.1	12.4	14.1	7.8	19.5	21.1	24.7	15.4	17.4	17.0
50,000 to 99,999 lb	24.3	27.1	26.4	21.1	28.3	30.8	28.7	41.5	42.2	43.4
100,000 lb or more	29.2	26.5	28.8	16.6	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	6.3	7.1	15.0	23.3	11.1	11.6	11.8	11.2	12.8	13.9
Less than 50 lb	20.2	31.6	32.9	33.5	34.4	40.7	38.5	24.6	28.2	27.8
50 to 99 lb	27.5	33.9	43.8	S	34.6	38.0	39.7	17.5	19.0	18.0
100 to 499 lb	15.2	21.1	23.9	22.0	19.8	25.3	24.7	17.8	18.9	18.2
500 to 749 lb	24.2	24.4	36.2	22.2	19.8	22.1	20.4	46.8	48.0	47.6
750 to 999 lb	16.9	19.9	27.9	18.8	23.7	26.4	23.3	25.2	24.0	24.8
1,000 to 9,999 lb	8.8	13.5	10.0	18.1	14.1	18.9	22.4	13.8	16.7	17.0
10,000 to 49,999 lb	9.6	9.4	18.3	16.6	20.1	15.3	16.3	14.0	15.4	16.4
50,000 to 99,999 lb	17.6	20.2	23.8	22.8	35.2	22.5	19.4	30.0	29.4	28.7
100,000 lb or more	21.4	20.0	26.6	11.2	49.1	41.3	48.9	46.6	42.2	44.7
SCTG 08, Alcoholic beverages	11.5	11.7	28.6	12.6	7.7	11.0	12.1	16.3	16.8	18.6
Less than 50 lb	19.6	15.1	19.1	11.7	19.8	14.9	12.6	37.7	40.4	39.1
50 to 99 lb	18.5	12.4	14.8	9.1	18.7	12.2	11.8	20.8	25.6	26.8
100 to 499 lb	8.3	9.1	10.5	5.9	8.3	9.9	12.8	31.5	24.5	26.8
500 to 749 lb	6.2	8.7	9.1	8.9	6.1	9.7	11.8	39.5	30.4	33.0
750 to 999 lb	10.9	12.9	12.7	8.7	10.7	13.2	13.6	32.3	26.2	29.5
1,000 to 9,999 lb	9.6	12.2	12.8	11.9	10.3	13.0	14.2	22.1	21.6	21.5
10,000 to 49,999 lb	23.4	24.7	29.0	14.9	20.3	25.9	34.6	47.9	48.9	S
50,000 to 99,999 lb	S	S	S	21.9	S	S	S	—	—	—
100,000 lb or more	S	S	S	21.2	S	S	S	—	—	—
SCTG 09, Tobacco products	26.3	14.9	28.7	18.1	20.7	21.1	40.7	18.3	16.5	17.5
Less than 50 lb	17.5	15.0	32.0	28.6	21.0	21.2	17.8	27.5	27.5	28.3
50 to 99 lb	20.0	17.7	37.9	22.3	17.2	16.5	15.2	40.4	47.4	S
100 to 499 lb	14.7	17.4	25.7	13.0	14.9	14.7	19.9	22.3	24.1	24.9
500 to 749 lb	18.0	24.4	42.5	20.3	27.7	25.8	31.4	28.4	30.2	31.4
750 to 999 lb	32.9	32.3	48.2	14.5	S	S	42.2	S	49.8	S
1,000 to 9,999 lb	28.5	25.5	29.0	18.5	33.4	27.4	31.4	38.4	29.0	29.6
10,000 to 49,999 lb	47.7	32.1	43.0	14.8	S	S	S	43.2	42.5	46.5
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	—	—	—
100,000 lb or more	S	S	S	37.9	S	S	S	—	—	—
SCTG 10, Monumental or building stone	S	S	44.3	23.2	S	S	S	S	41.0	42.0
Less than 50 lb	S	S	S	20.5	S	S	S	—	—	—
50 to 99 lb	S	S	S	36.7	S	S	S	—	—	—
100 to 499 lb	S	S	S	24.6	S	S	S	—	—	—
500 to 749 lb	S	S	S	22.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	26.5	S	S	S	—	—	—
1,000 to 9,999 lb	S	49.2	S	20.5	S	S	46.2	S	S	S
10,000 to 49,999 lb	S	40.3	41.9	24.4	S	S	S	S	46.9	48.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	44.0	23.9	S	S	S	—	—	—
SCTG 11, Natural sands	18.0	42.3	38.3	19.3	30.7	36.6	34.8	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	21.3	S	S	S	—	—	—
100 to 499 lb	S	S	49.8	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	21.2	S	S	S	—	—	—
750 to 999 lb	S	S	S	25.4	S	S	S	—	—	—
1,000 to 9,999 lb	49.9	41.5	30.7	41.6	37.1	43.0	44.7	S	S	S
10,000 to 49,999 lb	26.0	40.1	41.5	S	25.4	36.2	S	S	S	S
50,000 to 99,999 lb	39.6	S	S	17.7	44.8	48.0	43.3	S	S	S
100,000 lb or more	38.5	37.2	47.1	31.2	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	19.3	15.2	16.9	10.8	19.1	18.8	21.7	26.8	28.4	26.9
Less than 50 lb	S	S	S	22.4	S	S	S	—	—	—
50 to 99 lb	S	S	S	22.4	S	S	S	—	—	—
100 to 499 lb	S	S	S	21.9	S	46.4	43.7	—	—	—
500 to 749 lb	S	S	S	21.4	S	S	S	—	—	—
750 to 999 lb	45.4	46.6	S	30.5	45.4	46.6	S	—	—	—
1,000 to 9,999 lb	S	40.3	36.2	43.1	S	45.9	S	S	S	S
10,000 to 49,999 lb	23.2	23.5	21.2	16.3	25.5	25.7	34.6	46.3	S	S
50,000 to 99,999 lb	26.5	26.6	31.1	10.3	26.0	26.0	30.2	38.2	40.3	38.9
100,000 lb or more	20.5	23.2	36.2	16.8	21.8	23.0	22.4	39.6	46.5	43.4
SCTG 13, Nonmetallic minerals n.e.c.	S	29.2	17.6	13.5	27.8	S	49.7	S	36.1	36.6
Less than 50 lb	S	S	S	24.0	44.2	S	48.9	S	S	S
50 to 99 lb	S	S	S	21.6	43.1	S	S	S	S	S
100 to 499 lb	40.7	22.0	40.0	S	29.7	32.0	34.9	S	S	S
500 to 749 lb	S	S	36.7	S	S	S	S	S	S	S
750 to 999 lb	45.1	43.4	S	21.6	S	S	S	S	S	S
1,000 to 9,999 lb	35.5	29.0	S	17.9	43.9	34.9	36.8	42.6	42.8	42.0
10,000 to 49,999 lb	S	25.1	14.3	23.2	42.0	43.3	S	S	48.7	48.7
50,000 to 99,999 lb	35.7	36.6	25.9	41.6	38.9	S	S	39.6	41.8	40.8
100,000 lb or more	27.3	47.3	23.2	16.1	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	20.0	38.2	41.6	41.0	31.9	37.5	S	39.7	S	S
Less than 50 lb	S	41.5	S	26.0	40.1	49.5	S	—	—	—
50 to 99 lb	S	S	S	24.0	S	S	S	—	—	—
100 to 499 lb	S	46.7	S	S	S	S	S	S	S	S
500 to 749 lb	44.8	S	42.5	27.9	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	46.1	36.0	44.3	22.8	S	39.1	S	S	S	S
10,000 to 49,999 lb	26.6	S	S	S	41.9	S	S	40.8	S	S
50,000 to 99,999 lb	44.1	43.1	43.9	S	S	44.3	43.8	S	S	S
100,000 lb or more	29.5	33.6	32.9	22.7	S	S	S	—	—	—
SCTG 15, Coal	15.4	17.2	20.5	34.7	21.5	22.8	23.4	30.8	33.9	45.7
Less than 50 lb	S	S	S	22.2	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	21.7	S	S	S	S	S	S
500 to 749 lb	S	S	S	22.2	S	S	S	—	—	—
750 to 999 lb	S	S	S	23.6	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	43.1	S	S	S	S	S	S	S
10,000 to 49,999 lb	35.8	33.4	S	33.4	48.1	43.8	S	S	S	S
50,000 to 99,999 lb	37.9	37.1	38.3	25.0	47.2	47.8	39.7	35.0	31.9	32.2
100,000 lb or more	15.9	18.3	22.6	48.5	22.8	25.4	28.8	32.6	35.9	47.3
SCTG 17, Gasoline and aviation turbine fuel	8.5	10.2	23.7	6.2	8.6	9.1	11.4	18.0	22.6	26.0
Less than 50 lb	43.2	32.4	35.4	16.2	43.2	32.4	35.4	—	—	—
50 to 99 lb	37.4	42.0	40.9	15.3	37.4	42.0	40.9	—	—	—
100 to 499 lb	S	40.6	S	10.3	S	40.7	S	S	S	S
500 to 749 lb	S	44.9	S	24.0	S	45.2	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	28.7	30.2	29.9	6.5	27.6	31.1	31.3	S	41.3	41.9
10,000 to 49,999 lb	12.7	14.0	12.2	4.6	13.1	14.5	13.9	18.2	17.6	17.6
50,000 to 99,999 lb	7.9	8.3	12.3	5.3	8.7	8.6	12.9	11.2	12.5	13.1
100,000 lb or more	29.5	31.1	34.0	S	S	S	S	S	S	S
SCTG 18, Fuel oils	12.4	12.7	S	7.5	12.6	11.1	14.7	31.4	39.2	46.5
Less than 50 lb	S	S	S	26.4	S	S	S	S	S	S
50 to 99 lb	32.4	25.2	26.4	15.8	32.5	25.1	25.2	S	S	S
100 to 499 lb	S	27.2	37.4	44.4	S	27.5	41.3	S	S	S
500 to 749 lb	39.7	38.1	37.0	19.9	40.5	39.0	43.7	41.3	42.7	46.2
750 to 999 lb	40.0	29.2	42.2	11.7	40.0	29.2	42.6	S	S	S
1,000 to 9,999 lb	25.5	22.0	25.8	7.2	25.8	22.1	27.0	S	23.6	26.1
10,000 to 49,999 lb	21.8	21.2	24.7	14.9	23.1	22.5	20.7	18.2	18.7	17.1
50,000 to 99,999 lb	13.2	13.4	17.4	18.2	15.5	16.0	19.5	17.3	16.9	16.5
100,000 lb or more	29.5	29.6	S	S	45.1	44.0	48.8	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	12.7	14.4	11.5	12.2	17.1	22.5	20.3	34.1	28.2	27.8
Less than 50 lb	25.8	19.3	31.4	15.5	28.3	19.6	21.7	28.9	30.1	31.7
50 to 99 lb	30.1	24.4	36.3	19.9	32.1	24.6	27.5	31.5	S	S
100 to 499 lb	26.2	30.4	34.0	12.4	28.2	32.0	27.9	45.9	40.1	40.4
500 to 749 lb	23.9	27.9	38.8	22.8	23.7	28.6	44.3	47.6	S	S
750 to 999 lb	36.0	37.5	44.8	18.9	33.7	38.5	S	S	S	S
1,000 to 9,999 lb	28.9	26.1	S	25.6	28.3	28.8	29.3	39.2	39.6	41.0
10,000 to 49,999 lb	22.7	28.0	23.3	22.0	33.1	36.0	42.6	34.5	35.3	35.7
50,000 to 99,999 lb	40.1	31.6	29.1	19.4	37.5	32.1	40.0	S	39.5	39.9
100,000 lb or more	17.1	28.7	15.1	12.1	S	49.8	33.9	S	S	S
SCTG 20, Basic chemicals ..	11.5	21.6	22.8	18.6	13.9	24.3	20.0	22.8	19.6	19.0
Less than 50 lb	43.9	36.8	47.6	21.4	S	34.2	47.1	S	S	S
50 to 99 lb	44.2	25.7	S	18.1	32.2	26.3	32.3	45.7	42.9	42.6
100 to 499 lb	36.5	27.6	29.7	32.1	19.6	28.0	38.3	37.2	S	S
500 to 749 lb	26.9	28.3	26.0	45.6	25.3	26.2	29.9	36.8	S	S
750 to 999 lb	14.2	31.9	31.4	33.3	22.7	31.0	45.5	32.0	26.6	29.6
1,000 to 9,999 lb	21.0	11.4	16.9	18.8	19.2	17.2	17.0	18.4	18.7	18.5
10,000 to 49,999 lb	10.8	12.8	10.8	6.1	21.4	15.7	14.9	28.9	26.3	26.5
50,000 to 99,999 lb	25.2	32.9	30.6	21.3	34.9	S	39.1	S	S	S
100,000 lb or more	19.9	31.6	33.0	5.7	25.1	34.2	29.7	24.4	26.9	26.9
SCTG 21, Pharmaceutical products	12.1	35.7	31.5	11.6	16.1	S	S	18.5	13.7	14.2
Less than 50 lb	19.8	16.6	20.3	12.1	20.4	28.2	22.9	25.3	20.6	19.5
50 to 99 lb	32.4	14.7	14.8	12.3	25.6	18.2	21.4	35.3	32.7	36.0
100 to 499 lb	24.7	18.5	21.1	27.5	39.0	19.5	24.5	32.6	25.1	26.0
500 to 749 lb	37.6	22.3	45.0	36.2	S	37.0	S	S	46.1	S
750 to 999 lb	44.8	27.4	34.5	28.1	S	45.2	43.6	46.5	43.2	43.3
1,000 to 9,999 lb	31.9	15.5	30.5	16.7	29.3	20.8	21.5	28.7	26.3	25.3
10,000 to 49,999 lb	S	33.3	S	20.7	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	21.8	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	19.7	22.3	47.7	18.7	19.6	21.7	22.5	20.8	22.9	23.1
Less than 50 lb	46.5	S	S	46.6	S	S	S	S	S	S
50 to 99 lb	S	41.3	S	30.7	S	41.9	S	S	S	S
100 to 499 lb	37.3	23.4	S	S	31.0	24.7	33.2	S	39.2	39.5
500 to 749 lb	37.5	S	S	49.9	S	S	S	S	S	S
750 to 999 lb	S	S	S	26.0	S	S	S	S	S	S
1,000 to 9,999 lb	25.7	29.8	26.8	46.1	29.4	32.7	34.0	38.8	33.5	39.5
10,000 to 49,999 lb	26.3	33.8	49.6	16.2	22.8	24.2	32.8	30.8	33.4	32.4
50,000 to 99,999 lb	20.7	20.8	27.5	13.8	21.3	20.2	22.8	28.6	28.7	30.2
100,000 lb or more	31.5	28.2	S	18.9	S	S	47.3	36.6	34.5	34.3
SCTG 23, Chemical products and preparations, n.e.c.	12.3	15.9	22.8	12.6	12.2	12.1	15.1	23.1	29.4	29.6
Less than 50 lb	26.1	15.7	31.0	19.9	16.0	13.7	15.2	40.6	21.6	22.9
50 to 99 lb	16.2	24.8	39.9	14.6	19.9	17.3	14.7	31.1	30.1	30.3
100 to 499 lb	17.0	16.6	32.0	17.2	28.2	17.1	17.1	37.2	28.5	33.6
500 to 749 lb	12.1	14.4	19.2	16.9	22.3	18.6	29.9	28.2	32.1	30.3
750 to 999 lb	18.3	22.9	46.0	12.9	28.9	23.6	20.2	S	22.6	20.2
1,000 to 9,999 lb	10.1	12.0	11.7	8.9	24.8	19.1	23.9	32.3	33.3	33.7
10,000 to 49,999 lb	14.5	18.0	25.4	7.1	18.7	16.0	20.5	35.2	40.7	42.1
50,000 to 99,999 lb	35.0	S	S	31.6	41.3	40.9	S	S	S	S
100,000 lb or more	S	47.3	S	15.8	S	S	S	45.8	S	43.5
SCTG 24, Plastics and rubber	6.0	9.4	12.8	6.5	10.3	16.1	13.2	9.8	11.4	12.8
Less than 50 lb	12.0	8.1	9.8	8.2	11.4	8.3	11.3	19.9	16.8	15.8
50 to 99 lb	13.0	9.3	10.8	15.0	17.5	12.2	15.1	29.0	20.8	18.4
100 to 499 lb	8.7	8.6	9.4	10.2	10.7	11.7	14.4	15.8	15.6	15.3
500 to 749 lb	12.8	12.5	9.4	7.7	19.6	21.1	15.1	24.6	18.3	21.1
750 to 999 lb	10.8	8.8	12.6	8.6	16.0	13.2	16.8	26.0	27.2	24.1
1,000 to 9,999 lb	7.2	11.6	8.7	7.1	20.0	28.6	18.6	13.9	10.2	10.3
10,000 to 49,999 lb	9.1	10.7	9.8	5.1	26.4	28.4	24.2	16.6	20.0	22.0
50,000 to 99,999 lb	25.3	29.1	26.9	18.5	S	S	S	S	S	S
100,000 lb or more	30.7	37.4	46.9	10.2	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	10.5	20.3	40.1	23.8	20.1	30.4	35.0	17.5	21.1	22.1
Less than 50 lb	S	S	S	22.4	S	S	S	—	—	—
50 to 99 lb	S	S	S	22.5	S	S	S	S	S	S
100 to 499 lb	S	S	S	22.9	S	S	S	S	S	S
500 to 749 lb	S	S	S	26.3	S	S	S	S	S	S
750 to 999 lb	45.8	49.1	S	23.1	S	S	S	—	—	—
1,000 to 9,999 lb	28.9	S	24.5	S	44.4	S	S	S	S	S
10,000 to 49,999 lb	15.0	22.0	14.0	42.4	25.4	31.6	39.1	17.8	20.6	21.3
50,000 to 99,999 lb	14.5	13.9	14.6	6.7	20.4	19.8	20.3	22.9	27.0	26.3
100,000 lb or more	38.9	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	4.4	9.4	13.4	11.9	7.6	13.2	9.3	10.7	20.8	19.7
Less than 50 lb	20.1	19.2	27.5	19.1	23.5	21.9	30.1	29.7	29.2	28.2
50 to 99 lb	28.1	28.8	25.1	17.7	24.6	24.1	25.7	S	S	S
100 to 499 lb	15.8	20.4	14.9	26.1	22.0	26.9	25.4	26.6	29.7	28.7
500 to 749 lb	19.1	17.3	28.2	32.7	24.4	24.0	24.3	24.3	21.5	20.7
750 to 999 lb	17.6	21.6	25.6	19.0	24.4	26.1	31.1	23.3	29.0	28.6
1,000 to 9,999 lb	8.8	11.2	7.8	12.6	13.7	15.0	12.1	15.4	19.0	19.1
10,000 to 49,999 lb	6.2	5.5	7.1	5.9	12.9	15.4	17.6	13.6	11.9	12.8
50,000 to 99,999 lb	11.0	17.9	12.8	9.5	15.4	21.7	22.5	18.3	31.9	30.9
100,000 lb or more	15.4	38.1	35.6	12.4	26.4	42.0	29.9	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	8.8	9.7	11.2	11.3	14.0	14.0	17.5	12.8	15.7	15.6
Less than 50 lb	27.7	23.7	25.0	31.9	34.7	30.7	34.1	26.4	27.9	26.7
50 to 99 lb	20.1	24.3	17.3	26.6	24.5	30.3	26.9	22.7	26.2	25.2
100 to 499 lb	15.6	14.8	20.1	25.7	16.3	17.2	17.3	36.5	42.6	37.7
500 to 749 lb	18.7	17.9	19.5	27.5	17.2	22.6	24.6	S	43.5	44.0
750 to 999 lb	21.3	20.4	36.9	S	31.5	28.4	31.6	34.4	35.3	33.6
1,000 to 9,999 lb	27.3	17.8	21.6	16.1	18.3	22.5	30.3	20.5	20.8	20.9
10,000 to 49,999 lb	9.2	10.3	12.3	7.8	20.2	17.5	19.7	15.1	19.0	18.3
50,000 to 99,999 lb	25.1	27.9	29.2	18.4	49.9	32.9	S	36.2	35.0	34.6
100,000 lb or more	12.0	13.0	14.8	8.1	37.4	41.2	34.8	38.8	36.0	38.5
SCTG 28, Paper or paperboard articles	8.3	11.2	13.4	13.1	8.6	14.6	19.6	14.5	17.3	17.3
Less than 50 lb	21.5	19.6	29.3	13.9	18.1	16.3	18.0	20.9	23.3	24.6
50 to 99 lb	18.0	17.6	31.2	20.3	18.9	18.1	22.8	31.9	30.9	31.2
100 to 499 lb	13.6	12.7	20.3	22.8	16.4	15.8	16.3	23.0	21.8	24.3
500 to 749 lb	14.4	14.8	26.7	19.3	15.6	19.3	17.7	42.7	42.0	42.3
750 to 999 lb	32.8	20.2	30.8	22.4	49.5	25.4	29.1	29.0	33.6	34.5
1,000 to 9,999 lb	12.6	15.0	28.5	12.6	13.4	16.4	21.7	21.5	23.9	23.0
10,000 to 49,999 lb	10.7	12.9	11.8	10.1	24.6	23.5	27.1	18.6	20.4	20.9
50,000 to 99,999 lb	47.7	47.0	45.4	38.8	S	S	S	S	S	S
100,000 lb or more	S	S	42.7	27.7	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	11.9	9.1	9.9	23.6	13.3	23.0	17.3	14.0	23.2	22.3
Less than 50 lb	22.3	16.2	22.8	26.5	16.0	28.6	30.7	29.8	18.6	18.9
50 to 99 lb	26.2	19.5	24.2	13.2	19.4	27.4	25.5	27.6	22.9	21.7
100 to 499 lb	19.9	30.7	26.2	20.3	24.7	39.6	39.9	25.8	27.7	27.2
500 to 749 lb	11.0	16.2	18.4	28.9	18.3	25.3	23.9	30.8	48.2	47.8
750 to 999 lb	20.8	21.5	25.9	28.9	29.6	34.4	26.8	29.4	32.3	31.7
1,000 to 9,999 lb	22.3	19.0	18.8	17.0	19.1	33.2	25.8	16.1	25.9	25.3
10,000 to 49,999 lb	10.3	10.9	14.2	8.7	18.6	20.5	18.7	45.9	33.5	33.8
50,000 to 99,999 lb	45.1	35.9	45.9	22.9	S	S	S	S	S	S
100,000 lb or more	S	S	S	22.1	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	12.0	8.1	14.7	3.7	18.0	22.3	32.9	7.9	11.4	10.9
Less than 50 lb	16.8	23.2	25.8	3.8	18.9	21.9	24.3	38.1	39.0	40.9
50 to 99 lb	13.7	16.8	20.1	7.2	26.9	35.0	29.8	S	S	S
100 to 499 lb	16.2	13.0	13.6	3.7	24.3	21.2	19.6	32.2	23.4	24.0
500 to 749 lb	15.4	15.3	15.0	8.0	40.6	36.6	27.2	33.3	31.9	32.4
750 to 999 lb	22.4	24.3	24.4	12.1	S	S	48.7	38.4	37.8	38.7
1,000 to 9,999 lb	20.1	19.7	28.5	7.0	22.3	29.2	23.2	14.0	14.6	12.1
10,000 to 49,999 lb	15.4	9.0	18.9	8.6	19.4	24.7	41.5	8.9	12.8	12.5
50,000 to 99,999 lb	40.4	S	46.3	21.8	—	—	—	S	S	S
100,000 lb or more	S	43.8	38.4	22.0	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	6.0	14.9	5.2	13.7	8.1	20.6	21.2	10.3	7.4	8.0
Less than 50 lb	23.7	21.2	28.6	30.1	31.9	21.1	22.8	32.1	29.9	29.7
50 to 99 lb	21.4	20.4	26.9	18.4	23.4	18.9	24.7	36.4	35.2	35.3
100 to 499 lb	16.7	17.5	34.0	15.9	15.5	13.9	18.7	30.9	36.8	36.0
500 to 749 lb	33.1	17.8	47.9	16.6	21.3	18.1	17.8	39.8	49.6	S
750 to 999 lb	22.5	18.7	36.3	19.1	24.4	23.3	22.8	47.7	34.5	34.8
1,000 to 9,999 lb	13.8	10.3	12.7	16.0	12.9	12.0	14.1	25.9	23.4	22.9
10,000 to 49,999 lb	7.7	11.7	6.9	20.9	11.0	14.8	14.2	16.2	13.1	12.6
50,000 to 99,999 lb	16.5	17.4	14.6	12.0	17.2	24.3	33.2	22.3	17.2	18.2
100,000 lb or more	14.6	45.5	10.9	S	43.8	S	S	29.6	25.7	26.2
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	5.0	8.6	11.6	8.2	8.5	10.2	12.4	13.3	12.8	12.2
Less than 50 lb	30.8	14.4	19.5	13.4	15.6	14.2	15.1	29.2	31.5	31.6
50 to 99 lb	15.8	18.1	15.9	11.3	17.4	17.0	24.0	34.8	30.6	32.8
100 to 499 lb	12.6	18.0	21.3	11.0	16.0	21.9	25.9	23.5	30.3	30.9
500 to 749 lb	15.9	14.8	19.3	12.0	21.5	17.8	25.5	30.9	27.0	26.6
750 to 999 lb	14.8	16.2	16.0	16.9	26.6	22.6	31.0	34.5	25.1	24.4
1,000 to 9,999 lb	6.9	10.6	9.4	9.4	17.1	16.3	19.9	20.4	20.3	19.9
10,000 to 49,999 lb	7.4	8.5	10.5	3.8	11.6	11.8	13.8	19.3	13.4	13.1
50,000 to 99,999 lb	13.6	17.8	27.5	23.9	22.3	21.9	23.9	23.5	40.6	40.8
100,000 lb or more	14.3	21.9	28.1	13.3	37.1	41.2	35.8	S	S	S
SCTG 33, Articles of base metal	5.4	9.8	14.2	8.7	10.7	7.5	11.3	12.2	14.5	13.3
Less than 50 lb	11.8	10.9	20.7	11.8	13.2	11.5	13.2	25.3	24.7	24.8
50 to 99 lb	9.3	7.2	15.2	14.3	11.4	10.4	11.6	23.3	18.5	16.0
100 to 499 lb	11.4	8.3	11.3	8.1	14.7	12.7	14.5	28.1	23.2	22.3
500 to 749 lb	15.8	10.0	14.1	8.9	17.8	16.1	17.7	23.2	17.2	16.0
750 to 999 lb	11.0	9.2	11.7	7.3	16.3	18.8	17.3	41.2	20.7	20.2
1,000 to 9,999 lb	9.4	7.0	7.7	5.8	18.7	9.3	8.7	20.0	19.2	20.6
10,000 to 49,999 lb	7.4	7.8	8.9	5.2	22.6	14.6	20.7	21.4	21.0	17.4
50,000 to 99,999 lb	44.0	40.0	S	17.3	42.4	34.1	46.5	S	48.0	47.3
100,000 lb or more	35.5	35.1	33.1	14.9	38.5	34.2	46.0	S	S	S
SCTG 34, Machinery	12.1	9.1	8.2	6.1	10.7	13.5	12.2	14.6	14.2	13.8
Less than 50 lb	10.5	10.8	13.2	7.2	15.9	13.7	16.8	22.7	21.2	20.0
50 to 99 lb	12.9	12.8	13.9	10.3	20.6	14.4	18.9	42.3	39.2	38.6
100 to 499 lb	8.9	9.3	10.2	9.1	14.8	16.9	17.4	20.8	16.3	17.6
500 to 749 lb	11.0	10.5	14.3	8.3	16.5	19.5	18.3	30.9	27.0	27.6
750 to 999 lb	15.5	13.3	18.3	8.4	25.0	22.1	29.5	34.5	31.2	30.7
1,000 to 9,999 lb	10.0	11.3	13.5	6.5	21.7	21.1	17.8	17.8	21.8	22.0
10,000 to 49,999 lb	22.9	13.1	11.3	5.5	20.1	21.3	18.9	19.3	18.9	17.5
50,000 to 99,999 lb	21.2	32.5	43.8	15.5	42.2	41.3	S	44.8	48.8	S
100,000 lb or more	46.9	44.5	44.0	30.9	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	6.6	6.7	8.7	10.1	11.7	18.7	22.6	15.0	15.9	13.9
Less than 50 lb	8.2	9.8	23.3	11.3	12.4	13.7	16.9	21.9	15.2	15.3
50 to 99 lb	10.0	12.1	12.7	12.3	12.3	20.5	21.4	S	27.4	30.0
100 to 499 lb	9.3	12.9	14.6	11.3	16.5	25.1	27.1	23.5	25.0	25.4
500 to 749 lb	17.0	12.2	16.6	8.9	23.8	19.9	20.9	31.5	39.8	36.9
750 to 999 lb	20.2	11.7	16.8	6.2	49.2	32.6	28.9	27.2	28.6	26.4
1,000 to 9,999 lb	14.4	10.9	11.5	6.2	42.1	17.5	26.3	21.9	19.9	19.3
10,000 to 49,999 lb	12.0	8.9	10.8	5.5	24.6	29.7	34.6	25.4	25.9	21.8
50,000 to 99,999 lb	40.9	30.2	39.3	21.1	S	S	S	S	S	S
100,000 lb or more	45.4	49.5	42.1	24.7	—	—	—	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	13.4	11.2	14.1	13.4	26.8	20.5	19.9	16.7	18.5	18.8
Less than 50 lb	13.6	16.7	21.5	18.7	14.4	22.6	20.6	23.3	30.0	27.3
50 to 99 lb	15.0	15.2	16.7	14.5	18.7	20.2	20.8	25.6	22.9	23.8
100 to 499 lb	10.2	10.3	11.5	12.8	12.5	15.4	23.5	16.4	21.6	21.6
500 to 749 lb	14.7	12.7	13.8	13.2	31.5	21.9	24.6	35.3	40.0	40.7
750 to 999 lb	17.4	12.0	13.8	16.2	33.4	33.0	28.1	30.6	28.4	31.2
1,000 to 9,999 lb	20.7	21.0	29.4	11.5	35.2	31.7	18.2	32.3	27.7	25.5
10,000 to 49,999 lb	14.9	13.9	14.9	7.1	22.9	38.2	41.3	29.0	30.1	32.1
50,000 to 99,999 lb	35.5	34.2	S	27.3	S	S	46.0	S	S	S
100,000 lb or more	41.0	S	S	21.9	S	42.5	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	14.5	16.6	16.8	9.9	S	44.0	49.6	S	S	S
Less than 50 lb	34.5	49.3	32.2	19.5	S	S	S	S	S	S
50 to 99 lb	31.5	S	33.6	19.7	S	S	S	S	S	S
100 to 499 lb	35.5	S	S	11.7	S	S	S	S	S	S
500 to 749 lb	39.4	18.4	22.6	13.7	—	—	—	—	—	—
750 to 999 lb	29.6	26.9	33.0	15.9	S	S	S	—	—	—
1,000 to 9,999 lb	20.3	18.8	21.3	8.3	44.0	S	47.0	S	S	S
10,000 to 49,999 lb	27.6	22.7	23.4	13.3	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	47.3	18.9	S	S	S	—	—	—
100,000 lb or more	15.9	34.3	34.1	18.3	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	16.5	19.5	23.6	7.4	35.2	32.6	37.3	28.8	30.0	30.4
Less than 50 lb	23.0	26.7	37.3	7.8	26.0	21.0	27.4	28.5	38.4	37.6
50 to 99 lb	35.9	18.1	20.6	10.2	S	S	44.7	39.7	41.4	41.4
100 to 499 lb	24.6	19.0	26.6	18.2	S	42.5	45.9	S	44.0	42.6
500 to 749 lb	S	21.6	24.6	12.0	49.1	S	42.7	S	S	S
750 to 999 lb	31.6	31.7	43.7	19.3	S	S	S	S	S	S
1,000 to 9,999 lb	25.4	30.1	37.2	12.4	47.6	49.7	S	S	S	S
10,000 to 49,999 lb	39.2	S	S	18.4	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	22.4	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.7	13.5	12.5	8.7	21.2	38.5	32.3	14.3	16.2	15.9
Less than 50 lb	23.3	37.7	17.4	21.7	38.8	S	33.8	37.7	35.2	33.6
50 to 99 lb	20.7	25.0	18.2	15.7	37.7	48.6	34.2	37.6	24.6	22.9
100 to 499 lb	9.4	9.7	11.1	6.0	19.9	23.4	17.3	32.8	22.4	23.0
500 to 749 lb	9.8	9.2	11.8	9.2	24.4	24.1	24.7	22.6	24.8	24.6
750 to 999 lb	14.1	12.5	14.4	10.1	39.1	40.6	34.5	37.3	44.4	45.2
1,000 to 9,999 lb	10.8	15.7	14.0	7.0	39.2	S	46.3	15.1	19.2	20.2
10,000 to 49,999 lb	14.1	16.2	14.4	6.7	40.2	44.6	35.6	34.2	35.0	30.2
50,000 to 99,999 lb	41.1	S	S	21.1	—	—	—	—	—	—
100,000 lb or more	S	S	S	21.8	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	11.1	15.5	9.7	7.0	16.4	29.6	31.5	42.3	39.4	39.2
Less than 50 lb	8.6	10.7	11.0	7.8	15.1	18.0	18.6	20.9	23.0	24.4
50 to 99 lb	14.5	17.9	11.1	8.8	14.8	24.6	25.4	34.6	44.7	43.1
100 to 499 lb	9.8	20.8	36.9	7.2	16.9	20.8	25.4	19.1	22.4	21.4
500 to 749 lb	22.8	12.4	14.0	8.3	25.4	23.4	22.6	25.8	22.1	23.3
750 to 999 lb	17.7	12.4	15.1	12.0	33.1	28.0	24.1	40.8	35.8	35.8
1,000 to 9,999 lb	9.5	7.5	8.1	9.5	22.9	15.9	17.6	33.5	18.8	19.8
10,000 to 49,999 lb	24.8	19.7	11.4	7.6	35.0	33.1	35.1	S	S	S
50,000 to 99,999 lb	17.2	34.6	34.0	17.7	36.7	S	S	35.2	38.4	35.9
100,000 lb or more	29.6	31.6	39.1	15.8	S	S	S	S	S	S
SCTG 41, Waste and scrap .	15.4	16.5	22.8	12.9	13.4	14.3	15.4	26.3	31.1	29.6
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	28.9	49.9	S	28.3	41.7	S	32.9	S	S	S
500 to 749 lb	S	S	S	36.6	S	S	S	—	—	—
750 to 999 lb	49.3	49.4	S	26.8	44.9	S	42.4	S	S	S
1,000 to 9,999 lb	23.8	29.5	S	11.3	27.4	27.2	37.4	36.7	36.0	33.7
10,000 to 49,999 lb	13.1	17.9	18.6	9.9	14.5	16.2	23.8	35.6	43.8	43.1
50,000 to 99,999 lb	21.8	20.9	26.7	S	30.3	28.6	28.4	25.2	24.6	25.7
100,000 lb or more	27.8	22.1	28.6	10.7	22.8	22.1	29.9	26.4	40.3	45.9
SCTG 43, Mixed freight	17.8	11.1	10.4	15.3	17.9	16.1	18.7	22.7	13.9	13.9
Less than 50 lb	19.4	21.3	26.1	24.1	20.5	24.3	26.4	38.6	30.2	31.1
50 to 99 lb	30.1	33.1	28.3	40.1	32.9	37.1	45.3	44.5	49.8	46.1
100 to 499 lb	20.5	24.3	25.8	20.4	25.3	29.1	31.5	32.7	38.3	40.7
500 to 749 lb	21.9	28.1	41.6	18.6	30.0	36.6	39.0	35.2	26.2	26.8
750 to 999 lb	39.1	30.4	34.5	27.1	23.6	32.1	38.7	S	S	48.5
1,000 to 9,999 lb	30.7	19.4	22.5	11.3	36.4	33.6	41.9	34.4	20.1	19.2
10,000 to 49,999 lb	13.5	12.9	12.1	15.9	17.2	16.3	16.9	19.6	16.5	16.2
50,000 to 99,999 lb	S	S	S	27.7	S	S	S	S	S	S
100,000 lb or more	S	S	S	22.3	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	33.8	S	S	17.2	S	47.3	43.4	S	29.7	29.7
Less than 50 lb	24.2	31.8	30.6	31.3	40.4	S	S	36.3	47.0	44.2
50 to 99 lb	49.9	34.1	39.1	32.9	31.5	43.2	S	S	S	S
100 to 499 lb	25.9	38.0	32.1	38.1	43.5	S	S	44.2	38.7	37.3
500 to 749 lb	35.6	29.7	37.8	25.6	47.0	42.4	48.3	S	S	S
750 to 999 lb	S	S	S	20.8	S	S	S	S	S	S
1,000 to 9,999 lb	40.3	30.1	28.6	21.2	S	43.1	36.6	S	S	S
10,000 to 49,999 lb	S	49.6	S	29.2	S	S	S	S	37.0	36.6
50,000 to 99,999 lb	S	S	S	20.1	S	S	S	S	S	S
100,000 lb or more	S	S	42.3	S	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	5.1	8.2	10.2	5.7	16.0	17.6	3.4	11.0	14.7	4.7	8.5	9.3
Less than 50 lb	9.2	6.1	6.5	6.9	7.5	7.4	7.2	7.7	7.7	10.8	9.6	9.7
50 to 99 lb	9.1	8.2	7.2	9.5	8.9	8.7	8.2	7.9	7.8	16.4	13.2	13.1
100 to 499 lb	9.1	8.0	8.1	8.8	8.6	8.7	10.1	9.4	9.3	8.1	5.4	5.5
500 to 749 lb	8.5	18.9	18.9	8.3	9.4	8.1	13.6	5.3	5.6	14.3	9.9	9.8
750 to 999 lb	8.7	7.4	8.0	10.0	6.4	7.1	11.9	7.8	7.8	22.0	14.6	15.1
1,000 to 9,999 lb	11.0	4.7	4.4	9.4	6.3	6.6	12.3	8.5	9.2	15.4	11.2	11.9
10,000 to 49,999 lb	5.9	6.9	7.7	10.0	3.8	3.8	4.4	3.5	3.7	4.2	3.9	3.8
50,000 to 99,999 lb	15.2	11.3	15.1	13.1	S	S	16.9	29.3	32.0	30.3	18.5	18.4
100,000 lb or more	13.6	14.3	15.6	15.6	20.4	25.2	8.7	18.1	22.3	16.9	19.9	20.4
SCTG 01, Live animals and live fish	37.7	40.0	39.9	47.5	49.4	S	S	S	S	45.4	44.4	43.5
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	38.8	39.1	37.6	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	37.4	39.6	37.6	47.0	47.6	49.7	48.2	48.3	S	48.7	47.4	46.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	S	S	S
SCTG 02, Cereal grains	45.2	48.8	49.3	33.6	34.7	35.6	46.3	48.9	48.3	—	—	—
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	40.0	42.4	43.6	S	47.6	48.7	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	36.6	36.6	39.9	S	S	S	—	—	—
100,000 lb or more	S	S	S	36.6	37.7	38.4	S	S	S	—	—	—
SCTG 03, Other agricultural products	24.7	24.2	24.9	30.5	48.4	S	31.7	48.4	47.4	S	S	S
Less than 50 lb	42.4	40.1	40.9	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	32.5	32.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	32.1	34.9	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	31.3	34.1	S	S	S	S	S	S	—	—	—
750 to 999 lb	37.6	29.0	28.3	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	35.3	35.1	37.2	39.9	46.0	42.7	S	40.4	40.7	S	S	S
10,000 to 49,999 lb	24.4	28.2	30.4	28.8	28.4	28.0	46.9	35.7	36.0	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	22.7	23.0	22.6	23.4	24.5	24.3	29.0	S	S	32.4	32.0	31.5
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	36.4	S	43.8	S	S	S	45.5	40.0	40.6	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	22.5	24.0	24.3	43.6	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	32.3	34.5	33.4	32.4	36.6	36.1	33.0	35.4	35.8	37.7	37.8	37.7
50,000 to 99,999 lb	23.7	22.4	23.4	37.3	38.1	39.8	36.3	41.7	43.8	S	49.8	49.3
100,000 lb or more	33.4	31.4	32.6	S	47.5	47.5	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	20.7	18.0	20.2	13.4	13.7	13.6	17.3	15.4	15.2	19.1	20.6	20.5
Less than 50 lb	21.9	24.4	32.4	S	S	S	S	S	S	S	S	S
50 to 99 lb	30.0	36.4	36.3	35.9	36.1	35.0	S	48.9	49.8	S	S	S
100 to 499 lb	19.6	19.7	21.2	29.9	38.6	34.0	36.4	28.0	27.6	40.3	41.7	42.4
500 to 749 lb	S	S	S	46.1	S	S	31.5	25.8	25.5	41.9	49.7	50.0
750 to 999 lb	27.1	31.5	36.6	40.7	36.8	34.4	29.8	29.9	30.1	45.7	46.7	46.5
1,000 to 9,999 lb	12.3	12.1	12.0	13.8	15.1	15.2	18.9	20.8	22.0	32.0	18.9	18.4
10,000 to 49,999 lb	20.8	19.9	20.2	16.2	15.0	15.1	20.7	17.3	17.2	24.2	21.8	21.9
50,000 to 99,999 lb	S	S	S	S	43.4	46.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	15.5	15.4	15.5	18.7	17.7	17.8	22.0	18.4	18.2	17.2	22.0	24.2
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	41.4	49.9	48.5	34.2	32.6	32.1	S	S	S	S	S	S
500 to 749 lb	43.4	40.6	40.6	37.1	45.1	43.6	42.7	41.2	41.1	S	S	S
750 to 999 lb	38.3	44.2	42.8	47.6	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	24.9	27.5	30.7	40.0	44.2	44.2	35.8	37.2	37.0	31.2	24.0	24.7
10,000 to 49,999 lb	17.2	14.5	16.5	20.4	19.1	19.4	21.2	19.1	19.4	22.4	21.3	21.5
50,000 to 99,999 lb	32.4	39.5	37.8	25.3	31.6	32.0	S	S	S	S	S	S
100,000 lb or more	39.5	39.7	40.5	40.4	39.3	39.3	49.3	44.3	42.5	43.7	49.6	49.7

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	10.9	16.6	17.7	10.7	16.4	17.2	14.4	22.1	25.2	23.5	28.0	27.9
Less than 50 lb	43.0	30.9	27.8	S	36.7	41.0	47.7	47.5	46.9	S	S	S
50 to 99 lb	43.6	45.4	43.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	21.3	22.9	23.3	S	43.9	43.1	36.8	S	S	39.3	45.1	48.4
500 to 749 lb	S	S	S	35.8	39.8	39.8	S	44.6	43.6	S	S	S
750 to 999 lb	28.3	26.7	27.6	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	12.7	11.7	11.4	21.0	19.1	19.0	18.7	18.7	19.0	28.6	30.2	30.1
10,000 to 49,999 lb	14.1	17.3	18.7	15.1	23.3	21.4	19.6	24.0	26.5	17.7	19.7	20.5
50,000 to 99,999 lb	34.0	34.1	34.7	37.4	38.6	40.7	S	S	S	S	S	S
100,000 lb or more	34.1	34.1	32.8	25.9	27.2	29.3	34.5	38.4	41.6	S	46.3	44.6
SCTG 08, Alcoholic beverages	21.4	22.3	24.6	32.0	35.9	35.7	26.3	24.5	24.5	36.1	48.6	48.1
Less than 50 lb	S	S	47.6	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	25.4	28.8	26.6	44.1	S	S	48.8	S	S	S	S	S
500 to 749 lb	44.9	49.5	S	S	S	S	S	40.9	40.7	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	48.2	49.2	S	S	S
1,000 to 9,999 lb	37.5	31.9	32.9	46.7	41.6	43.1	38.3	35.2	35.4	38.4	29.0	28.8
10,000 to 49,999 lb	24.6	23.6	25.5	31.5	35.8	35.9	27.4	26.2	25.5	33.6	44.2	43.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 09, Tobacco products	22.9	29.5	29.7	32.4	22.8	24.1	32.5	25.7	25.8	S	45.8	46.1
Less than 50 lb	32.2	24.2	23.1	39.3	49.0	49.4	45.4	39.7	40.9	48.1	43.0	42.5
50 to 99 lb	38.6	35.2	34.4	S	S	S	42.8	45.6	46.6	S	S	S
100 to 499 lb	22.2	19.4	19.2	33.9	42.2	41.4	36.8	30.7	30.6	48.1	S	S
500 to 749 lb	32.2	45.0	48.7	42.2	41.6	41.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	47.9	49.8	S	S	S	S	S	S
1,000 to 9,999 lb	36.1	34.7	37.7	39.1	36.7	37.6	39.0	44.9	44.1	S	S	S
10,000 to 49,999 lb	S	S	S	46.2	33.2	33.8	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 10, Monumental or building stone	43.4	43.4	45.1	S	44.7	44.5	S	42.8	44.2	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	S	S	S	S	S	S
100 to 499 lb	—	—	—	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	44.9	44.7	45.5	S	41.1	44.0	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 11, Natural sands	37.9	S	S	38.7	43.5	42.9	S	45.1	45.1	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	48.2	S	S	47.3	39.4	38.2	S	47.5	47.1	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	47.8	46.0	45.5	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	20.8	23.3	24.0	33.1	34.0	37.6	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	40.6	41.2	41.0	—	—	—	—	—	—
10,000 to 49,999 lb	34.0	38.3	40.1	35.9	39.2	37.3	S	S	S	S	S	S
50,000 to 99,999 lb	35.9	40.9	39.0	S	S	S	—	—	—	—	—	—
100,000 lb or more	39.7	43.5	44.1	38.2	39.8	42.8	48.3	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	S	26.7	27.8	19.6	25.5	27.1	23.0	31.1	33.6	22.0	24.3	24.8
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	31.8	32.8	32.5	S	31.2	31.2	32.4	S	S	S	S	S
10,000 to 49,999 lb	S	35.1	32.7	29.1	20.7	19.0	23.1	15.8	15.9	25.3	20.4	20.2
50,000 to 99,999 lb	43.3	35.4	34.3	44.6	45.2	41.4	S	45.0	45.4	S	S	S
100,000 lb or more	S	48.5	S	37.5	32.6	33.4	38.2	41.3	42.9	29.0	26.6	27.1

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	32.3	S	47.3	41.2	41.0	46.3	36.6	40.2	39.2	49.8	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	48.7	S	S	47.7	49.6	49.7	S	S	S
10,000 to 49,999 lb	S	S	S	49.0	39.3	38.8	42.1	43.3	42.0	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—	—	—	—
100,000 lb or more	37.4	36.2	32.4	S	S	S	—	—	—	—	—	—
SCTG 15, Coal	15.7	16.7	17.9	25.2	25.9	26.8	29.8	34.3	40.3	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	49.7	44.0	49.6	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	36.3	37.7	40.9	43.5	44.4	45.2	S	S	S	—	—	—
100,000 lb or more	16.3	17.0	17.7	27.1	27.6	28.7	34.1	38.4	44.8	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	30.3	31.8	36.6	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	—	—	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	25.2	24.6	25.6	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	22.4	21.9	20.4	46.6	41.4	41.2	S	S	S	S	S	S
100,000 lb or more	36.7	36.6	41.0	S	S	S	S	S	S	—	—	—
SCTG 18, Fuel oils	47.2	45.8	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	48.2	49.6	S	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	31.0	40.0	46.5	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	23.6	24.4	29.2	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	19.0	22.3	22.5	15.7	15.8	16.7	22.1	15.6	16.2	43.0	22.2	22.3
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	34.4	49.4	45.1	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	49.4	47.0	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	27.5	23.4	23.0	23.6	26.5	28.5	36.4	32.7	33.0	39.9	26.7	27.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	40.1	40.6	32.9	26.7	20.5	20.6	27.5	19.4	20.1	42.4	37.2	36.9
SCTG 20, Basic chemicals	15.9	16.0	16.7	16.9	35.2	38.3	11.4	16.8	15.6	24.4	33.3	34.7
Less than 50 lb	S	S	S	S	49.9	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	33.7	23.3	23.3	34.8	22.4	23.0	S	38.6	40.3	S	37.6	38.1
500 to 749 lb	22.0	S	S	36.5	32.6	32.5	48.5	37.0	37.8	S	S	S
750 to 999 lb	45.6	S	S	36.0	28.9	30.2	47.6	33.6	34.2	46.7	S	S
1,000 to 9,999 lb	27.5	21.7	21.9	36.2	17.5	18.1	39.2	27.1	27.2	29.8	46.2	47.5
10,000 to 49,999 lb	19.9	19.4	20.0	10.0	10.4	10.7	17.6	12.9	13.4	27.4	18.1	17.7
50,000 to 99,999 lb	28.8	22.2	24.2	32.0	32.2	33.0	S	S	S	S	S	S
100,000 lb or more	20.1	21.4	20.4	35.7	49.7	S	18.1	23.3	21.4	40.2	S	S
SCTG 21, Pharmaceutical products	16.4	22.7	18.7	20.6	S	48.3	22.0	26.7	28.0	28.9	S	S
Less than 50 lb	23.0	22.3	22.7	21.2	20.9	21.5	32.4	30.1	29.5	29.4	35.4	36.0
50 to 99 lb	34.8	25.4	26.1	S	25.8	24.6	47.3	36.2	35.5	S	S	S
100 to 499 lb	32.7	28.6	28.9	32.5	25.8	24.9	39.4	31.4	32.0	39.6	38.2	38.4
500 to 749 lb	45.2	36.4	38.3	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	33.9	32.5	37.4	S	S	S	S	39.5	38.9	S	S	S
10,000 to 49,999 lb	S	39.3	38.1	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	31.7	30.0	28.9	30.8	38.7	37.6	42.7	49.3	48.3	40.1	47.2	45.8
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	48.3	S	S	48.6	46.4	S	S	S	S	S	S	S
10,000 to 49,999 lb	36.1	41.3	40.5	40.7	S	S	S	S	S	45.8	S	S
50,000 to 99,999 lb	45.1	44.5	48.0	38.3	37.7	36.8	S	S	S	—	—	—
100,000 lb or more	33.5	31.6	32.0	42.4	S	40.9	S	S	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	11.7	12.9	13.6	25.4	30.6	33.6	15.5	18.7	18.4	19.1	25.1	26.0
Less than 50 lb	49.6	34.1	34.2	S	39.5	45.0	40.7	S	S	34.0	30.7	31.0
50 to 99 lb	32.8	35.9	37.3	S	S	S	44.2	S	S	43.9	S	S
100 to 499 lb	42.6	30.6	27.6	28.9	37.1	40.7	36.2	S	S	30.1	24.2	24.0
500 to 749 lb	33.1	29.1	30.2	27.8	22.3	21.8	36.7	26.2	26.0	30.3	24.3	24.1
750 to 999 lb	26.1	33.5	28.4	30.9	30.7	30.5	44.6	47.8	49.0	49.4	S	S
1,000 to 9,999 lb	18.0	19.3	19.5	11.0	13.1	13.1	16.4	15.6	15.1	22.5	19.0	19.1
10,000 to 49,999 lb	15.5	16.0	16.7	26.8	27.0	28.3	19.4	22.3	22.0	20.5	25.2	26.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	6.1	8.6	7.9	13.7	9.4	8.9	10.0	17.5	17.0	16.4	26.7	28.5
Less than 50 lb	27.8	12.5	13.2	21.7	18.8	19.0	30.7	13.0	13.0	49.1	19.0	19.8
50 to 99 lb	28.5	18.4	18.7	35.5	15.2	16.4	35.0	20.2	19.8	47.0	26.3	26.2
100 to 499 lb	18.2	15.2	17.0	20.0	12.7	11.9	20.7	11.6	11.6	26.1	23.0	22.8
500 to 749 lb	29.9	17.7	15.0	23.5	12.3	13.2	25.2	13.3	12.8	38.2	40.5	37.5
750 to 999 lb	17.8	18.1	19.6	22.7	23.0	22.1	30.3	17.3	17.9	27.2	31.5	31.7
1,000 to 9,999 lb	8.8	11.7	11.3	10.5	10.2	10.0	8.1	12.5	12.3	18.9	21.4	21.6
10,000 to 49,999 lb	10.2	13.3	11.6	20.1	11.3	10.7	14.1	20.6	20.1	11.6	10.2	10.1
50,000 to 99,999 lb	S	S	S	48.0	S	S	S	S	S	S	S	S
100,000 lb or more	42.6	41.8	45.0	23.3	23.3	26.3	29.5	28.1	27.6	S	S	S
SCTG 25, Logs and other wood in the rough	20.6	30.6	32.3	32.4	25.7	26.9	S	S	S	40.1	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	48.3	S	S	S	S	S	S	46.6	44.9	45.9	45.6	45.7
10,000 to 49,999 lb	21.3	30.2	36.7	42.1	25.1	27.0	S	S	S	32.9	34.7	35.4
50,000 to 99,999 lb	34.4	34.0	35.3	S	S	S	S	S	S	S	S	S
100,000 lb or more	46.7	S	S	49.7	35.4	32.5	S	S	S	S	S	S
SCTG 26, Wood products	7.3	32.1	47.1	5.4	5.6	5.2	8.5	8.3	8.2	17.6	18.3	17.3
Less than 50 lb	28.0	29.7	30.0	39.3	31.3	32.4	S	43.5	44.9	39.8	37.7	38.4
50 to 99 lb	28.0	32.3	31.0	38.8	49.8	S	S	34.5	35.3	41.8	45.3	43.7
100 to 499 lb	17.4	17.3	16.4	35.9	23.4	22.6	35.2	34.0	33.8	32.9	23.3	23.7
500 to 749 lb	34.0	30.6	29.8	40.1	32.0	30.8	43.9	41.8	42.2	S	43.8	43.2
750 to 999 lb	23.2	24.7	24.6	S	49.4	S	S	45.7	46.8	41.1	44.3	45.5
1,000 to 9,999 lb	12.1	15.0	14.2	17.0	14.7	15.3	18.2	12.7	12.7	38.2	31.4	31.3
10,000 to 49,999 lb	6.3	7.4	7.5	7.5	8.0	7.6	11.6	10.6	10.5	28.9	35.0	34.3
50,000 to 99,999 lb	20.2	20.0	19.3	12.4	11.4	11.0	28.6	26.5	26.6	37.8	37.0	36.1
100,000 lb or more	S	S	S	8.6	9.7	10.3	11.1	12.9	12.4	18.9	18.4	18.7
SCTG 27, Pulp, newsprint, paper, and paperboard	15.3	21.0	22.2	12.5	14.1	15.3	14.5	12.4	12.5	15.8	24.5	26.5
Less than 50 lb	31.9	27.5	29.3	45.1	30.4	30.9	45.6	36.2	34.5	S	S	S
50 to 99 lb	42.2	39.2	37.5	43.7	39.5	36.2	47.7	45.2	47.0	S	48.4	48.5
100 to 499 lb	22.3	19.8	18.4	44.2	42.8	40.3	S	38.1	36.6	S	S	S
500 to 749 lb	32.5	39.8	34.2	S	46.6	42.5	44.3	41.6	41.8	S	S	50.0
750 to 999 lb	S	S	S	S	S	49.3	41.6	40.9	39.6	S	S	S
1,000 to 9,999 lb	21.9	28.0	31.2	36.6	22.0	24.6	S	48.3	49.3	31.2	21.5	20.4
10,000 to 49,999 lb	14.9	18.3	19.5	14.0	14.0	14.1	12.5	12.3	12.3	13.2	14.1	14.0
50,000 to 99,999 lb	47.6	S	S	25.5	35.8	35.6	39.9	S	49.2	S	S	S
100,000 lb or more	30.6	26.5	27.2	18.8	19.3	20.2	15.6	14.4	14.3	26.0	34.4	36.4
SCTG 28, Paper or paperboard articles	16.0	18.1	18.6	10.1	11.7	11.4	16.4	17.8	18.7	22.0	23.1	23.5
Less than 50 lb	23.8	26.2	26.4	30.6	32.2	31.9	33.8	34.8	34.9	45.5	43.8	42.8
50 to 99 lb	27.2	28.5	29.5	44.5	38.4	40.2	S	S	S	S	S	S
100 to 499 lb	24.8	23.9	26.0	47.0	37.1	39.8	40.8	37.3	37.7	35.5	34.9	34.5
500 to 749 lb	31.8	32.0	28.7	36.7	31.2	31.9	43.0	39.1	39.9	S	S	S
750 to 999 lb	S	44.9	40.3	48.2	37.1	40.4	49.6	S	S	S	S	S
1,000 to 9,999 lb	23.8	25.4	24.9	22.3	27.7	27.9	31.1	47.0	48.9	38.0	37.4	39.4
10,000 to 49,999 lb	21.5	19.4	20.8	10.8	11.1	10.7	16.8	15.3	15.9	25.5	24.0	24.5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	38.4	12.6	12.4	17.2	11.7	11.3	18.1	12.7	13.7	14.7	14.5	14.0
Less than 50 lb	21.1	17.8	20.6	23.7	25.6	25.8	30.5	24.4	24.6	31.7	28.0	27.9
50 to 99 lb	S	45.8	42.2	32.3	31.0	30.9	38.8	30.9	31.1	S	42.5	41.0
100 to 499 lb	34.8	24.4	26.9	30.5	33.1	34.7	47.2	41.1	40.9	29.4	21.9	23.0
500 to 749 lb	47.4	33.5	29.9	33.7	24.1	24.2	38.0	26.6	26.7	S	45.9	45.6
750 to 999 lb	42.7	31.9	33.2	30.8	17.0	17.2	49.9	47.0	46.8	47.5	S	S
1,000 to 9,999 lb	S	37.9	37.0	31.3	12.0	11.9	29.4	36.1	40.2	20.5	18.5	18.1
10,000 to 49,999 lb	10.4	12.3	14.9	16.7	18.5	18.0	31.7	16.1	16.1	19.8	21.2	20.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	10.5	9.1	9.9	15.4	12.6	11.9	21.3	14.4	14.8	15.4	13.6	12.5
Less than 50 lb	17.4	19.7	18.9	17.3	22.3	22.2	20.6	26.8	27.4	21.9	29.1	29.5
50 to 99 lb	22.0	18.6	17.7	18.4	27.8	26.0	20.1	20.5	20.5	46.1	34.0	34.1
100 to 499 lb	19.1	20.0	19.7	27.2	21.2	22.1	22.5	15.9	16.3	25.2	24.1	23.5
500 to 749 lb	17.6	23.1	23.7	31.0	26.9	26.3	18.1	15.9	15.7	S	37.2	37.4
750 to 999 lb	S	43.8	36.8	34.0	35.1	40.4	43.8	37.8	34.8	35.1	42.0	45.6
1,000 to 9,999 lb	27.4	18.4	20.2	28.2	24.7	23.7	40.1	38.5	38.7	36.2	37.4	35.0
10,000 to 49,999 lb	11.7	11.1	11.5	12.9	13.6	12.7	32.5	16.7	17.5	11.2	11.2	11.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 31, Nonmetallic mineral products	12.4	9.1	10.5	13.6	12.7	13.3	17.6	13.6	14.0	18.7	15.4	15.3
Less than 50 lb	39.0	35.8	34.2	39.7	37.3	35.6	45.5	S	49.9	32.3	38.0	37.9
50 to 99 lb	39.5	33.5	32.3	44.5	39.2	41.3	47.3	S	49.0	47.0	48.9	S
100 to 499 lb	25.2	27.3	25.7	35.9	26.4	27.7	42.2	S	S	39.4	50.0	S
500 to 749 lb	40.7	25.4	29.9	S	38.6	39.4	44.3	S	S	S	S	S
750 to 999 lb	46.1	41.8	38.3	36.5	35.2	33.7	40.4	S	49.9	S	S	S
1,000 to 9,999 lb	22.4	20.5	20.0	25.2	20.3	19.7	34.6	26.1	26.4	38.1	29.6	30.5
10,000 to 49,999 lb	15.2	8.3	9.1	15.6	14.9	15.3	9.1	10.9	10.8	16.9	18.4	18.1
50,000 to 99,999 lb	13.1	14.6	14.8	26.5	27.1	26.1	S	49.3	49.7	—	—	—
100,000 lb or more	17.5	21.0	23.2	25.7	22.2	22.2	45.9	47.0	47.4	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	7.7	15.3	21.4	7.9	10.4	11.4	11.4	14.3	14.3	14.2	15.2	15.1
Less than 50 lb	20.6	34.1	35.5	29.1	23.7	22.4	S	29.0	28.5	S	45.0	43.7
50 to 99 lb	44.3	38.9	37.4	20.5	24.6	23.8	31.5	19.7	19.3	32.1	38.7	39.0
100 to 499 lb	24.3	22.6	22.5	19.1	22.2	23.3	18.5	26.2	24.1	S	31.9	30.7
500 to 749 lb	37.8	27.2	29.4	20.3	30.9	33.2	27.4	18.9	18.1	29.0	29.5	29.9
750 to 999 lb	35.9	30.2	29.4	31.8	35.0	36.3	29.6	25.1	25.4	30.7	25.8	25.9
1,000 to 9,999 lb	16.2	16.0	17.2	10.7	11.3	11.4	15.7	14.6	14.6	24.4	30.9	29.1
10,000 to 49,999 lb	9.0	8.2	8.4	10.2	10.3	10.4	14.1	17.4	18.0	14.6	12.0	12.4
50,000 to 99,999 lb	31.6	20.2	18.8	26.1	34.1	34.9	38.6	39.9	40.2	S	S	S
100,000 lb or more	28.5	S	S	22.8	25.7	26.3	20.7	16.9	16.6	42.2	36.5	35.3
SCTG 33, Articles of base metal	7.1	13.6	16.3	8.2	13.0	12.7	10.3	24.2	23.9	12.0	28.4	34.9
Less than 50 lb	19.2	18.7	15.9	18.5	19.3	20.5	22.2	21.3	21.7	24.4	35.2	35.5
50 to 99 lb	19.4	14.8	14.2	19.5	11.5	12.6	24.0	18.1	17.8	26.7	24.0	23.8
100 to 499 lb	17.4	7.8	8.0	18.4	9.7	9.4	16.6	12.9	12.6	21.9	19.1	18.5
500 to 749 lb	26.7	17.1	17.4	32.9	16.8	16.4	20.8	20.5	21.0	39.2	39.1	37.4
750 to 999 lb	20.8	14.8	13.7	17.8	14.3	14.7	18.1	18.2	17.8	45.5	23.0	22.6
1,000 to 9,999 lb	12.4	11.3	11.2	13.5	11.8	12.2	9.6	9.5	9.8	23.4	12.7	13.1
10,000 to 49,999 lb	11.9	13.3	13.1	9.1	11.9	12.5	9.4	13.4	13.3	15.1	18.1	18.8
50,000 to 99,999 lb	S	S	S	46.8	49.0	47.8	S	S	S	S	48.2	48.7
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	49.7	S
SCTG 34, Machinery	12.3	16.1	15.1	33.9	23.3	25.3	10.4	8.7	9.5	10.5	12.5	12.0
Less than 50 lb	16.8	27.3	33.1	15.1	35.7	33.9	16.0	11.2	11.9	47.4	15.0	15.1
50 to 99 lb	23.3	22.0	23.2	18.5	19.0	19.5	21.8	21.0	19.0	34.9	23.0	23.0
100 to 499 lb	15.2	16.9	16.8	12.2	10.2	10.5	21.6	12.5	13.5	23.5	15.8	15.4
500 to 749 lb	20.2	17.8	17.7	23.4	15.5	15.0	21.5	19.4	20.0	26.9	27.7	27.8
750 to 999 lb	30.4	25.3	25.9	19.1	17.3	18.0	24.0	20.3	21.2	39.2	35.9	36.8
1,000 to 9,999 lb	13.3	12.5	14.0	13.9	12.6	12.9	18.8	19.6	19.3	19.6	18.2	18.3
10,000 to 49,999 lb	24.2	24.4	23.0	S	31.7	34.4	14.8	12.3	13.5	14.8	14.8	14.3
50,000 to 99,999 lb	41.9	41.8	43.7	37.0	S	S	43.2	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	9.2	9.2	8.8	10.8	12.8	13.0	10.0	9.8	10.0	11.7	15.4	15.4
Less than 50 lb	19.7	14.9	16.6	15.7	15.6	15.7	18.1	19.5	19.3	19.1	23.9	24.4
50 to 99 lb	26.9	15.9	15.8	26.1	14.0	14.2	21.4	17.6	18.2	27.7	21.8	21.9
100 to 499 lb	13.8	17.4	18.2	16.8	17.1	17.1	22.0	15.2	15.7	18.4	17.3	18.1
500 to 749 lb	33.7	22.2	22.7	23.8	18.5	17.8	34.4	19.0	19.6	32.4	37.6	37.5
750 to 999 lb	33.4	20.3	21.5	31.0	14.1	13.6	35.9	25.4	24.5	S	43.7	42.3
1,000 to 9,999 lb	24.7	16.5	16.4	22.8	15.6	15.1	20.0	18.9	18.6	27.2	12.4	12.4
10,000 to 49,999 lb	15.9	10.8	10.5	12.9	15.3	15.6	21.3	12.3	12.6	22.0	19.7	19.8
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	44.2	43.3	43.3
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	14.3	12.4	13.4	16.4	16.8	18.0	23.1	20.8	22.0	28.2	22.4	24.4
Less than 50 lb	23.2	21.7	23.1	23.2	34.6	34.1	25.8	28.2	27.5	19.4	20.8	21.1
50 to 99 lb	41.8	37.6	36.1	23.6	21.1	21.7	28.4	34.5	33.3	49.0	S	S
100 to 499 lb	16.2	15.8	17.1	25.6	14.0	14.1	17.1	14.4	14.8	39.2	21.3	22.0
500 to 749 lb	38.8	18.4	18.1	35.7	21.5	20.9	41.6	17.9	17.9	23.4	29.4	29.7
750 to 999 lb	32.8	30.4	31.5	20.7	17.8	16.0	26.6	17.7	17.3	S	33.3	34.6
1,000 to 9,999 lb	25.1	24.2	20.4	24.4	25.4	25.7	37.8	41.2	42.2	42.8	44.6	46.6
10,000 to 49,999 lb	9.8	12.2	13.1	24.7	21.7	23.7	16.0	19.5	20.2	S	23.6	25.5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	21.9	23.9	21.7	21.3	28.7	30.7	16.5	29.4	29.9	25.8	22.8	22.5
Less than 50 lb	S	S	S	38.4	36.6	33.8	30.3	43.3	47.0	S	34.7	33.7
50 to 99 lb	S	S	S	S	35.2	29.8	26.9	S	S	47.1	28.1	29.1
100 to 499 lb	38.8	34.1	33.9	28.5	38.6	33.9	37.1	S	S	47.1	S	S
500 to 749 lb	S	S	S	S	47.3	46.8	48.2	31.9	32.7	S	S	S
750 to 999 lb	S	S	S	S	47.2	47.0	S	26.1	26.9	S	S	S
1,000 to 9,999 lb	25.8	31.1	33.2	20.8	18.6	18.1	22.1	21.5	21.6	23.5	28.0	27.7
10,000 to 49,999 lb	36.8	43.6	32.4	S	39.9	40.3	24.0	37.5	38.5	S	45.3	44.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	13.3	S	S	37.7	38.1	38.4	S	S	S
SCTG 38, Precision instruments and apparatus	25.3	30.6	30.5	19.0	29.3	27.6	23.3	35.5	34.4	24.2	30.8	30.3
Less than 50 lb	26.2	27.6	26.1	27.6	35.9	35.9	29.9	36.6	36.0	29.5	37.0	36.9
50 to 99 lb	35.9	25.0	25.5	37.7	26.1	27.5	S	27.8	28.9	S	37.3	37.0
100 to 499 lb	26.8	23.7	21.8	27.8	26.6	27.6	39.4	33.8	32.6	S	43.2	44.2
500 to 749 lb	S	S	47.9	35.4	36.5	38.5	S	41.2	47.1	S	S	S
750 to 999 lb	S	S	S	45.1	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	37.9	42.3	27.6	36.3	37.3	35.9	S	S	43.3	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	11.8	10.8	9.8	9.2	13.7	14.3	12.9	16.9	16.2	12.9	15.1	15.5
Less than 50 lb	23.8	25.6	28.9	34.9	29.5	28.2	28.9	22.5	22.5	24.7	29.0	28.9
50 to 99 lb	17.9	20.1	21.4	22.3	22.1	25.1	33.0	21.6	21.5	19.6	19.5	19.8
100 to 499 lb	14.5	14.5	15.1	14.3	11.4	11.6	9.9	11.1	10.9	15.3	13.4	13.1
500 to 749 lb	23.2	18.5	20.6	23.1	17.2	16.2	18.3	18.8	18.9	20.8	26.9	27.5
750 to 999 lb	20.0	19.7	18.6	17.0	19.7	19.3	28.6	16.0	16.0	36.5	31.3	30.9
1,000 to 9,999 lb	20.3	19.2	18.1	12.8	14.8	15.5	15.3	20.4	19.6	16.0	21.7	22.5
10,000 to 49,999 lb	17.3	21.7	21.4	18.9	19.9	20.3	23.7	23.9	23.5	26.5	19.6	19.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	23.7	21.3	17.3	7.2	10.4	10.4	9.4	16.2	16.0	9.6	13.8	13.6
Less than 50 lb	20.1	13.7	13.6	9.1	10.3	10.6	9.6	12.5	13.2	12.0	14.7	14.4
50 to 99 lb	21.2	18.6	17.5	15.6	13.3	14.7	18.5	18.3	18.5	20.6	12.9	12.9
100 to 499 lb	16.9	23.5	24.7	13.0	21.5	23.1	13.1	33.0	28.9	12.5	13.3	13.0
500 to 749 lb	21.3	16.7	15.9	15.1	15.4	15.8	23.3	19.4	19.4	31.7	36.0	34.0
750 to 999 lb	26.2	24.7	23.9	31.1	22.4	23.9	34.7	27.7	26.3	24.4	26.7	27.0
1,000 to 9,999 lb	16.4	14.3	15.4	10.7	13.3	12.6	17.6	10.2	10.2	13.3	15.5	15.8
10,000 to 49,999 lb	43.5	28.5	23.3	9.6	14.2	14.4	15.8	26.2	26.0	15.9	19.0	18.3
50,000 to 99,999 lb	26.2	40.7	37.3	23.4	23.9	24.4	32.7	32.4	33.2	S	S	S
100,000 lb or more	S	S	S	39.8	48.3	49.4	S	38.9	36.6	S	S	S
SCTG 41, Waste and scrap .	21.7	29.5	30.5	38.0	38.2	39.4	19.4	25.1	23.9	41.4	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	S	S	S	—	—	—
100 to 499 lb	47.4	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	37.8	31.6	31.4	45.4	38.5	43.2	S	S	S	—	—	—
10,000 to 49,999 lb	21.4	34.1	36.3	16.5	23.2	21.2	21.8	30.6	27.6	46.7	45.6	47.5
50,000 to 99,999 lb	24.8	34.1	43.2	46.9	45.3	S	S	S	S	S	S	S
100,000 lb or more	34.4	33.3	30.9	S	46.3	46.6	37.6	44.7	42.5	S	S	S
SCTG 43, Mixed freight	28.3	12.2	12.2	18.8	14.7	15.1	20.5	22.9	23.9	32.9	36.9	39.2
Less than 50 lb	28.0	32.4	32.0	46.4	40.0	42.8	S	S	S	48.9	S	S
50 to 99 lb	42.1	S	S	S	S	S	49.0	S	S	S	S	S
100 to 499 lb	26.3	46.3	49.2	38.8	33.9	30.8	34.9	S	48.5	S	S	S
500 to 749 lb	28.2	34.9	39.3	S	S	S	S	S	S	—	—	—
750 to 999 lb	39.9	35.8	36.3	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	45.6	23.0	23.7	39.5	34.5	34.6	44.4	42.1	42.6	—	—	—
10,000 to 49,999 lb	19.9	15.2	15.5	17.0	12.6	12.8	29.1	30.5	30.8	36.5	38.7	41.1
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	S	45.1	48.7	S	S	S	S	S	S	42.1	S	S
Less than 50 lb	S	46.2	37.6	31.3	32.4	33.6	40.7	35.8	34.8	S	S	S
50 to 99 lb	S	44.6	41.9	42.4	45.3	46.1	S	S	S	S	S	S
100 to 499 lb	35.4	45.7	43.1	39.5	29.9	31.7	40.1	S	S	S	S	S
500 to 749 lb	S	42.9	43.9	49.4	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	49.7	43.1	S	39.2	37.6	S	43.2	43.9	S	S	S
10,000 to 49,999 lb	S	45.8	48.5	S	41.7	42.9	S	S	S	37.0	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	7.8	5.8	7.1	9.2	7.1	8.2	11.7	33.8	34.3
Less than 50 lb	9.6	10.3	10.2	8.1	10.1	10.0	11.5	15.4	14.7
50 to 99 lb	24.5	45.1	44.6	14.6	12.3	12.2	14.7	22.8	22.1
100 to 499 lb	12.2	8.7	8.4	14.9	12.0	11.9	13.8	S	S
500 to 749 lb	14.4	14.1	14.0	32.8	10.2	10.1	24.7	15.6	15.4
750 to 999 lb	41.2	19.5	19.5	17.8	10.2	10.4	22.0	22.4	22.5
1,000 to 9,999 lb	13.9	8.4	8.9	14.6	11.6	12.2	29.2	13.7	14.3
10,000 to 49,999 lb	17.9	4.8	4.9	16.1	6.9	7.7	13.1	9.6	9.1
50,000 to 99,999 lb	24.0	39.1	37.5	24.4	24.3	24.7	S	34.1	33.3
100,000 lb or more	14.7	19.3	22.2	19.4	22.5	24.2	48.9	S	S
SCTG 01, Live animals and live fish	48.2	48.5	48.1	S	S	S	-	-	-
Less than 50 lb	S	S	S	-	-	-	-	-	-
50 to 99 lb	-	-	-	-	-	-	-	-	-
100 to 499 lb	-	-	-	-	-	-	-	-	-
500 to 749 lb	-	-	-	-	-	-	-	-	-
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	S	S	S	-	-	-	-	-	-
10,000 to 49,999 lb	S	S	S	S	S	S	-	-	-
50,000 to 99,999 lb	S	S	S	-	-	-	-	-	-
100,000 lb or more	-	-	-	-	-	-	-	-	-
SCTG 02, Cereal grains	-	-	-	S	S	S	-	-	-
Less than 50 lb	-	-	-	-	-	-	-	-	-
50 to 99 lb	-	-	-	-	-	-	-	-	-
100 to 499 lb	-	-	-	-	-	-	-	-	-
500 to 749 lb	-	-	-	-	-	-	-	-	-
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	-	-	-	S	S	S	-	-	-
10,000 to 49,999 lb	-	-	-	S	S	S	-	-	-
50,000 to 99,999 lb	-	-	-	-	-	-	-	-	-
100,000 lb or more	-	-	-	-	-	-	-	-	-
SCTG 03, Other agricultural products	S	S	S	47.2	48.3	48.4	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	-	-	-	-	-	-	S	S	S
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	-	-	-	S	S	S	-	-	-
50,000 to 99,999 lb	-	-	-	S	S	S	-	-	-
100,000 lb or more	-	-	-	S	S	S	-	-	-
SCTG 04, Animal feed and products of animal origin, n.e.c.	S	49.9	49.0	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	-	-	-
100 to 499 lb	S	S	S	-	-	-	-	-	-
500 to 749 lb	-	-	-	-	-	-	-	-	-
750 to 999 lb	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	S	S	S	S	S	S	-	-	-
10,000 to 49,999 lb	S	S	S	S	S	S	-	-	-
50,000 to 99,999 lb	S	S	S	S	S	S	-	-	-
100,000 lb or more	-	-	-	-	-	-	-	-	-
SCTG 05, Meat, fish, seafood, and their preparations	28.7	28.2	28.3	21.1	23.1	23.8	39.4	43.1	46.2
Less than 50 lb	46.6	48.6	47.1	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	-	-	-
750 to 999 lb	S	S	S	S	S	S	-	-	-
1,000 to 9,999 lb	42.1	32.7	34.5	22.6	23.0	22.9	42.9	S	S
10,000 to 49,999 lb	41.8	34.8	35.0	22.9	24.1	24.8	34.0	33.3	40.5
50,000 to 99,999 lb	S	S	S	-	-	-	S	S	S
100,000 lb or more	-	-	-	-	-	-	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	28.8	27.4	27.3	26.5	23.8	23.5	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	-	-	-	-	-	-	-	-	-
100 to 499 lb	-	-	-	-	-	-	-	-	-
500 to 749 lb	-	-	-	-	-	-	-	-	-
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	40.0	39.2	37.9	35.9	36.5	35.5	S	S	S
10,000 to 49,999 lb	32.2	26.1	25.8	28.4	29.5	27.9	S	S	S
50,000 to 99,999 lb	-	-	-	-	-	-	-	-	-
100,000 lb or more	S	S	S	S	S	S	-	-	-

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	25.9	36.3	34.1	24.9	47.9	S	35.0	39.0	39.3
Less than 50 lb	S	S	S	45.5	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—
100 to 499 lb	45.2	43.2	42.6	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	37.0	S	S	33.8	36.4	36.3	S	S	S
10,000 to 49,999 lb	30.8	36.1	35.1	27.6	S	S	37.2	40.5	40.9
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 08, Alcoholic beverages	41.4	35.8	37.3	31.0	39.0	38.8	46.5	49.7	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	46.1	48.1	S	S	S
10,000 to 49,999 lb	42.1	36.6	38.1	31.1	39.6	39.3	46.9	49.7	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	S	48.1	48.5	S	S	S	S	S	S
Less than 50 lb	48.7	48.4	47.5	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	—	—	—	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	S	30.5	29.6	42.0	40.1	38.5	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	30.6	48.5	46.6	48.8	46.6	45.3	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 15, Coal	—	—	—	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	—	—	—	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	45.3	37.0	36.0	49.3	42.7	43.1	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 20, Basic chemicals	21.5	23.0	23.8	21.5	20.4	20.5	39.2	41.7	42.2
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	39.5	40.4	—	—	—
750 to 999 lb	S	S	S	S	48.0	47.9	—	—	—
1,000 to 9,999 lb	S	32.1	30.5	40.8	34.5	33.4	S	S	S
10,000 to 49,999 lb	24.7	26.1	26.9	29.5	21.4	21.7	49.7	45.9	46.7
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	33.7	30.1	30.2	S	S	S
SCTG 21, Pharmaceutical products	27.1	47.8	S	31.5	S	S	S	44.2	45.0
Less than 50 lb	45.8	49.0	48.6	32.6	32.6	32.4	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	22.4	30.9	28.2	22.8	32.0	31.2	S	47.4	43.7
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	29.7	41.8	40.7	S	S	S
100 to 499 lb	32.4	33.5	34.5	36.9	29.6	30.1	49.3	S	S
500 to 749 lb	44.7	42.5	42.1	39.5	34.4	33.6	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	40.0	24.5	24.4	29.8	34.3	33.6	S	S	S
10,000 to 49,999 lb	29.3	40.0	36.9	29.0	36.1	35.2	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 24, Plastics and rubber	17.1	20.4	22.5	11.6	11.1	11.4	22.5	33.5	33.7
Less than 50 lb	21.3	27.4	26.1	28.0	18.0	18.2	39.2	42.3	41.8
50 to 99 lb	S	30.1	31.4	48.9	37.2	37.0	S	S	S
100 to 499 lb	29.0	27.5	26.8	36.4	27.6	28.2	S	45.1	43.8
500 to 749 lb	41.2	29.3	30.5	S	33.5	31.3	S	S	S
750 to 999 lb	43.7	43.6	42.4	33.9	35.2	36.0	47.2	S	S
1,000 to 9,999 lb	18.8	25.5	25.9	13.6	11.7	11.4	46.7	38.3	36.3
10,000 to 49,999 lb	19.3	17.8	18.7	13.1	12.0	12.4	34.8	42.9	43.7
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	46.3	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	37.2	36.6	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 26, Wood products	20.0	18.7	19.3	16.3	18.3	18.6	27.7	35.0	35.2
Less than 50 lb	S	48.3	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	48.6	48.6	S	S	S
100 to 499 lb	48.0	46.1	47.9	S	S	S	S	47.9	47.5
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	49.4	48.6	38.2	35.2	33.9	S	S	S
10,000 to 49,999 lb	25.3	22.8	23.3	19.6	20.5	20.3	34.5	31.9	32.5
50,000 to 99,999 lb	39.1	33.3	33.4	S	41.6	42.3	45.8	S	49.6
100,000 lb or more	24.1	23.5	23.4	32.7	30.5	31.3	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	14.3	13.8	15.0	19.7	18.8	18.9	34.8	41.2	41.5
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	41.3	41.4	S	46.2	46.0	S	S	S
10,000 to 49,999 lb	20.8	19.3	19.3	22.7	25.3	26.3	40.7	44.7	42.7
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	16.6	17.2	19.3	27.1	24.8	24.7	S	S	S
SCTG 28, Paper or paperboard articles	34.8	48.4	48.5	15.2	20.2	20.0	26.0	23.6	23.6
Less than 50 lb	47.9	S	S	36.5	30.6	30.4	S	S	S
50 to 99 lb	S	49.8	48.8	49.1	S	S	S	S	S
100 to 499 lb	37.9	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	48.3	47.9	S	S	S
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	40.5	43.3	40.6	S	S	S
10,000 to 49,999 lb	35.1	45.9	45.2	21.2	23.7	23.2	27.5	24.5	24.5
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	17.4	20.9	20.6	20.5	19.6	19.2	20.5	30.2	30.2
Less than 50 lb	24.6	29.5	29.9	30.6	25.8	25.6	29.4	27.5	27.0
50 to 99 lb	S	44.4	44.3	37.9	31.3	31.5	S	S	S
100 to 499 lb	49.8	S	47.5	S	36.8	35.9	47.4	46.2	44.2
500 to 749 lb	S	48.7	S	37.6	37.7	37.1	S	S	S
750 to 999 lb	S	42.7	42.5	45.3	47.2	45.6	S	S	S
1,000 to 9,999 lb	41.2	35.7	38.3	42.4	23.3	24.8	43.3	45.8	45.8
10,000 to 49,999 lb	26.8	28.7	28.5	23.6	25.2	25.0	46.5	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	17.1	12.1	12.1	42.4	32.7	31.5	19.4	19.3	19.3
Less than 50 lb	17.1	17.5	17.7	22.0	23.7	24.2	28.7	S	S
50 to 99 lb	32.3	35.7	38.0	20.8	21.4	21.2	45.9	S	S
100 to 499 lb	32.0	25.2	25.1	23.8	18.0	18.6	46.9	30.1	29.9
500 to 749 lb	S	S	S	34.2	31.9	31.5	33.4	30.0	29.5
750 to 999 lb	S	S	S	21.8	28.9	28.4	33.1	30.2	29.6
1,000 to 9,999 lb	33.5	20.0	20.9	44.0	42.8	44.0	25.4	19.3	18.9
10,000 to 49,999 lb	21.2	17.4	17.5	S	46.7	45.2	41.9	42.8	44.0
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	28.0	20.3	21.5	S	30.3	31.8	25.1	22.4	20.5
Less than 50 lb	S	43.7	43.3	S	43.6	41.8	S	44.6	44.6
50 to 99 lb	S	S	S	S	49.3	49.8	S	48.1	47.0
100 to 499 lb	44.4	46.8	44.5	45.5	38.6	39.7	43.8	38.0	37.7
500 to 749 lb	S	49.8	S	46.5	44.8	44.6	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	38.6	39.1	35.8	28.2	20.9	20.7	47.9	S	S
10,000 to 49,999 lb	36.5	20.6	20.1	S	34.2	35.7	29.5	23.6	21.4
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	15.7	19.8	21.4	22.1	40.2	44.0	S	S	S
Less than 50 lb	25.7	36.3	37.3	23.0	21.9	21.9	S	S	S
50 to 99 lb	39.0	28.2	29.1	24.7	26.2	26.5	S	S	S
100 to 499 lb	28.4	21.4	21.0	46.4	S	S	S	44.7	44.7
500 to 749 lb	39.8	41.1	40.8	S	49.2	48.7	S	S	S
750 to 999 lb	45.8	38.8	39.9	42.2	41.1	41.3	—	—	—
1,000 to 9,999 lb	34.7	26.3	27.7	20.8	43.1	43.6	32.1	42.8	42.5
10,000 to 49,999 lb	24.9	21.3	20.9	27.8	27.7	28.0	38.8	35.8	36.4
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	38.2	44.2	46.4	46.4	S	S	S	S	S
SCTG 33, Articles of base metal	10.9	15.7	15.7	14.4	28.7	33.0	23.3	S	S
Less than 50 lb	21.7	19.7	20.1	25.1	24.2	22.9	34.0	33.6	39.5
50 to 99 lb	30.9	30.0	30.6	30.5	23.4	23.2	S	S	S
100 to 499 lb	31.3	22.2	23.6	42.6	27.2	27.2	36.7	45.2	46.1
500 to 749 lb	S	49.8	S	44.6	32.1	32.8	S	S	S
750 to 999 lb	40.5	S	S	29.7	34.3	33.2	46.9	45.2	45.4
1,000 to 9,999 lb	20.5	20.1	20.4	26.7	24.2	22.8	37.6	31.0	35.4
10,000 to 49,999 lb	29.4	22.1	22.0	18.5	16.5	15.3	46.1	49.4	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 34, Machinery	13.8	17.9	18.9	13.3	16.0	15.5	23.9	31.7	30.3
Less than 50 lb	21.0	18.4	19.1	24.6	22.1	22.4	33.5	26.0	27.4
50 to 99 lb	36.0	24.7	25.0	31.5	32.8	31.9	41.9	48.0	48.3
100 to 499 lb	29.5	20.9	21.9	24.3	17.7	17.8	34.1	34.8	33.1
500 to 749 lb	36.7	29.7	29.5	32.5	34.9	34.2	43.9	38.6	39.4
750 to 999 lb	45.9	39.2	39.1	S	40.1	41.3	S	S	S
1,000 to 9,999 lb	27.4	22.1	21.4	22.3	22.9	22.5	49.1	29.2	27.3
10,000 to 49,999 lb	28.8	26.9	27.5	20.3	18.9	18.8	36.9	43.0	43.5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	43.0	22.3	22.5	10.4	19.3	18.9	S	31.8	30.6
Less than 50 lb	19.9	32.0	31.6	16.6	37.1	37.4	31.1	44.2	41.0
50 to 99 lb	46.9	31.1	32.8	34.3	15.3	15.7	48.0	49.4	49.4
100 to 499 lb	37.7	21.6	21.4	29.4	36.8	33.7	41.0	34.1	33.3
500 to 749 lb	28.3	27.6	26.8	42.3	27.6	27.9	36.3	36.3	41.3
750 to 999 lb	43.5	41.0	40.1	38.3	37.1	35.8	S	S	S
1,000 to 9,999 lb	22.1	21.1	20.8	24.9	21.3	21.1	S	S	49.9
10,000 to 49,999 lb	S	31.0	31.2	19.6	23.1	22.4	S	48.4	49.3
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	21.2	18.7	18.9	23.3	20.2	20.3	26.2	31.2	30.5
Less than 50 lb	22.8	30.3	31.2	23.9	25.3	25.2	S	37.7	S
50 to 99 lb	45.1	36.5	38.3	S	38.3	39.4	S	S	S
100 to 499 lb	20.5	20.8	21.3	28.4	27.2	26.7	32.7	30.9	28.5
500 to 749 lb	30.0	35.1	34.0	S	42.1	44.0	S	S	S
750 to 999 lb	30.0	33.2	31.6	42.1	35.3	34.4	S	S	S
1,000 to 9,999 lb	34.3	36.5	36.3	28.5	27.4	28.2	45.7	41.8	43.4
10,000 to 49,999 lb	24.0	22.9	23.0	35.4	26.3	26.2	45.3	45.0	44.3
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	39.6	S	S	36.5	30.2	29.7	35.9	31.3	32.1
Less than 50 lb	35.1	39.8	41.2	30.6	29.5	30.1	44.6	21.3	21.9
50 to 99 lb	S	43.0	43.0	S	46.9	46.5	41.1	S	S
100 to 499 lb	S	S	S	44.6	44.1	45.1	38.7	30.7	31.2
500 to 749 lb	S	S	S	S	45.1	44.4	S	47.8	48.4
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	40.8	38.8	39.7	35.0	41.7	43.4	S	38.9	38.6
10,000 to 49,999 lb	S	50.0	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	30.4	45.4	44.7	32.3	34.1	33.0	27.3	45.9	49.7
Less than 50 lb	49.8	S	S	37.8	S	49.7	33.5	30.6	30.9
50 to 99 lb	S	33.0	32.9	S	S	S	S	S	S
100 to 499 lb	25.9	27.5	30.1	29.7	S	S	S	S	S
500 to 749 lb	S	49.3	49.4	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	15.5	34.7	34.6	16.0	14.4	14.5	19.0	21.3	24.4
Less than 50 lb	36.9	24.1	26.5	46.9	26.7	26.7	34.5	27.9	28.5
50 to 99 lb	41.1	29.7	29.0	26.9	21.6	22.1	S	S	S
100 to 499 lb	19.5	24.4	23.2	21.3	19.2	19.5	23.3	25.5	25.9
500 to 749 lb	33.1	31.3	31.2	32.7	30.0	30.5	S	S	S
750 to 999 lb	38.4	45.9	46.3	S	45.4	46.1	S	S	S
1,000 to 9,999 lb	19.9	26.7	27.6	20.3	16.7	17.7	27.1	26.1	34.5
10,000 to 49,999 lb	27.2	32.2	32.5	30.7	27.3	28.0	S	48.3	47.3
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	12.1	20.9	22.0	15.4	13.8	14.0	21.5	40.7	38.7
Less than 50 lb	21.8	14.7	15.1	17.5	15.7	15.7	23.2	20.2	19.2
50 to 99 lb	29.8	19.4	19.8	36.7	19.5	20.1	S	38.2	48.3
100 to 499 lb	22.9	18.7	21.5	21.9	17.6	17.1	34.8	S	S
500 to 749 lb	44.0	28.6	28.9	S	28.7	29.1	S	S	S
750 to 999 lb	S	42.7	40.5	24.2	26.0	26.1	S	S	S
1,000 to 9,999 lb	14.7	11.1	11.2	37.5	23.9	24.6	48.8	S	S
10,000 to 49,999 lb	25.2	19.4	19.5	29.9	17.5	17.8	48.3	44.4	45.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 41, Waste and scrap .	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 43, Mixed freight	S	S	S	42.6	46.9	48.5	45.6	39.9	39.8
Less than 50 lb	S	47.0	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	45.8	40.0	39.9
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	S	S	S	43.0	41.0	41.0	S	S	S
Less than 50 lb	S	46.5	45.7	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

SAMPLE DESIGN

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

First Stage

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidiroglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty make up the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode-NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

Second Stage

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26,

1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

Third Stage

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

DATA COLLECTION

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which

the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed "unusable." (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these "unusable" shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of "usable" shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment's reporting week are both equal to one.

The quarter weight inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of

quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment's value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment's probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

Appendix D.

Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by agencies of the United States and Canadian governments based on the Harmonized System (HS) of product classification which is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In the past, Commodity Flow Survey (CFS) data have been collected and reported using product classifications found in the Standard Transportation Commodity Classification (STCC) system. These classifications were developed in the early 1960s by the American Association of Railroads (AAR) to analyze commodity movements by rail. The original purpose of the STCC was for identification of commodities for purposes of assigning rates for Interstate Commerce Commission (ICC) regulated rail carriers. The STCC continues to be used by the AAR as a tariff mechanism.

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although

it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

In 1997 the CFS provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, we instructed respondents to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment.

Additional information on the SCTG system can be found on the Internet through the BTS web page at <http://www.bts.gov>. Comments or questions on the SCTG should be directed to [http://cfs@bts.gov](mailto:cfs@bts.gov).

Appendix E.

Sample Report Forms and Instructions

The sample report forms and instructions are shown on the following pages.

Note: The CFS-2000 was sent to a subsample of establishments to obtain additional information about the use of transportation equipment and facilities.

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see *Instruction Guide* for a definition of "shipment."**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

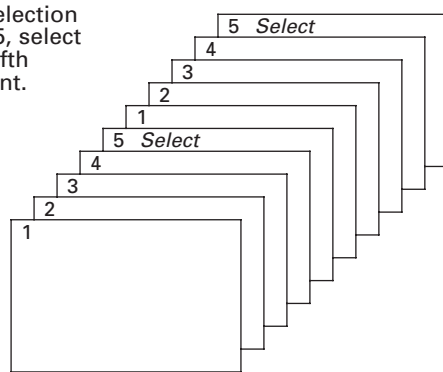
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

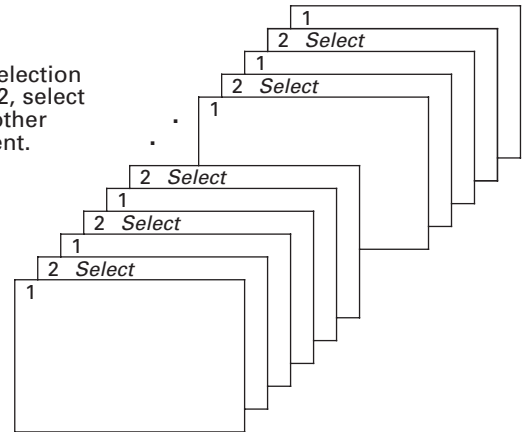
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(l)	(m)		
	City	State	ZIP Code			City	Country		
N	Los Angeles	CA	9 0 0 4 0	2, 4, 3	N				0
N	New York	NY	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G
1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

2. Are the records for outbound shipments from this location maintained in a number of separate files (e.g., separate files for each commodity, or for each shipping site) at this location?

☐ Yes

☐ No

If yes to item G1 or item G2:
3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

Enter the total value of shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item I

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item J
CERTIFICATION

Name of person to contact regarding this report — *Please print*

Telephone number — *Include area code*

Date

Signature

Title

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1
- ☐
- In operation
-
- 2
- ☐
- Temporarily or seasonally inactive
-
- 3
- ☐
- Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see Instruction Guide for a definition of "shipment."

**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

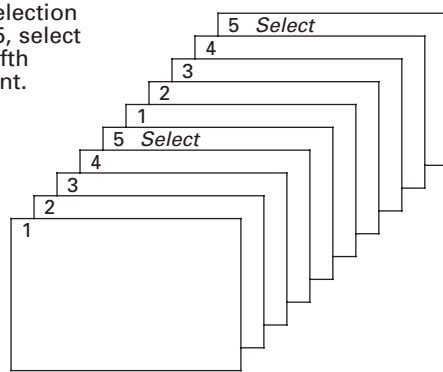
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

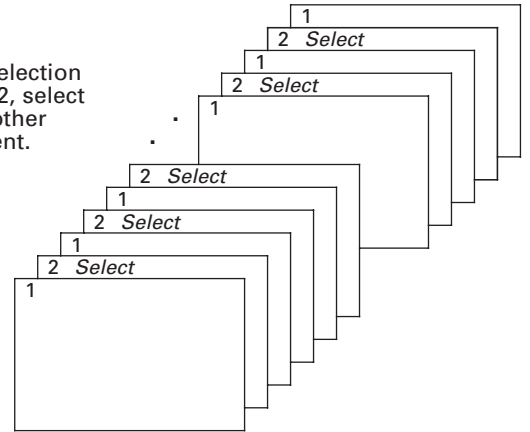
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
N	Los Angeles	CA	9 0 0 4 0	2, 4, 3	N				0
N	New York	NY	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued

Item G

Enter the total dollar value of **all** shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item H

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item I
AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not this type of facility existed **on-site** during 1997. For each "Yes" in column (b), check "Yes" or "No" in column (c) to indicate whether or not you used the facility on your premises for **outbound shipments** during 1997.

Type of shipping facility (a)	Was a shipping facility of this type on your premises during 1997? (b)	Did you use this facility on your premises for outbound shipments during 1997? (c)
1. Rail siding	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
2. Dock on the Great Lakes	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
3. Dock on inland water	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
4. Dock on deep sea water	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No
6. Pipeline terminal	1 ☐ Yes 2 ☐ No	1 ☐ Yes 2 ☐ No

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item J **USE OF OFF-SITE SHIPPING FACILITIES**

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not you used an **off-site** facility of that type for **outbound shipments** during 1997. For each "Yes", enter the miles to that off-site facility in column (c), and the mode of transport used to reach that facility in column (d). The modes are listed below.

Type of shipping facility (a)	Did you use this type of off-site facility for outbound shipments during 1997? (b)	Distance to the off-site facility of this type that you used most in 1997 (Report in miles – estimates are acceptable) (c)	Mode of transport used to reach that facility (Enter a code from the list below) (d)
1. Rail siding	1 ☐ Yes —————→ 2 ☐ No		
2. Dock on the Great Lakes	1 ☐ Yes —————→ 2 ☐ No		
3. Dock on inland water	1 ☐ Yes —————→ 2 ☐ No		
4. Dock on deep sea water	1 ☐ Yes —————→ 2 ☐ No		
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —————→ 2 ☐ No		
6. Pipeline terminal	1 ☐ Yes —————→ 2 ☐ No		

1 – Trailer on Flat Car (TOFC)
2 – Private Truck

3 – For-Hire Truck
4 – Rail

5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

During 1997, did this location use any of the following types of equipment for outbound shipments? Please check "Yes" or "No." For rail cars reported in number 1 below, enter the approximate percentage of your total outbound rail shipments that used that type of rail car. These percentages should add to 100%. If you had no rail shipments, leave the percentages blank.

Equipment (a)	Was this type of equipment used for outbound shipments during 1993? (b)	Percentage of total rail shipments (c)
1. Rail cars that:	1 ☐ Yes → 2 ☐ No	
a. Your company owned/leased		
b. A common carrier owned/leased	1 ☐ Yes → 2 ☐ No	
c. Another party owned/leased (e.g. receiver)	1 ☐ Yes → 2 ☐ No	
2. Trucks with 6 or more tires or truck-tractors that:	1 ☐ Yes 2 ☐ No	
a. Your company owned		
b. Your company leased, with driver	1 ☐ Yes 2 ☐ No	
c. Your company leased, without driver	1 ☐ Yes 2 ☐ No	
3. Truck trailers that your company owned or leased	1 ☐ Yes 2 ☐ No	
4. Aircraft that your company owned or leased	1 ☐ Yes 2 ☐ No	
5. Barges that your company owned or leased	1 ☐ Yes 2 ☐ No	
6. Other equipment that your company owned or leased – <i>Specify</i> ↗	1 ☐ Yes 2 ☐ No	

Item L TRANSPORTATION DECISIONS

During 1997, who generally decided on the mode of transportation for your outbound shipments? *Check the appropriate box.*

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

Item M CERTIFICATIONName of person to contact regarding this report – *Please print*Telephone number – *Include area code*

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

You may use estimates if book figures are not readily available.

If you have questions about completing the survey, a Census Bureau representative will be glad to assist you. You can call us at 1-800-772-7851.

Some instructions are included on the questionnaire itself. However, due to space limitations, most of the instructions and definitions are included in separate reference materials. These include this instruction guide, and a listing of commodity codes to be used for classifying individual shipments in this survey.

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

The CFS produces valuable measures of the demands on the nation's transportation system.

The results of the CFS are used by transportation policy makers to analyze future transportation needs.

Who reports in the CFS?

The CFS covers a sample of establishments in the mining, manufacturing, wholesale, and selected retail industries.

Why is my participation important?

Your establishment was selected as part of a sample designed to represent a wide range of industries and geographic regions.

Your report helps ensure quality results.

Is this survey mandatory?

Yes. The CFS is mandatory under the authority of Title 13, United States Code (USC).

Will my data be kept confidential?

Yes. The same law that requires your participation, Title 13, USC, also guarantees your data will be kept strictly confidential.

The reports you provide the Census Bureau cannot be used for purposes of taxation, regulation, or investigation.

Your report is used only to develop summary data that do not reveal the activities of individual firms or establishments.

How often must I report?

You will be sent four questionnaires in all: one during each quarter of 1997.

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

Please enter the information requested on your establishment's name, operational status, and physical location.

Item D

Enter in the space provided your total number of outbound shipments **for the one week reporting period** on the front of the questionnaire.

Please include in this count any materials picked up by the customer ("customer pick-up").

What we mean by a "shipment":

For the purposes of this survey, a shipment is a single movement of goods, commodities, products, etc. from your location to a customer or to another location of your company.

"Commodities" refer to items that your location produces, sells, or distributes, *not* to items that are considered by-products of your location's operation.

What we don't mean by a "shipment":

Do *not* include as shipments items such as inter-office memos, payroll checks, business correspondence, etc.

Do *not* include as shipments items such as refuse, scrap paper, waste, and recyclable materials **unless** your location is in the business of selling or providing these materials to others.

A special note about "shipments":

A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location.

If a truck makes multiple deliveries on a route, **please count each stop as one shipment.**

Item E: Sampling Instructions

If you reported 40 or fewer shipments in Item D, complete Item F (Shipment Characteristics) for all of your shipments covered by the one-week reporting period.

If you reported more than 40 shipments in Item D, follow the instructions in Item E in order to select a sample of shipments on which to report in Item F.

By asking you to select a sample of your shipments for the one-week reporting period, we avoid asking you for information on all your shipments, while still obtaining statistically accurate information.

Reminder: The files you are sampling from should reflect the full range of your location's shipping activities in terms of modes of transportation used, commodities shipped, and destinations.

We're here to answer your questions! If you have questions about the sampling process (or any part of the questionnaire) please call us at 1-800-772-7851.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

- **Shipment ID Number (column b)** – Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date (column c)** – Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value (column d)** – Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, f.o.b. plant). If the value is not readily available from your records, please estimate.
- **Shipment Weight (column e)** – Enter the weight of the total shipment in whole pounds. If weight is not readily available from your records, please estimate.
- **Commodity Code (column f)** – Please use the list of Standard Classification of Transported Goods (SCTG) Codes in the enclosed SCTG Manual to select the proper code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight.
- **Commodity Description (column g)** – Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.

Item F SHIPMENT CHARACTERISTICS							
Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
		Month	Day				
0	123-5	4	26	4,235	140	3 6 1 2 0	Electrical transformers
00	123-6	4	26	125,300	626,500	1 7 1 0 0	Gasoline
1							
2							
3							
4							

Mode of transport codes for columns (k) and (n) ▶

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **For Hazardous Materials (column h)** – If shipment is a hazardous material, enter the 4-digit United Nations or North American number.
- **Containerized (column i)** – Indicate whether or not the shipment was containerized by entering "Y" or "N" (yes or no). Containerized means that the shipment **left your establishment** in an intermodal container or stackable tank without permanently attached wheels. These containers typically vary from 20 to 53 feet in length, and are carried on truck chassis, trains, and ships.
- **U.S. Destination: City, State, and ZIP Code (column j)** – For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver as it appears on the shipping document. Use the **"ship to"** address. Use the two letter state abbreviation shown in Part IV.

For **export shipments**, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, it is the border crossing.
- **Mode(s) of Transport (column k)** – Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in column j). Codes are located on the bottom of pages 2, 3, 4, and 5 of the questionnaire. Enter in the sequence used, all that apply. See Part III for definitions of each mode.

For Customer Pick-up: Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

If a hazardous material, enter the "UN" or "NA" number (h)	Containerized? (Y/N) (i)	U.S. destination (j)			Mode(s) of transport to U.S. destination Enter all that apply using codes shown below. (k)
		City	State	ZIP Code	
	N	Los Angeles	CA	90040	2, 4, 3
	N	New York	NY	10454	5

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **Export Shipment (column l)** – Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" or "N" (yes or no). For purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions are considered exports.
- **Foreign Destination: City and Country (column m)** – If the shipment is an export, enter the foreign city and country of destination. **For U.S. Destination (column j),** enter the U.S. port, airport, or border crossing of exit. **In column (k),** enter the mode of transport used to the U.S. destination.
- **Export Mode (column n)** – If the shipment is an export, enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 2, 3, 4, and 5 of the questionnaire.

Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	Country		
N				0
Y	London	England	6	00
				1
				2
				3
				4
				5

Items G – I

Please enter the information requested.

Item J: Certification

Please enter the name and telephone number of the person to contact in the event that we have a question about your report.

PART III – MODE DEFINITIONS

Parcel delivery/Courier/U.S. Postal Service – Delivery services that carry letters, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.

Private truck – Trucks operated by a temporary or permanent employee of this establishment or the buyer/receiver of the shipment.

For-hire truck – Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.

Railroad – Any common carrier or private railroad.

Shallow draft vessel – Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.

Deep draft vessel – Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.

Air – Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.

Other mode – Any mode not listed above.

Unknown – The shipment was not carried by a parcel delivery/courier/U.S. Postal service, and you cannot determine what mode of transportation is used.

Note: Commodities that are "shipped" under their own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Commodities shipped under their own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other" mode.**

PART IV -- STATE ABBREVIATION LIST

State	Abbrev.	State	Abbrev.
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

NOTICE - We estimate that it will take an average of 2 hours to complete this form. This includes time to read instructions, assemble and review information, and record answers on the form. If you have any comments regarding this estimate or any other aspect of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0189, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-0001. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

West South Central Division

1997

Issued April 2000

EC97TCF-DIV(7)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

This report was prepared in the Service Sector Statistics Division under the direction of **Thomas E. Zabelsky**, Assistant Chief for Current Service and Transportation Programs. Planning, implementation, and compiling of this report were under the supervision of **John L. Fowler**, Chief, Commodity Flow Survey Branch, assisted by **Wanda Dougherty, Debra Corbett, Bruce Dembroski, Shirley Gray, Michael Jones, Stephanie Kelley, Mabel Ocasio, Bonnie Opalko, Joyce Price, Barbara Selinske, Eli Serrano,** and **Michael Sprung**. Sample design and statistical methodology were developed under the general direction of **Howard Hogan** and **Carl A. Konschnik**, former Assistant Chiefs, and **Ruth E. Detlefsen**, current Assistant Chief, Research and Methodology. Sample design and estimation were under the supervision of **Patrick Cantwell**, former Chief, and **Jock Black**, current Chief, Program Research and Development Branch, assisted by **William C. Davie Jr., David L. Kinyon, Jacklyn R. Jonas,** and **M. Cristina Cruz**. Frame construction, sample control, imputation, and quality control procedures were developed under the supervision of **Carol King**, Chief, Statistical Methods Branch, assisted by **James Hunt**.

The processing system and computer programs were developed and implemented by the OAO programming group, led by **Jacques Wilmore** and assisted by **Harold N. Bobbitt** and **Robert J. Jeffrey**. **Steve G. McCraith**, Chief, Quinquennial Surveys Branch, Economic Statistical Methods and Programming Division and **Joseph F. Keehan** provided general support.

Coordination of data collection efforts was under the direction of **Judith N. Petty**, Chief, National Processing Center, assisted by **Matthew Aulbach, Linda Broadus, Grant Goodwin, Carlene Bottorff, Teresa Branstetter,** and **Jack Miller**.

The staff of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, performed planning, design, composition, editorial review, and printing planning and procurement for the publications, Internet products, and report forms. **Margaret A. Smith** provided publication coordination and editing.

We also acknowledge the contributions of the following Department of Transportation (DOT) representatives in the overall planning and design of the survey: **Rolf Schmitt**, Associate Director for Transportation Studies, Bureau of Transportation Statistics, assisted by **Susan Lapham, Russ Capelle, Ronald J. Duych,** and **Felix Ammah-Tagoe**.

The Oak Ridge National Laboratory's Center for Transportation Analysis, under the former and current direction of **Mike Bronzini** and **David Greene**, respectively, provided all mileage data for this report, using its transportation network modeling system, under the supervision of **Frank Southworth** and assisted by **Shih-Miao Chin, Bruce Peterson, Jane Rollow,** and **Angela Gibson**.

Special acknowledgment is also due to the many businesses whose cooperation was essential to the publication of these data.

1997 Economic Census
Transportation
1997 Commodity Flow Survey



**U.S. Department of
Transportation**
Rodney E. Slater,
Secretary
Mortimer L. Downey,
Deputy Secretary

**BUREAU OF TRANSPORTATION
STATISTICS**
Dr. Ashish Sen,
Director
Rick Kowalewski,
Deputy Director
Rolf R. Schmitt,
Associate Director for
Transportation Studies



U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

**Economics
and Statistics
Administration**
Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



**BUREAU OF TRANSPORTATION
STATISTICS**

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

CONTENTS

Introduction to the Economic Census	1
1997 Commodity Flow Survey	3

TABLES

1a. Shipment Characteristics by Mode of Transportation for the Division: 1997	9
1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993	9
1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993	10
2. Shipment Characteristics by Total Modal Activity for the Division: 1997	10
3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997	11
4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997	14
5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997	17
6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997	18
7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997	21
8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997	36
9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997	42
10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997 ...	48

APPENDIXES

A. Comparability With the 1993 Commodity Flow Survey	A-1
B. Reliability of the Estimates	B-1
C. Sample Design, Data Collection, and Estimation	C-1
D. Standard Classification of Transported Goods Code Information	D-1
E. Sample Report Forms and Instructions	E-1

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are

published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

1997 Commodity Flow Survey

GENERAL

The 1997 Commodity Flow Survey (CFS) is undertaken through a partnership between the Bureau of the Census, U.S. Department of Commerce, and the Bureau of Transportation Statistics, U.S. Department of Transportation. This survey produces data on the movement of goods in the United States. It provides information on commodities shipped, their value, weight, and mode of transportation, as well as the origin and destination of shipments of manufacturing, mining, wholesale, and selected retail establishments. The CFS was last conducted in 1993. See the Comparability With the 1993 Commodity Flow Survey table (Appendix A) for a comparison between the 1997 and 1993 surveys. The data from the CFS are used by public policy analysts and for transportation planning and decision-making to assess the demand for transportation facilities and services, energy use, and safety risk and environmental concerns.

This report presents data for the four Census Regions and nine Census Divisions. Additional reports include data for the United States, states, and selected metropolitan areas, as well as selected data on exports and hazardous material shipments.

INDUSTRY COVERAGE

The 1997 CFS covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey coverage excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail.

The industries covered, as defined in the 1987 Standard Industrial Classification Manual (SIC), are listed in the following table:

SIC code	Title
10, ex. 108	Metal mining (excluding metal mining services)
12, ex. 124	Coal mining (excluding coal mining services)
13	Oil and gas extraction ¹
14, ex. 148	Mining and quarrying of nonmetallic minerals, except fuels (excluding nonmetallic minerals services)
20	Food and kindred products
21	Tobacco products
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27, ex. 279	Printing, publishing, and allied industries (excluding service industries for the printing trade)
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastics products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, except machinery and transportation equipment
35	Industrial and commercial machinery and computer equipment
36	Electronic and other electrical equipment and components, except computer equipment
37	Transportation equipment
38	Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39	Miscellaneous manufacturing industries
50	Wholesale trade—durable goods
51	Wholesale trade—nondurable goods
596	Catalog and mail-order houses

¹We included establishments classified in SIC 13, Oil and Gas Extraction, in the initial coverage of the 1997 CFS. However, because of unresolved industry-wide reporting issues, we have removed shipments from these establishments from our 1997 CFS tabulations. The data collected from these establishments will be used as input to a special report at a later date.

Similarly, because establishments in SIC 13 are responsible for the overwhelming number of shipments classified in SCTG 16, Crude Petroleum, we have removed all shipments with SCTG 16 from the 1997 CFS publication results.

SHIPMENT COVERAGE

The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. The data do not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Shipments traversing the U.S. from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to a U.S. location. Imported products are included in the CFS at the point that they left the importer's domestic location for shipment to another location. Shipments that are shipped through a foreign territory with both the origin and destination in the U.S. are included in the CFS data. The mileages calculated for these shipments exclude the international segments (e.g., shipments from New York to Michigan through Canada do not include any mileages for Canada). Export shipments are included, with the domestic destination defined as the port of exit from the U.S.

The "Industry Coverage" section of the text lists the SIC groups covered by the CFS. Other industry areas that are not covered, but may have significant shipping activity, include agriculture, government, and retail (other than warehouses and SIC 5961, Catalog and Mail-Order Houses). For agriculture specifically, this means that the CFS did not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward.

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported

multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

The ORNL multimodal network database is composed of individual modal-specific networks representing each of the major transportation modes—highway, rail, waterway, air, and pipeline. The links of these specific modal networks are the representation of line-haul transportation facilities. The nodes represent intersections and interchanges, and the access points to the transportation network. To simulate local access, test links are created from each five-digit ZIP Code centroid to nearby nodes on the network. For the truck network, local access is assumed to exist everywhere. For the other modes this is not true. Before any test links are created for these modes, a search procedure is used to determine if and where such networks are most likely to provide access to the ZIP Code. For shipments involving more than one mode, such as truck-rail or rail-water shipments, intermodal transfer links are added to the network database for the purpose of connecting the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at ORNL to identify likely transfer points for different classes of freight. A measure of link impedance was calculated for each access, line-haul, and intermodal transfer link traversed by a shipment. These impedances were mode specific and are based on various link characteristics. For example, the set of link characteristics for the highway network included speed impacting factors, such as the presence of divided or undivided roadway, the degree of access control, rural or urban setting, type of pavement, number of lanes, degree of urban congestion, and length of the link. Link impedance measures are also assigned to the local access links. Intermodal transfer link impedances are estimated in terms of the time it takes to move goods through such a transfer. In the case of rail and air freight, intercarrier transfer penalties are also considered in order to obtain proper route selections. A minimum path algorithm is used to find the minimum impedance path between a shipment's origin ZIP Code centroid and destination ZIP Code centroid. The cumulative length of the local access plus line-haul links on this path provides the estimated shipment distance. When rail was involved these shipment distances may be averaged over more than one path between an origin-destination pair.

Mileage Data for Pipeline Shipments

In the tables, we do not show ton-miles or average miles per shipment for pipeline shipments. For most of these shipments, the respondents reported the shipment

destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network, and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment.

DISCLOSURE RULES

In accordance with Federal law governing Census Bureau reports, no data are published that would disclose the operations of an individual firm or establishment.

EXPLANATION OF TERMS

Average miles per shipment. For the 1993 CFS, we excluded shipments of STCC 27, Printed Matter, from our calculation of average miles per shipment. We made this decision after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term “shipment.”

For the 1997 CFS, we made numerous efforts throughout our data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, we have included printed products in the average miles per shipment calculations for the 1997 CFS.

Commodity. Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment’s operation. Respondents reported the description and the five-digit SCTG code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.

Distance shipped. In some tables, shipment data are presented for various “distance shipped” intervals. Shipments were categorized into these “distance shipped” intervals based on the great circle distance between their origin and destination ZIP Code centroids. All other distance-related data in this and other tables (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories. (See the “Mileage Calculations” section for more details.)

Great circle distance. The shortest distance between two points on the earth’s surface.

Mode of transportation. The type of transportation used for moving the shipment to its domestic destination. For exports, the domestic destination was the port of exit.

Mode Definitions

In the instructions to the respondent, we defined the possible modes as follows:

1. **Parcel delivery/courier/U.S. Postal Service.** Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
2. **Private truck.** Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
3. **For-hire truck.** Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
4. **Railroad.** Any common carrier or private railroad.
5. **Shallow draft vessels.** Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
6. **Deep draft vessel.** Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.
7. **Pipeline.** Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper’s establishment. Aqueducts for the movement of water are not included.
8. **Air.** Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.
9. **Other mode.** Any mode not listed above.
10. **Unknown.** The shipment was not carried by a parcel delivery/courier/U.S. Postal Service, and the respondent could not determine what mode of transportation was used.

In the tables, we have used additional terms for mode, which we define as follows:

1. **Air (includes truck and air).** Shipments that used air or a combination of truck and air.
2. **Single modes.** Shipments using only one of the above-listed modes, except parcel or other and unknown.
3. **Multiple modes.** Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used:
 - Private truck
 - For-hire truck
 - Rail
 - Shallow draft vessel
 - Deep draft vessel
 - Pipeline

We did not allow for multiple modes in combination with “parcel, U.S. Postal Service or courier,” “unknown,” or “other.” By their nature, these shipments may already include various kinds of multiple-mode activity. For example, if the respondent reported a shipment’s mode of transportation as parcel and air, we treated the shipment as parcel only.

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.
5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as “Other” or “Unknown.”
6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.
7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as “Other multiple modes.”
8. **Great Lakes.** In the tables in this publication, “Great Lakes” appears as a single mode. ORNL’s transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the “Mileage Calculations” section for more details).

Other Definitions and Terms

Shipment. A shipment (or delivery) is an individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.

Standard Classification of Transported Goods

(SCTG). The commodities shown in this report are classified using the SCTG coding system. The SCTG coding system was developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States

exclude any mileages through Canada (see the “Mileage Calculations” section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

Tons shipped. The total weight of the entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.

Total modal activity. The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)

Value of shipments. The dollar value of the entire shipment. This was defined as the net selling value, f.o.b. plant, exclusive of freight charges and excise taxes. The value data are displayed in millions of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables for this publication:

D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey.
lb	Pounds.
n.e.c.	Not elsewhere classified.
NA	Not applicable.
n.o.s.	Not otherwise specified.

OTHER TRANSPORTATION DATA

Users of transportation data may be especially interested in the following reports:

Economic Census: Transportation Sector covers establishments that provide passenger and freight transportation to the general public, government, or other businesses.

Published data include kind of business, geographic location, total operating revenue, annual and first quarter payroll, and number of employees for pay period including March 12.

Vehicle Inventory and Use Survey covers state and U.S. level statistics on the physical and operational characteristics of the Nation's truck, van, minivan, and sport utility vehicle population. Some of the types of data collected include number of vehicles, major use, body type, annual miles, model year, vehicle size, fuel type, operator classification, engine size, range of operation, weeks operated, products carried, and hazardous materials carried. This survey shows comparative statistics reflecting percent changes in number of vehicles between 1997 and 1992 for most characteristics.

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected

include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

All results of the 1997 Economic Census are available on the Census Bureau Internet site <http://www.census.gov> and on compact discs (CD-ROM).

For more information on any Census Bureau product, including a description of electronic and printed reports being issued, see the website or call Customer Services at 301-457-4100.

Table 1a. Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	815 886	100.0	1 705 530	100.0	418 597	100.0	365
Single modes	713 303	87.4	1 596 851	93.6	391 535	93.5	168
Truck ¹	521 655	63.9	844 027	49.5	135 765	32.4	134
For-hire truck	280 117	34.3	357 553	21.0	97 589	23.3	468
Private truck	238 155	29.2	476 833	28.0	36 814	8.8	59
Rail	72 044	8.8	166 213	9.7	106 891	25.5	863
Water	37 452	4.6	226 900	13.3	100 912	24.1	391
Shallow draft	29 926	3.7	169 426	9.9	60 635	14.5	384
Great Lakes	—	—	—	—	—	—	—
Deep draft	7 526	.9	57 474	3.4	40 277	9.6	420
Air (includes truck and air)	21 088	2.6	286	—	360	—	1 310
Pipeline ²	61 064	7.5	359 426	21.1	S	S	S
Multiple modes	73 329	9.0	16 498	1.0	20 334	4.9	783
Parcel, U.S. Postal Service or courier	68 270	8.4	1 639	.1	1 135	.3	782
Truck and rail	3 557	.4	5 140	.3	4 244	1.0	1 012
Truck and water	678	—	5 055	.3	S	S	4 716
Rail and water	S	S	S	S	S	S	1 269
Other multiple modes	S	S	4 643	.3	2 476	.6	S
Other and unknown modes	29 254	3.6	92 182	5.4	6 728	1.6	85

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	815 886	663 698	22.9	1 705 530	1 461 685	16.7	418 597	374 562	11.8	365	299	22.2
Single modes	713 303	588 999	21.1	1 596 851	1 322 959	20.7	391 535	317 527	23.3	168	168	—
Truck ¹	521 655	455 836	14.4	844 027	744 264	13.4	135 765	102 856	32.0	134	131	2.7
For-hire truck	280 117	240 482	16.5	357 553	345 332	3.5	97 589	71 624	36.3	468	444	5.2
Private truck	238 155	206 425	15.4	476 833	397 362	20.0	36 814	30 914	19.1	59	53	11.3
Rail	72 044	49 708	44.9	166 213	185 804	−10.5	106 891	108 193	−1.2	863	833	3.5
Water	37 452	24 161	55.0	226 900	142 789	58.9	100 912	81 288	24.1	391	S	S
Shallow draft	29 926	17 697	69.1	169 426	105 165	61.1	60 635	36 805	64.7	384	S	S
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	7 526	6 463	16.4	57 474	37 624	52.8	40 277	44 484	−9.5	420	1 181	−64.4
Air (includes truck and air)	21 088	11 082	90.3	286	S	S	360	244	47.9	1 310	1 212	8.1
Pipeline ²	61 064	48 212	26.7	359 426	249 798	43.9	S	S	S	S	S	S
Multiple modes	73 329	50 597	44.9	16 498	37 628	−56.2	20 334	43 207	−52.9	783	624	25.5
Parcel, U.S. Postal Service or courier	68 270	39 489	72.9	1 639	1 263	29.8	1 135	728	55.9	782	619	26.4
Truck and rail	3 557	5 421	−34.4	5 140	4 076	26.1	4 244	2 802	51.5	1 012	1 003	.9
Truck and water	678	2 779	−75.6	5 055	11 781	−57.1	S	5 232	S	4 716	1 385	240.4
Rail and water	S	S	S	S	S	S	S	S	S	1 269	857	48.0
Other multiple modes	S	S	S	4 643	S	S	2 476	S	S	S	1 681	S
Other and unknown modes	29 254	24 103	21.4	92 182	101 098	−8.8	6 728	13 828	−51.3	85	172	−50.8

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	87.4	88.7	93.6	90.5	93.5	84.8
Truck ¹	63.9	68.7	49.5	50.9	32.4	27.5
For-hire truck	34.3	36.2	21.0	23.6	23.3	19.1
Private truck	29.2	31.1	28.0	27.2	8.8	8.3
Rail	8.8	7.5	9.7	12.7	25.5	28.9
Water	4.6	3.6	13.3	9.8	24.1	21.7
Shallow draft	3.7	2.7	9.9	7.2	14.5	9.8
Great Lakes	—	—	—	—	—	—
Deep draft	.9	1.0	3.4	2.6	9.6	11.9
Air (includes truck and air)	2.6	1.7	—	S	—	—
Pipeline ²	7.5	7.3	21.1	17.1	S	S
Multiple modes	9.0	7.6	1.0	2.6	4.9	11.5
Parcel, U.S. Postal Service or courier	8.4	5.9	.1	—	.3	.2
Truck and rail	.4	.8	.3	.3	1.0	.7
Truck and water	—	.4	.3	.8	S	1.4
Rail and water	S	S	S	S	S	S
Other multiple modes	S	S	.3	S	.6	S
Other and unknown modes	3.6	3.6	5.4	6.9	1.6	3.7

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 2. Shipment Characteristics by Total Modal Activity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	418 596	100.0	360
Truck	136 206	32.5	133
Rail	110 929	26.5	870
Shallow draft	64 144	15.3	397
Great Lakes	S	S	654
Deep draft	50 310	12.0	2 289
Air	336	—	1 226
Parcel, U.S. Postal Service or courier	1 135	.3	782
Pipeline	S	S	S
Other and unknown modes	7 579	1.8	85

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹Data represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving by truck only plus ton-miles for truck segments only of multiple mode shipments.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	815 886	100.0	1 705 530	100.0	418 597	100.0
Less than 50 miles	269 880	33.1	986 461	57.8	19 356	4.6
50 to 99 miles	51 112	6.3	142 252	8.3	12 866	3.1
100 to 249 miles	131 804	16.2	205 713	12.1	43 153	10.3
250 to 499 miles	100 777	12.4	127 678	7.5	53 627	12.8
500 to 749 miles	61 867	7.6	88 748	5.2	73 719	17.6
750 to 999 miles	71 665	8.8	80 803	4.7	87 655	20.9
1,000 to 1,499 miles	106 226	13.0	64 499	3.8	107 455	25.7
1,500 to 1,999 miles	20 886	2.6	8 832	.5	19 143	4.6
2,000 miles or more	1 669	.2	544	—	1 622	.4
Single modes	713 303	100.0	1 596 851	100.0	391 535	100.0
Less than 50 miles	240 940	33.8	902 749	56.5	17 374	4.4
50 to 99 miles	47 506	6.7	139 462	8.7	12 611	3.2
100 to 249 miles	119 442	16.7	197 101	12.3	41 215	10.5
250 to 499 miles	91 197	12.8	124 806	7.8	52 212	13.3
500 to 749 miles	52 468	7.4	85 456	5.4	71 441	18.2
750 to 999 miles	61 240	8.6	78 852	4.9	85 077	21.7
1,000 to 1,499 miles	82 765	11.6	59 764	3.7	92 637	23.7
1,500 to 1,999 miles	16 755	2.3	8 184	.5	17 711	4.5
2,000 miles or more	992	.1	477	—	1 257	.3
Truck¹	521 655	100.0	844 027	100.0	135 765	100.0
Less than 50 miles	174 831	33.5	515 157	61.0	11 259	8.3
50 to 99 miles	40 326	7.7	107 540	12.7	9 397	6.9
100 to 249 miles	98 124	18.8	101 147	12.0	19 645	14.5
250 to 499 miles	67 037	12.9	53 763	6.4	21 887	16.1
500 to 749 miles	35 825	6.9	25 026	3.0	18 829	13.9
750 to 999 miles	39 512	7.6	17 791	2.1	18 349	13.5
1,000 to 1,499 miles	53 559	10.3	19 828	2.3	28 875	21.3
1,500 to 1,999 miles	12 142	2.3	3 681	.4	7 310	5.4
2,000 miles or more	301	—	95	—	214	.2
For-hire truck	280 117	100.0	357 553	100.0	97 589	100.0
Less than 50 miles	52 829	18.9	160 248	44.8	4 072	4.2
50 to 99 miles	13 941	5.0	51 383	14.4	4 453	4.6
100 to 249 miles	45 552	16.3	50 899	14.2	10 313	10.6
250 to 499 miles	43 643	15.6	39 286	11.0	16 137	16.5
500 to 749 miles	28 698	10.2	19 015	5.3	14 276	14.6
750 to 999 miles	35 912	12.8	16 033	4.5	16 538	16.9
1,000 to 1,499 miles	48 215	17.2	17 350	4.9	25 132	25.8
1,500 to 1,999 miles	11 096	4.0	3 253	.9	6 475	6.6
2,000 miles or more	231	—	87	—	193	.2
Private truck	238 155	100.0	476 833	100.0	36 814	100.0
Less than 50 miles	120 863	50.7	348 277	73.0	6 860	18.6
50 to 99 miles	26 189	11.0	55 436	11.6	4 871	13.2
100 to 249 miles	51 687	21.7	48 728	10.2	9 010	24.5
250 to 499 miles	23 069	9.7	14 188	3.0	5 634	15.3
500 to 749 miles	6 952	2.9	5 890	1.2	4 458	12.1
750 to 999 miles	3 280	1.4	1 540	.3	1 589	4.3
1,000 to 1,499 miles	5 151	2.2	2 357	.5	3 575	9.7
1,500 to 1,999 miles	929	.4	409	—	797	2.2
2,000 miles or more	S	S	S	S	S	S
Rail	72 044	100.0	166 213	100.0	106 891	100.0
Less than 50 miles	8 382	11.6	42 545	25.6	697	.7
50 to 99 miles	1 321	1.8	6 714	4.0	805	.8
100 to 249 miles	5 888	8.2	26 538	16.0	6 911	6.5
250 to 499 miles	12 116	16.8	23 771	14.3	11 499	10.8
500 to 749 miles	9 134	12.7	19 867	12.0	17 028	15.9
750 to 999 miles	12 962	18.0	19 223	11.6	22 210	20.8
1,000 to 1,499 miles	18 658	25.9	23 356	14.1	38 052	35.6
1,500 to 1,999 miles	2 974	4.1	3 823	2.3	8 674	8.1
2,000 miles or more	609	.8	376	.2	1 016	1.0
Water	37 452	100.0	226 900	100.0	100 912	100.0
Less than 50 miles	13 952	37.3	84 748	37.4	2 035	2.0
50 to 99 miles	2 946	7.9	16 619	7.3	1 827	1.8
100 to 249 miles	7 247	19.4	36 986	16.3	9 211	9.1
250 to 499 miles	5 076	13.6	22 839	10.1	11 299	11.2
500 to 749 miles	3 229	8.6	30 989	13.7	29 558	29.3
750 to 999 miles	3 591	9.6	27 912	12.3	32 617	32.3
1,000 to 1,499 miles	1 318	3.5	6 136	2.7	12 656	12.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	—	—
Shallow draft	29 926	100.0	169 426	100.0	60 635	100.0
Less than 50 miles	10 727	35.8	66 884	39.5	1 682	2.8
50 to 99 miles	2 619	8.8	14 868	8.8	1 652	2.7
100 to 249 miles	6 979	23.3	34 235	20.2	8 282	13.7
250 to 499 miles	5 034	16.8	22 328	13.2	11 026	18.2
500 to 749 miles	2 342	7.8	19 740	11.7	20 695	34.1
750 to 999 miles	2 006	6.7	9 864	5.8	14 434	23.8
1,000 to 1,499 miles	219	.7	1 506	.9	2 864	4.7
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	7 526	100.0	57 474	100.0	40 277	100.0
Less than 50 miles	3 225	42.9	17 864	31.1	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	511	.9	273	.7
500 to 749 miles	S	S	11 248	19.6	8 862	22.0
750 to 999 miles	1 585	21.1	18 048	31.4	18 184	45.1
1,000 to 1,499 miles	1 098	14.6	4 630	8.1	9 792	24.3
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	—	—
Air (includes truck and air)	21 088	100.0	286	100.0	360	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	S	S	4	1.5	1	.4
100 to 249 miles	1 279	6.1	S	S	S	S
250 to 499 miles	2 249	10.7	24	8.4	19	5.3
500 to 749 miles	2 785	13.2	S	S	108	30.0
750 to 999 miles	4 501	21.3	49	17.1	61	16.8
1,000 to 1,499 miles	8 330	39.5	67	23.5	110	30.7
1,500 to 1,999 miles	1 545	7.3	8	2.9	18	5.0
2,000 miles or more	83	.4	S	S	S	S
Pipeline²	61 064	100.0	359 426	100.0	S	S
Less than 50 miles	43 775	71.7	260 300	72.4	S	S
50 to 99 miles	2 595	4.2	8 585	2.4	S	S
100 to 249 miles	6 904	11.3	32 403	9.0	S	S
250 to 499 miles	4 720	7.7	24 409	6.8	S	S
500 to 749 miles	1 495	2.4	9 476	2.6	S	S
750 to 999 miles	673	1.1	13 876	3.9	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	73 329	100.0	16 498	100.0	20 334	100.0
Less than 50 miles	9 352	12.8	3 445	20.9	179	.9
50 to 99 miles	2 494	3.4	175	1.1	17	—
100 to 249 miles	9 289	12.7	3 482	21.1	949	4.7
250 to 499 miles	7 916	10.8	1 275	7.7	875	4.3
500 to 749 miles	8 219	11.2	S	S	S	S
750 to 999 miles	9 897	13.5	1 529	9.3	2 160	10.6
1,000 to 1,499 miles	21 759	29.7	3 770	22.9	S	S
1,500 to 1,999 miles	3 824	5.2	437	2.7	1 014	5.0
2,000 miles or more	S	S	23	.1	109	.5
Parcel, U.S. Postal Service or courier	68 270	100.0	1 639	100.0	1 135	100.0
Less than 50 miles	8 593	12.6	257	15.7	6	.5
50 to 99 miles	2 388	3.5	86	5.2	8	.7
100 to 249 miles	9 082	13.3	278	17.0	59	5.2
250 to 499 miles	7 493	11.0	238	14.5	103	9.1
500 to 749 miles	7 508	11.0	192	11.7	143	12.6
750 to 999 miles	9 394	13.8	214	13.1	222	19.6
1,000 to 1,499 miles	19 817	29.0	291	17.7	420	37.0
1,500 to 1,999 miles	3 441	5.0	80	4.9	162	14.2
2,000 miles or more	S	S	4	.2	12	1.0
Truck and rail	3 557	100.0	5 140	100.0	4 244	100.0
Less than 50 miles	345	9.7	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	142	4.0	1 569	30.5	433	10.2
250 to 499 miles	320	9.0	445	8.7	232	5.5
500 to 749 miles	394	11.1	427	8.3	373	8.8
750 to 999 miles	388	10.9	262	5.1	322	7.6
1,000 to 1,499 miles	1 532	43.1	1 204	23.4	2 064	48.6
1,500 to 1,999 miles	371	10.4	333	6.5	772	18.2
2,000 miles or more	S	S	S	S	S	S
Truck and water	678	100.0	5 055	100.0	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	15	2.1	7	.1	54	.4

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	S	S	S	S	S	S
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	S	S	4 643	100.0	2 476	100.0
Less than 50 miles	413	50.8	2 335	50.3	151	6.1
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	6	.1	1	—
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	29 254	100.0	92 182	100.0	6 728	100.0
Less than 50 miles	19 589	67.0	80 267	87.1	1 803	26.8
50 to 99 miles	1 113	3.8	2 615	2.8	238	3.5
100 to 249 miles	3 074	10.5	5 130	5.6	989	14.7
250 to 499 miles	1 665	5.7	1 597	1.7	540	8.0
500 to 749 miles	1 181	4.0	932	1.0	693	10.3
750 to 999 miles	528	1.8	422	.5	418	6.2
1,000 to 1,499 miles	1 702	5.8	964	1.0	1 374	20.4
1,500 to 1,999 miles	307	1.0	211	.2	418	6.2
2,000 miles or more	S	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	815 886	100.0	1 705 530	100.0	418 597	100.0	365
Less than 50 lb	79 085	9.7	1 777	.1	661	.2	466
50 to 99 lb	21 480	2.6	1 378	—	332	—	236
100 to 499 lb	68 219	8.4	8 590	.5	1 710	.4	201
500 to 749 lb	18 863	2.3	4 049	.2	665	.2	164
750 to 999 lb	13 931	1.7	3 506	.2	685	.2	197
1,000 to 9,999 lb	142 065	17.4	56 574	3.3	11 892	2.8	203
10,000 to 49,999 lb	254 852	31.2	487 166	28.6	102 109	24.4	210
50,000 to 99,999 lb	36 468	4.5	248 428	14.6	22 080	5.3	87
100,000 lb or more	180 923	22.2	894 065	52.4	278 462	66.5	611
Single modes	713 303	100.0	1 596 851	100.0	391 535	100.0	168
Less than 50 lb	31 131	4.4	901	—	119	—	156
50 to 99 lb	13 271	1.9	1 013	—	143	—	135
100 to 499 lb	53 787	7.5	7 758	.5	1 355	.3	170
500 to 749 lb	16 485	2.3	3 734	.2	606	.2	161
750 to 999 lb	12 685	1.8	3 235	.2	628	.2	195
1,000 to 9,999 lb	135 999	19.1	54 009	3.4	11 469	2.9	206
10,000 to 49,999 lb	246 274	34.5	474 097	29.7	96 971	24.8	205
50,000 to 99,999 lb	35 175	4.9	242 828	15.2	21 048	5.4	85
100,000 lb or more	168 496	23.6	809 275	50.7	259 196	66.2	615
Truck¹	521 655	100.0	844 027	100.0	135 765	100.0	134
Less than 50 lb	19 967	3.8	878	.1	90	—	92
50 to 99 lb	10 708	2.1	999	.1	123	—	117
100 to 499 lb	50 609	9.7	7 719	.9	1 303	1.0	164
500 to 749 lb	15 555	3.0	3 719	.4	585	.4	157
750 to 999 lb	12 444	2.4	3 225	.4	614	.5	191
1,000 to 9,999 lb	129 312	24.8	53 582	6.3	10 905	8.0	197
10,000 to 49,999 lb	241 201	46.2	470 555	55.8	93 400	68.8	198
50,000 to 99,999 lb	31 175	6.0	238 887	28.3	18 753	13.8	78
100,000 lb or more	10 684	2.0	64 464	7.6	9 992	7.4	238
For-hire truck	280 117	100.0	357 553	100.0	97 589	100.0	468
Less than 50 lb	5 815	2.1	112	—	49	—	429
50 to 99 lb	4 076	1.5	137	—	72	—	513
100 to 499 lb	27 102	9.7	1 450	.4	914	.9	634
500 to 749 lb	7 285	2.6	662	.2	374	.4	564
750 to 999 lb	6 459	2.3	562	.2	370	.4	662
1,000 to 9,999 lb	65 219	23.3	12 983	3.6	6 915	7.1	563
10,000 to 49,999 lb	142 361	50.8	211 118	59.0	69 724	71.4	351
50,000 to 99,999 lb	14 020	5.0	109 052	30.5	11 124	11.4	101
100,000 lb or more	7 780	2.8	21 479	6.0	8 047	8.2	439
Private truck	238 155	100.0	476 833	100.0	36 814	100.0	59
Less than 50 lb	14 094	5.9	765	.2	40	.1	46
50 to 99 lb	6 609	2.8	860	.2	50	.1	56
100 to 499 lb	23 348	9.8	6 238	1.3	385	1.0	59
500 to 749 lb	8 083	3.4	3 022	.6	203	.6	66
750 to 999 lb	5 938	2.5	2 635	.6	241	.7	91
1,000 to 9,999 lb	63 260	26.6	40 014	8.4	3 858	10.5	91
10,000 to 49,999 lb	97 286	40.8	255 458	53.6	23 045	62.6	91
50,000 to 99,999 lb	16 779	7.0	126 423	26.5	7 334	19.9	59
100,000 lb or more	2 758	1.2	41 418	8.7	1 657	4.5	88
Rail	72 044	100.0	166 213	100.0	106 891	100.0	863
Less than 50 lb	S	S	S	S	S	S	543
50 to 99 lb	S	S	S	S	S	S	280
100 to 499 lb	53	—	S	S	S	S	1 364
500 to 749 lb	S	S	S	S	S	S	1 502
750 to 999 lb	13	—	S	S	S	S	1 122
1,000 to 9,999 lb	S	S	S	S	S	S	1 391
10,000 to 49,999 lb	S	S	2 851	1.7	3 373	3.2	1 222
50,000 to 99,999 lb	3 796	5.3	3 595	2.2	2 185	2.0	616
100,000 lb or more	60 183	83.5	159 449	95.9	100 874	94.4	765
Water	37 452	100.0	226 900	100.0	100 912	100.0	391
Less than 50 lb	S	S	S	S	S	S	93
50 to 99 lb	S	S	S	S	S	S	10
100 to 499 lb	S	S	S	S	S	S	15
500 to 749 lb	S	S	S	S	S	S	17
750 to 999 lb	S	S	S	S	S	S	14
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	149	—	50	—	180
50,000 to 99,999 lb	S	S	S	S	S	S	694
100,000 lb or more	37 112	99.1	226 635	99.9	100 787	99.9	482
Shallow draft	29 926	100.0	169 426	100.0	60 635	100.0	384
Less than 50 lb	S	S	S	S	S	S	100
50 to 99 lb	S	S	S	S	S	S	10
100 to 499 lb	S	S	S	S	S	S	19
500 to 749 lb	S	S	S	S	S	S	33
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	160
10,000 to 49,999 lb	S	S	112	—	S	S	157
50,000 to 99,999 lb	S	S	S	S	S	S	790
100,000 lb or more	29 631	99.0	169 217	99.9	60 525	99.8	440

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	7 526	100.0	57 474	100.0	40 277	100.0	420
Less than 50 lb	S	S	S	S	S	S	14
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	15
500 to 749 lb	S	S	S	S	S	S	14
750 to 999 lb	S	S	S	S	S	S	14
1,000 to 9,999 lb	S	S	S	S	S	S	12
10,000 to 49,999 lb	25	3	38	—	S	S	291
50,000 to 99,999 lb	S	S	S	S	S	S	22
100,000 lb or more	7 481	99.4	57 418	99.9	40 262	100.0	750
Air (includes truck and air)	21 088	100.0	286	100.0	360	100.0	1 310
Less than 50 lb	11 144	52.8	23	7.9	29	8.0	1 302
50 to 99 lb	2 558	12.1	14	5.0	21	5.7	1 425
100 to 499 lb	3 108	14.7	36	12.6	48	13.3	1 337
500 to 749 lb	715	3.4	13	4.4	17	4.8	1 360
750 to 999 lb	227	1.1	7	2.5	11	2.9	1 493
1,000 to 9,999 lb	3 159	15.0	92	32.2	114	31.8	1 299
10,000 to 49,999 lb	S	S	S	S	S	S	1 059
50,000 to 99,999 lb	S	S	S	S	S	S	1 796
100,000 lb or more	—	—	—	—	—	—	—
Pipeline²	61 064	100.0	359 426	100.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	254	4	S	S	S	S	S
50,000 to 99,999 lb	S	S	235	—	S	S	S
100,000 lb or more	60 517	99.1	358 726	99.8	S	S	S
Multiple modes	73 329	100.0	16 498	100.0	20 334	100.0	783
Less than 50 lb	45 408	61.9	723	4.4	530	2.6	791
50 to 99 lb	7 439	10.1	277	1.7	184	.9	666
100 to 499 lb	12 753	17.4	485	2.9	333	1.6	698
500 to 749 lb	1 877	2.6	81	.5	49	.2	604
750 to 999 lb	784	1.1	70	.4	44	.2	628
1,000 to 9,999 lb	159	.2	53	.3	36	.2	492
10,000 to 49,999 lb	2 236	3.0	1 841	11.2	2 657	13.1	1 415
50,000 to 99,999 lb	453	.6	1 376	8.3	479	2.4	345
100,000 lb or more	2 220	3.0	11 592	70.3	S	S	931
Parcel, U.S. Postal Service or courier	68 270	100.0	1 639	100.0	1 135	100.0	782
Less than 50 lb	45 407	66.5	722	44.1	529	46.6	791
50 to 99 lb	7 439	10.9	277	16.9	184	16.2	666
100 to 499 lb	12 743	18.7	483	29.5	330	29.0	689
500 to 749 lb	1 872	2.7	80	4.9	48	4.2	603
750 to 999 lb	783	1.1	69	4.2	44	3.8	636
1,000 to 9,999 lb	26	—	S	S	1	.1	S
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	3 557	100.0	5 140	100.0	4 244	100.0	1 012
Less than 50 lb	S	S	S	S	S	S	1 093
50 to 99 lb	S	S	S	S	S	S	988
100 to 499 lb	S	S	S	S	—	—	218
500 to 749 lb	S	S	S	S	S	S	574
750 to 999 lb	S	S	S	S	S	S	85
1,000 to 9,999 lb	121	3.4	24	.5	28	.7	955
10,000 to 49,999 lb	2 158	60.7	1 730	33.6	2 578	60.7	1 474
50,000 to 99,999 lb	369	10.4	1 220	23.7	444	10.5	359
100,000 lb or more	894	25.1	2 163	42.1	1 192	28.1	848
Truck and water	678	100.0	5 055	100.0	S	S	4 716
Less than 50 lb	S	S	S	S	S	S	3 501
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	7 514
500 to 749 lb	S	S	S	S	S	S	7 573
750 to 999 lb	S	S	S	S	S	S	104
1,000 to 9,999 lb	8	1.1	S	S	6	—	2 976
10,000 to 49,999 lb	S	S	S	S	67	.5	2 305
50,000 to 99,999 lb	S	S	24	.5	S	S	1 219
100,000 lb or more	S	S	4 999	98.9	S	S	1 186

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	S	S	S	S	S	S	1 269
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	1 269
Other multiple modes	S	S	4 643	100.0	2 476	100.0	S
Less than 50 lb	S	S	S	S	S	S	3
50 to 99 lb	S	S	S	S	S	S	239
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	4
1,000 to 9,999 lb	S	S	S	S	S	S	14
10,000 to 49,999 lb	43	5.3	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	27
100,000 lb or more	S	S	S	S	2 460	99.3	1 303
Other and unknown modes	29 254	100.0	92 182	100.0	6 728	100.0	85
Less than 50 lb	2 546	8.7	153	.2	12	.2	84
50 to 99 lb	770	2.6	88	.1	5	—	55
100 to 499 lb	1 679	5.7	347	.4	22	.3	59
500 to 749 lb	501	1.7	233	.3	11	.2	49
750 to 999 lb	462	1.6	S	S	14	.2	S
1,000 to 9,999 lb	5 907	20.2	2 511	2.7	387	5.8	138
10,000 to 49,999 lb	6 341	21.7	11 227	12.2	2 481	36.9	242
50,000 to 99,999 lb	840	2.9	4 224	4.6	553	8.2	S
100,000 lb or more	10 207	34.9	73 198	79.4	3 243	48.2	244

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	815 886	100.0	1 705 530	100.0	418 597	100.0	365
01	Live animals and live fish	560	—	428	—	87	—	S
02	Cereal grains	9 384	1.2	70 162	4.1	7 528	1.8	86
03	Other agricultural products	9 053	1.1	25 815	1.5	5 146	1.2	S
04	Animal feed and products of animal origin, n.e.c.	10 690	1.3	35 085	2.1	5 125	1.2	S
05	Meat, fish, seafood, and their preparations	22 642	2.8	11 150	.7	5 342	1.3	142
06	Milled grain products and preparations, and bakery products	11 444	1.4	9 339	.5	3 946	.9	80
07	Other prepared foodstuffs and fats and oils	38 950	4.8	37 895	2.2	10 367	2.5	227
08	Alcoholic beverages	8 588	1.1	7 378	.4	1 306	.3	29
09	Tobacco products	1 554	.2	82	—	9	—	71
10	Monumental or building stone	234	—	816	—	S	S	176
11	Natural sands	503	—	73 534	4.3	4 124	1.0	S
12	Gravel and crushed stone	726	—	131 498	7.7	7 231	1.7	42
13	Nonmetallic minerals n.e.c.	1 077	.1	49 670	2.9	12 935	3.1	102
14	Metallic ores and concentrates	1 108	.1	S	S	2 495	.6	257
15	Coal	695	—	53 995	3.2	731	.2	61
17	Gasoline and aviation turbine fuel	46 250	5.7	311 370	18.3	83 880	20.0	42
18	Fuel oils	26 904	3.3	158 890	9.3	21 132	5.0	28
19	Coal and petroleum products, n.e.c.	29 109	3.6	138 935	8.1	30 748	7.3	166
20	Basic chemicals	78 957	9.7	153 669	9.0	73 024	17.4	187
21	Pharmaceutical products	12 753	1.6	726	—	556	.1	503
22	Fertilizers	4 831	.6	25 496	1.5	11 480	2.7	111
23	Chemical products and preparations, n.e.c.	20 948	2.6	14 388	.8	7 536	1.8	247
24	Plastics and rubber	42 545	5.2	33 850	2.0	25 399	6.1	315
25	Logs and other wood in the rough	1 317	.2	55 255	3.2	4 252	1.0	S
26	Wood products	15 860	1.9	59 334	3.5	19 247	4.6	279
27	Pulp, newsprint, paper, and paperboard	12 555	1.5	19 679	1.2	14 713	3.5	222
28	Paper or paperboard articles	10 077	1.2	6 976	.4	2 267	.5	210
29	Printed products	14 259	1.7	7 673	.4	1 210	.3	412
30	Textiles, leather, and articles of textiles or leather	28 345	3.5	3 763	.2	1 648	.4	844
31	Nonmetallic mineral products	11 407	1.4	102 475	6.0	14 392	3.4	234
32	Base metal in primary or semifinished forms and in finished basic shapes	23 133	2.8	31 810	1.9	15 013	3.6	210
33	Articles of base metal	28 083	3.4	18 168	1.1	6 561	1.6	284
34	Machinery	37 880	4.6	4 532	.3	2 423	.6	289
35	Electronic and other electrical equipment and components and office equipment	118 048	14.5	5 192	.3	3 258	.8	533
36	Motorized and other vehicles (including parts)	28 092	3.4	3 728	.2	1 805	.4	236
37	Transportation equipment, n.e.c.	7 400	.9	640	—	343	—	608
38	Precision instruments and apparatus	15 384	1.9	192	—	113	—	931
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12 596	1.5	1 997	.1	842	.2	463
40	Miscellaneous manufactured products	40 039	4.9	9 113	.5	4 117	1.0	583
41	Waste and scrap	2 098	.3	11 773	.7	2 732	.7	166
43	Mixed freight	25 621	3.1	10 899	.6	1 843	.4	113
--	Commodity unknown	4 186	.5	4 242	.2	1 584	.4	432

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	815 886	100.0	1 705 530	100.0	418 597	100.0	365
010	Live animals and live fish	560	—	428	—	87	—	S
021	Wheat	2 115	.3	15 573	.9	3 541	.8	154
022	Corn, except sweet	3 701	.5	33 109	1.9	1 774	.4	43
029	Other cereal grains	S	S	S	S	2 213	.5	114
031	Fresh or chilled potatoes (Irish potatoes), except sweet	508	—	S	S	S	S	37
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	1 539	.2	2 035	.1	544	.1	S
033	Fresh, chilled, or dried edible fruit and nuts	749	—	1 586	—	S	S	S
034	Soya beans	4 609	.6	17 589	1.0	1 947	.5	111
035	Oil seeds and nuts, except olives and soya beans	560	—	1 360	—	339	—	133
036	Bulbs, live plants, and seeds for sowing, n.e.c.	205	—	202	—	24	—	118
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	882	.1	1 693	.1	S	S	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	2 957	.4	9 869	.6	2 647	.6	206
042	Animal feed preparations	7 734	.9	25 216	1.5	2 478	.6	S
051	Meat including poultry, except preparations	20 935	2.6	10 736	.6	5 134	1.2	139
052	Fish, except live, and seafood, except preparations	1 239	.2	261	—	S	S	127
053	Preparations, extracts, and juices of meat, fish, or seafood	468	—	152	—	118	—	400
061	Wheat flour, groats, and meal	817	.1	2 739	.2	781	.2	107
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	1 405	.2	2 748	.2	1 909	.5	219
063	Food preparations of cereals, flour, starch, or milk	S	S	1 177	—	528	.1	319
064	Bakery products	6 197	.8	2 675	.2	728	.2	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	3 275	.4	3 737	.2	422	.1	51
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	6 763	.8	4 029	.2	1 887	.5	561
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	2 397	.3	620	—	540	.1	229
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	2 843	.3	6 000	.4	1 738	.4	162
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	1 658	.2	3 899	.2	1 573	.4	204
076	Confectionery, cocoa, and cocoa preparations	1 693	.2	347	—	297	—	295
077	Edible preparations, n.e.c. and vinegar	6 439	.8	4 005	.2	1 696	.4	343
078	Nonalcoholic beverages, n.e.c. and ice	13 882	1.7	15 257	.9	2 214	.5	55
081	Malt Beer	5 496	.7	6 562	.4	1 023	.2	25
082	Wine and other fermented beverages	549	—	162	—	6	—	30
083	Spirituos beverages and ethyl alcohol	2 543	.3	654	—	277	—	43
090	Tobacco products	1 554	.2	82	—	9	—	71
100	Monumental or building stone, except dolomite	234	—	816	—	S	S	176
110	Natural sands, except metal-bearing	503	—	73 534	4.3	4 124	1.0	S
120	Gravel and crushed stone, except dolomite and slate	726	—	131 498	7.7	7 231	1.7	42
131	Salt	284	—	10 828	.6	S	S	152
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	31	—	2	—	471
133	Dolomite	S	S	S	S	S	S	S
139	Other nonmetallic minerals	729	—	S	S	2 895	.7	106
141	Iron ores and concentrates	S	S	S	S	S	S	94
149	Other metallic ores and concentrates	1 073	.1	S	S	2 457	.6	392
151	Nonagglomerated bituminous coal	48	—	1 755	.1	275	—	138
159	Other coal	647	—	52 240	3.1	456	.1	40
171	Gasoline	41 921	5.1	251 265	14.7	61 230	14.6	S
172	Aviation turbine fuel (types A and B)	4 329	.5	60 105	3.5	22 651	5.4	118
180	Fuel oils	26 904	3.3	158 890	9.3	21 132	5.0	28
191	Lubricating oils and greases	10 675	1.3	20 633	1.2	10 952	2.6	241
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	5 302	.6	28 925	1.7	8 051	1.9	S
193	Gaseous hydrocarbons	8 241	1.0	33 400	2.0	3 091	.7	73
199	Other products of petroleum refining, and coal products	4 892	.6	55 978	3.3	8 653	2.1	109
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	3 005	.4	19 692	1.2	11 409	2.7	236
202	Inorganic chemicals, n.e.c.	9 573	1.2	39 956	2.3	12 641	3.0	92
203	Cyclic hydrocarbons	6 144	.8	10 288	.6	3 582	.9	300
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	11 418	1.4	15 687	.9	10 946	2.6	434
205	Organic chemicals, n.e.c.	48 817	6.0	68 046	4.0	34 445	8.2	438
210	Pharmaceutical products	12 753	1.6	726	—	556	.1	503
220	Fertilizers and fertilizer materials	4 831	.6	25 496	1.5	11 480	2.7	111
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	2 896	.4	1 566	—	561	.1	94
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	903	.1	S	S	84	—	451
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	2 862	.4	2 627	.2	2 374	.6	269
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	1 212	.1	120	—	S	S	185
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	4 624	.6	1 377	—	719	.2	141
239	Other chemical products and preparations	8 450	1.0	8 435	.5	3 751	.9	273
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	22 069	2.7	25 937	1.5	20 708	4.9	493
242	Manmade fibers and plastics basic shapes and articles	15 077	1.8	6 549	.4	3 862	.9	316

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	5 400	.7	1 364	—	829	.2	269
250	Logs and other wood in the rough	1 317	.2	55 255	3.2	4 252	1.0	S
261	Wood chips or particles	299	—	10 651	.6	1 168	.3	101
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	5 703	.7	14 066	.8	3 887	.9	162
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	6 873	.8	S	S	S	S	264
264	Builders' joinery and carpentry of wood, except shingles and shakes	1 729	.2	699	—	289	—	337
269	Other wood products	1 256	.2	S	S	651	.2	572
271	Pulp of fibrous cellulosic materials	74	—	S	S	188	—	274
272	Newsprint in large rolls or sheets	1 407	.2	2 367	.1	1 256	.3	450
273	Uncoated paper and paperboard in large rolls or sheets	7 796	1.0	12 686	.7	9 882	2.4	175
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	3 278	.4	4 281	.3	3 386	.8	292
280	Paper or paperboard articles	10 077	1.2	6 976	.4	2 267	.5	210
291	Printed books, brochures, leaflets, and similar printed products	4 445	.5	S	S	172	—	941
292	Newspapers, journals, and periodicals	4 301	.5	3 962	.2	S	S	21
293	Advertising material, commercial or trade catalogues, and similar printed products	1 792	.2	1 100	—	531	.1	S
299	Other printed products	3 721	.5	628	—	314	—	376
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	1 312	.2	266	—	216	—	756
302	Textile clothing and accessories, and headgear, except safety	20 153	2.5	S	S	781	.2	867
303	Textiles and textile articles, n.e.c.	3 780	.5	934	—	450	.1	797
304	Footwear	S	S	S	S	S	S	981
305	Leather and articles, luggage of related materials, and dressed furskins and articles	850	.1	S	S	S	S	644
311	Hydraulic cements	874	.1	12 887	.8	2 145	.5	150
312	Ceramic products	1 527	.2	3 196	.2	1 261	.3	415
313	Glass and glass products	3 008	.4	3 749	.2	2 116	.5	309
319	Other nonmetallic mineral products	5 999	.7	82 643	4.8	8 870	2.1	96
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	1 904	.2	2 318	.1	964	.2	179
322	Flat-rolled products of iron or steel	6 049	.7	S	S	S	S	149
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	7 149	.9	12 808	.8	7 772	1.9	205
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	8 032	1.0	4 036	.2	2 839	.7	304
331	Pipes, tubes, and fittings	14 244	1.7	11 392	.7	3 432	.8	262
332	Structures and parts, except prefabricated buildings	4 056	.5	4 420	.3	2 122	.5	241
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	5 665	.7	858	—	410	.1	303
339	Other articles of metal	4 119	.5	1 499	—	598	.1	299
341	Internal-combustion piston engines	3 064	.4	243	—	101	—	212
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	3 042	.4	278	—	213	—	498
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	4 831	.6	376	—	227	—	346
344	Air-conditioning, refrigerating, or freezing equipment	5 983	.7	1 169	—	657	.2	252
345	Materials-handling, excavating, boring, and related machinery and equipment	5 093	.6	923	—	547	.1	400
349	Other machinery	15 866	1.9	1 543	—	678	.2	278
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	5 613	.7	723	—	503	.1	417
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	843	.1	114	—	48	—	267
353	Line telephone or telegraph apparatus	10 628	1.3	181	—	134	—	582
354	Electronic entertainment products, except parts	S	S	387	—	260	—	723
355	Computer and office equipment	34 028	4.2	836	—	868	.2	821
356	Prepared unrecorded or prerecorded media	2 879	.4	S	S	S	S	849
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	2 992	.4	56	—	58	—	562
358	Electronic components and parts	32 074	3.9	S	S	107	—	975
359	Other electronic and electrical equipment	20 941	2.6	2 308	.1	1 151	.3	302
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	6 366	.8	684	—	604	.1	740
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	1 900	.2	290	—	152	—	239
363	Other vehicles	6 790	.8	1 519	—	376	—	255
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	13 036	1.6	1 235	—	674	.2	229
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	985	.1	425	—	117	—	518
372	Aircraft and spacecraft	5 280	.6	33	—	32	—	642
373	Ships, boats, and floating structures	1 135	.1	182	—	S	S	388
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	S	S	S	S	1 075
382	Photographic and photocopying machines	1 193	.1	23	—	5	—	580
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	618	—	9	—	2	—	S
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	3 002	.4	45	—	25	—	578
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	3 222	.4	72	—	38	—	442

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12 596	1.5	1 997	.1	842	.2	463
401	Arms and ammunition	452	—	S	S	S	S	727
402	Toys, games, and sporting equipment	6 044	.7	S	S	420	.1	941
409	Miscellaneous manufactured products	33 543	4.1	8 451	.5	3 679	.9	453
411	Metallic waste and scrap	1 782	.2	7 902	.5	2 040	.5	176
412	Nonmetallic waste and scrap, except from food processing	315	—	3 870	.2	691	.2	152
439	Mixed freight	25 621	3.1	10 899	.6	1 843	.4	113
—	Commodity unknown	4 186	.5	4 242	.2	1 584	.4	432

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 160, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	815 886	100.0	1 705 530	100.0	418 597	100.0	365
Single modes	713 303	87.4	1 596 851	93.6	391 535	93.5	168
Truck ¹	521 655	63.9	844 027	49.5	135 765	32.4	134
For-hire truck	280 117	34.3	357 553	21.0	97 589	23.3	468
Private truck	238 155	29.2	476 833	28.0	36 814	8.8	59
Rail	72 044	8.8	166 213	9.7	106 891	25.5	863
Water	37 452	4.6	226 900	13.3	100 912	24.1	391
Shallow draft	29 926	3.7	169 426	9.9	60 635	14.5	384
Great Lakes	—	—	—	—	—	—	—
Deep draft	7 526	.9	57 474	3.4	40 277	9.6	420
Air (includes truck and air)	21 088	2.6	286	—	360	—	1 310
Pipeline ²	61 064	7.5	359 426	21.1	S	S	S
Multiple modes	73 329	9.0	16 498	1.0	20 334	4.9	783
Parcel, U.S. Postal Service or courier	68 270	8.4	1 639	.1	1 135	.3	782
Truck and rail	3 557	.4	5 140	.3	4 244	1.0	1 012
Truck and water	678	—	5 055	.3	S	S	4 716
Rail and water	S	S	S	S	S	S	1 269
Other multiple modes	S	S	4 643	.3	2 476	.6	S
Other and unknown modes	29 254	3.6	92 182	5.4	6 728	1.6	85
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	560	100.0	428	100.0	87	100.0	S
Single modes	549	98.1	423	98.9	86	99.7	S
Truck ¹	549	98.1	423	98.9	86	99.7	S
For-hire truck	225	40.1	168	39.2	55	63.6	276
Private truck	324	58.0	256	59.7	31	36.1	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	976
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	976
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	26
SCTG 02, CEREAL GRAINS							
Total	9 384	100.0	70 162	100.0	7 528	100.0	86
Single modes	4 665	49.7	36 350	51.8	6 376	84.7	85
Truck ¹	2 357	25.1	17 598	25.1	1 895	25.2	79
For-hire truck	1 383	14.7	11 149	15.9	1 393	18.5	162
Private truck	967	10.3	6 408	9.1	498	6.6	44
Rail	766	8.2	5 532	7.9	2 396	31.8	643
Water	1 541	16.4	13 221	18.8	2 085	27.7	644
Shallow draft	S	S	S	S	2 054	27.3	745
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	10
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	457
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 133
Truck and rail	S	S	S	S	S	S	151
Truck and water	S	S	S	S	S	S	399
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	33 064	47.1	1 118	14.9	107

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	9 053	100.0	25 815	100.0	5 146	100.0	S
Single modes	7 904	87.3	22 036	85.4	4 930	95.8	S
Truck ¹	4 555	50.3	9 070	35.1	3 004	58.4	S
For-hire truck	1 805	19.9	4 562	17.7	2 601	50.5	574
Private truck	2 732	30.2	4 435	17.2	400	7.8	33
Rail	S	S	S	S	444	8.6	616
Water	2 778	30.7	10 922	42.3	1 482	28.8	407
Shallow draft	S	S	S	S	1 289	25.1	500
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	33
Air (includes truck and air)	S	S	S	S	S	S	1 069
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 072
Parcel, U.S. Postal Service or courier	S	S	2	—	1	—	1 078
Truck and rail	S	S	S	S	S	S	754
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 065	11.8	S	S	151	2.9	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	10 690	100.0	35 085	100.0	5 125	100.0	S
Single modes	9 767	91.4	32 903	93.8	4 791	93.5	S
Truck ¹	9 280	86.8	30 833	87.9	3 933	76.7	S
For-hire truck	2 225	20.8	6 053	17.3	1 816	35.4	298
Private truck	7 054	66.0	24 778	70.6	2 116	41.3	S
Rail	405	3.8	1 239	3.5	808	15.8	800
Water	S	S	S	S	S	S	308
Shallow draft	S	S	S	S	S	S	308
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	618	5.8	1 290	3.7	263	5.1	1 254
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 308
Truck and rail	423	4.0	199	.6	159	3.1	764
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	152	1.4	S	S	S	S	93
Other and unknown modes	306	2.9	891	2.5	71	1.4	28
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	22 642	100.0	11 150	100.0	5 342	100.0	142
Single modes	22 419	99.0	10 973	98.4	5 252	98.3	140
Truck ¹	21 890	96.7	10 641	95.4	5 009	93.8	139
For-hire truck	11 760	51.9	5 497	49.3	3 886	72.7	714
Private truck	9 915	43.8	5 048	45.3	1 070	20.0	82
Rail	S	S	S	S	242	4.5	1 118
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 566
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	856
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	847
Truck and rail	S	S	S	S	S	S	2 574
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	212	.9	167	1.5	66	1.2	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	11 444	100.0	9 339	100.0	3 946	100.0	80
Single modes	11 338	99.1	9 178	98.3	3 837	97.2	72
Truck ¹	10 843	94.7	8 021	85.9	2 628	66.6	70
For-hire truck	2 393	20.9	3 807	40.8	1 708	43.3	438
Private truck	8 386	73.3	4 181	44.8	909	23.0	55
Rail	487	4.3	1 147	12.3	1 196	30.3	1 151
Water	S	S	S	S	S	S	1 204
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 204
Air (includes truck and air)	S	S	S	S	S	S	168
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	35	.3	61	.7	81	2.1	769
Parcel, U.S. Postal Service or courier	6	—	S	S	S	S	755
Truck and rail	28	.2	57	.6	S	S	1 132
Truck and water	S	S	S	S	S	S	7 273
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	72	.6	99	1.1	28	.7	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	38 950	100.0	37 895	100.0	10 367	100.0	227
Single modes	38 157	98.0	37 304	98.4	9 815	94.7	81
Truck ¹	36 461	93.6	33 250	87.7	7 866	75.9	80
For-hire truck	12 351	31.7	11 801	31.1	5 299	51.1	441
Private truck	23 981	61.6	21 119	55.7	2 500	24.1	61
Rail	886	2.3	1 858	4.9	1 605	15.5	931
Water	718	1.8	1 987	5.2	S	S	268
Shallow draft	718	1.8	1 987	5.2	S	S	268
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 530
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	494	1.3	305	.8	404	3.9	973
Parcel, U.S. Postal Service or courier	S	S	20	—	S	S	973
Truck and rail	334	.9	S	S	307	3.0	1 460
Truck and water	S	S	S	S	S	S	182
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	872
Other and unknown modes	299	.8	286	.8	148	1.4	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	8 588	100.0	7 378	100.0	1 306	100.0	29
Single modes	8 495	98.9	7 287	98.8	1 301	99.7	29
Truck ¹	8 042	93.7	6 874	93.2	1 016	77.8	28
For-hire truck	1 558	18.1	1 629	22.1	773	59.2	256
Private truck	6 485	75.5	5 245	71.1	243	18.6	25
Rail	451	5.2	S	S	S	S	950
Water	S	S	S	S	S	S	14
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	14
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	88
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	173
Truck and rail	S	S	S	S	S	S	69
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	81	.9	78	1.1	S	S	23

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	1 554	100.0	82	100.0	9	100.0	71
Single modes	1 498	96.4	79	96.4	9	96.8	72
Truck ¹	1 495	96.2	78	95.8	9	96.7	72
For-hire truck	S	S	S	S	S	S	70
Private truck	1 469	94.6	78	94.6	8	91.1	72
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	14
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	14
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	154
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	172
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	3
Other and unknown modes	54	3.5	3	3.5	S	S	55
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	234	100.0	816	100.0	S	S	176
Single modes	229	97.9	814	99.8	S	S	68
Truck ¹	229	97.9	814	99.8	S	S	68
For-hire truck	S	S	S	S	S	S	297
Private truck	S	S	S	S	S	S	40
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	974
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	974
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	—	.1	2	.2	S	S	11
SCTG 11, NATURAL SANDS							
Total	503	100.0	73 534	100.0	4 124	100.0	S
Single modes	482	95.9	72 346	98.4	3 995	96.9	S
Truck ¹	424	84.4	67 388	91.6	2 302	55.8	29
For-hire truck	211	41.9	27 371	37.2	1 366	33.1	47
Private truck	214	42.5	40 018	54.4	936	22.7	18
Rail	S	S	S	S	S	S	304
Water	S	S	S	S	S	S	226
Shallow draft	S	S	S	S	S	S	226
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	797
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	889
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 193
Truck and rail	S	S	S	S	S	S	42
Truck and water	S	S	S	S	S	S	212
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	11	2.3	1 162	1.6	S	S	141

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	726	100.0	131 498	100.0	7 231	100.0	42
Single modes	710	97.8	129 410	98.4	7 055	97.6	41
Truck ¹	650	89.6	118 449	90.1	5 069	70.1	39
For-hire truck	259	35.8	50 087	38.1	2 461	34.0	47
Private truck	382	52.6	67 323	51.2	2 516	34.8	33
Rail	50	6.9	9 483	7.2	1 715	23.7	190
Water	\$	\$	\$	\$	\$	\$	180
Shallow draft	\$	\$	\$	\$	\$	\$	180
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	\$	\$	\$
Multiple modes	\$	\$	\$	\$	\$	\$	517
Parcel, U.S. Postal Service or courier	\$	\$	\$	\$	\$	\$	1 348
Truck and rail	\$	\$	\$	\$	\$	\$	425
Truck and water	\$	\$	\$	\$	\$	\$	220
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	\$	\$	1 932	1.5	125	1.7	70
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	1 077	100.0	49 670	100.0	12 935	100.0	102
Single modes	1 025	95.2	49 468	99.6	12 887	99.6	97
Truck ¹	813	75.5	38 694	77.9	3 102	24.0	90
For-hire truck	489	45.4	10 644	21.4	2 016	15.6	232
Private truck	323	30.0	\$	\$	1 078	8.3	37
Rail	101	9.4	1 895	3.8	1 254	9.7	637
Water	109	10.1	\$	\$	\$	\$	813
Shallow draft	99	9.2	\$	\$	\$	\$	1 015
Great Lakes	—	—	—	—	—	—	—
Deep draft	\$	\$	\$	\$	\$	\$	177
Air (includes truck and air)	\$	\$	\$	\$	\$	\$	1 468
Pipeline ²	\$	\$	\$	\$	\$	\$	\$
Multiple modes	9	.9	\$	\$	—	—	319
Parcel, U.S. Postal Service or courier	8	.8	\$	\$	—	—	329
Truck and rail	—	—	—	—	—	—	—
Truck and water	\$	\$	\$	\$	\$	\$	334
Rail and water	—	—	—	—	—	—	—
Other multiple modes	\$	\$	\$	\$	\$	\$	14
Other and unknown modes	42	3.9	\$	\$	\$	\$	165
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	1 108	100.0	\$	\$	2 495	100.0	257
Single modes	1 074	97.0	\$	\$	2 364	94.8	260
Truck ¹	\$	\$	\$	\$	286	11.5	190
For-hire truck	\$	\$	\$	\$	245	9.8	535
Private truck	205	18.5	219	5.6	\$	\$	\$
Rail	146	13.2	906	23.1	1 095	43.9	1 282
Water	\$	\$	\$	\$	983	39.4	396
Shallow draft	93	8.4	562	14.3	907	36.4	824
Great Lakes	—	—	—	—	—	—	—
Deep draft	\$	\$	\$	\$	\$	\$	48
Air (includes truck and air)	\$	\$	\$	\$	\$	\$	1 590
Pipeline ²	—	—	—	—	\$	\$	\$
Multiple modes	\$	\$	\$	\$	\$	\$	603
Parcel, U.S. Postal Service or courier	\$	\$	\$	\$	\$	\$	457
Truck and rail	\$	\$	\$	\$	\$	\$	1 834
Truck and water	\$	\$	\$	\$	\$	\$	1 722
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	\$	\$	\$	\$	\$	\$	\$

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	695	100.0	53 995	100.0	731	100.0	61
Single modes	385	55.3	29 005	53.7	400	54.7	47
Truck ¹	174	25.0	10 586	19.6	204	27.9	44
For-hire truck	52	7.5	2 435	4.5	140	19.2	S
Private truck	121	17.4	8 151	15.1	64	8.7	S
Rail	211	30.4	18 419	34.1	197	26.9	S
Water	S	S	S	S	S	S	11
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	11
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	328
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	25
Truck and rail	S	S	S	S	S	S	417
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	299	43.0	24 586	45.5	205	28.1	16
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	46 250	100.0	311 370	100.0	83 880	100.0	42
Single modes	45 443	98.3	307 713	98.8	73 369	87.5	46
Truck ¹	14 378	31.1	58 453	18.8	2 936	3.5	43
For-hire truck	5 692	12.3	20 073	6.4	1 710	2.0	90
Private truck	8 519	18.4	37 742	12.1	1 176	1.4	25
Rail	S	S	S	S	37	—	448
Water	4 712	10.2	45 949	14.8	35 333	42.1	705
Shallow draft	3 058	6.6	21 417	6.9	13 152	15.7	544
Great Lakes	—	—	—	—	—	—	—
Deep draft	1 654	3.6	S	S	S	S	907
Air (includes truck and air)	S	S	S	S	S	S	1 444
Pipeline ²	26 302	56.9	203 058	65.2	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 068
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	5 291
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	398	.9	1 393	.4	35	—	S
SCTG 18, FUEL OILS							
Total	26 904	100.0	158 890	100.0	21 132	100.0	28
Single modes	26 032	96.8	154 737	97.4	20 225	95.7	29
Truck ¹	6 383	23.7	28 054	17.7	1 501	7.1	28
For-hire truck	1 688	6.3	6 761	4.3	661	3.1	101
Private truck	4 684	17.4	21 234	13.4	835	4.0	21
Rail	63	.2	453	.3	326	1.5	740
Water	4 062	15.1	33 080	20.8	8 581	40.6	S
Shallow draft	3 197	11.9	25 875	16.3	5 565	26.3	119
Great Lakes	—	—	—	—	—	—	—
Deep draft	865	3.2	7 205	4.5	S	S	319
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	15 525	57.7	93 150	58.6	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	418	1.6	1 749	1.1	65	.3	16

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	29 109	100.0	138 935	100.0	30 748	100.0	166
Single modes	27 782	95.4	136 063	97.9	29 826	97.0	166
Truck ¹	9 011	31.0	37 787	27.2	7 679	25.0	158
For-hire truck	4 589	15.8	23 119	16.6	3 929	12.8	272
Private truck	3 999	13.7	13 062	9.4	S	S	144
Rail	4 081	14.0	13 274	9.6	7 962	25.9	645
Water	7 518	25.8	49 829	35.9	12 812	41.7	437
Shallow draft	6 611	22.7	43 654	31.4	6 665	21.7	338
Great Lakes	—	—	—	—	—	—	—
Deep draft	907	3.1	6 174	4.4	6 147	20.0	932
Air (includes truck and air)	S	S	S	S	S	S	1 753
Pipeline ²	7 163	24.6	35 171	25.3	S	S	S
Multiple modes	S	S	477	.3	590	1.9	736
Parcel, U.S. Postal Service or courier	S	S	2	—	1	—	626
Truck and rail	S	S	S	S	S	S	1 482
Truck and water	S	S	S	S	S	S	251
Rail and water	S	S	S	S	S	S	417
Other multiple modes	S	S	S	S	S	S	1 856
Other and unknown modes	1 051	3.6	2 395	1.7	332	1.1	S
SCTG 20, BASIC CHEMICALS							
Total	78 957	100.0	153 669	100.0	73 024	100.0	187
Single modes	75 396	95.5	145 416	94.6	70 346	96.3	161
Truck ¹	24 385	30.9	39 178	25.5	13 596	18.6	109
For-hire truck	19 566	24.8	25 514	16.6	S	S	415
Private truck	4 481	5.7	13 221	8.6	1 869	2.6	39
Rail	26 509	33.6	37 888	24.7	32 344	44.3	1 029
Water	13 602	17.2	43 790	28.5	23 713	32.5	441
Shallow draft	11 332	14.4	34 897	22.7	15 792	21.6	465
Great Lakes	—	—	—	—	—	—	—
Deep draft	2 269	2.9	8 893	5.8	7 922	10.8	313
Air (includes truck and air)	S	S	—	—	—	—	1 296
Pipeline ²	10 814	13.7	24 559	16.0	S	S	S
Multiple modes	663	.8	1 202	.8	1 487	2.0	515
Parcel, U.S. Postal Service or courier	176	.2	S	S	S	S	502
Truck and rail	331	.4	281	.2	388	.5	1 577
Truck and water	S	S	S	S	S	S	1 280
Rail and water	S	S	S	S	S	S	4 355
Other multiple modes	75	.1	S	S	S	S	475
Other and unknown modes	2 899	3.7	7 051	4.6	1 191	1.6	83
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	12 753	100.0	726	100.0	556	100.0	503
Single modes	9 388	73.6	654	90.1	514	92.5	182
Truck ¹	9 167	71.9	640	88.2	499	89.8	146
For-hire truck	5 605	44.0	472	65.0	441	79.4	248
Private truck	3 479	27.3	166	22.9	57	10.3	88
Rail	S	S	S	S	S	S	1 171
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	199	1.6	S	S	S	S	1 367
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3 295	25.8	65	8.9	41	7.4	654
Parcel, U.S. Postal Service or courier	3 255	25.5	60	8.3	29	5.2	654
Truck and rail	S	S	4	.5	7	1.2	1 890
Truck and water	S	S	S	S	S	S	7 411
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	70	.6	7	1.0	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	4 831	100.0	25 496	100.0	11 480	100.0	111
Single modes	4 308	89.2	22 807	89.5	10 940	95.3	105
Truck ¹	2 424	50.2	10 250	40.2	1 959	17.1	71
For-hire truck	556	11.5	3 116	12.2	1 269	11.1	291
Private truck	1 773	36.7	6 487	25.4	610	5.3	43
Rail	937	19.4	6 098	23.9	4 849	42.2	782
Water	784	16.2	5 507	21.6	3 534	30.8	363
Shallow draft	741	15.3	5 156	20.2	3 330	29.0	360
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	526
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	163	3.4	952	3.7	S	S	S
Multiple modes	S	S	S	S	S	S	1 277
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 278
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	1 238
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 280
Other and unknown modes	S	S	S	S	84	.7	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	20 948	100.0	14 388	100.0	7 536	100.0	247
Single modes	19 345	92.3	13 124	91.2	6 950	92.2	151
Truck ¹	16 105	76.9	9 558	66.4	4 702	62.4	139
For-hire truck	10 015	47.8	6 112	42.5	4 106	54.5	490
Private truck	5 950	28.4	3 000	20.9	459	6.1	43
Rail	2 302	11.0	2 112	14.7	2 199	29.2	999
Water	S	S	S	S	S	S	158
Shallow draft	S	S	S	S	S	S	181
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	32
Air (includes truck and air)	35	.2	3	—	3	—	1 519
Pipeline ²	S	S	422	2.9	S	S	S
Multiple modes	1 089	5.2	194	1.3	281	3.7	542
Parcel, U.S. Postal Service or courier	835	4.0	57	.4	26	.3	540
Truck and rail	254	1.2	137	1.0	253	3.4	1 841
Truck and water	S	S	S	S	S	S	4 288
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	515	2.5	S	S	S	S	40
SCTG 24, PLASTICS AND RUBBER							
Total	42 545	100.0	33 850	100.0	25 399	100.0	315
Single modes	38 786	91.2	31 727	93.7	24 102	94.9	221
Truck ¹	24 374	57.3	13 410	39.6	7 069	27.8	199
For-hire truck	18 238	42.9	10 649	31.5	6 466	25.5	550
Private truck	5 965	14.0	2 676	7.9	555	2.2	65
Rail	14 297	33.6	18 276	54.0	17 023	67.0	939
Water	S	S	S	S	S	S	105
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	105
Air (includes truck and air)	96	.2	7	—	9	—	1 397
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	2 146	5.0	687	2.0	944	3.7	618
Parcel, U.S. Postal Service or courier	1 552	3.6	82	.2	51	.2	612
Truck and rail	591	1.4	604	1.8	892	3.5	1 429
Truck and water	S	S	S	S	S	S	6 559
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 614	3.8	S	S	354	1.4	57

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	1 317	100.0	55 255	100.0	4 252	100.0	S
Single modes	1 307	99.2	53 612	97.0	3 859	90.8	63
Truck ¹	1 230	93.4	48 998	88.7	2 825	66.4	62
For-hire truck	518	39.3	17 344	31.4	1 089	25.6	S
Private truck	690	52.4	29 490	53.4	1 548	36.4	55
Rail	19	1.4	S	S	78	1.8	316
Water	S	S	S	S	S	S	219
Shallow draft	S	S	S	S	S	S	219
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 263
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 390
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 414
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	266
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	118
SCTG 26, WOOD PRODUCTS							
Total	15 860	100.0	59 334	100.0	19 247	100.0	279
Single modes	15 478	97.6	58 666	98.9	18 854	98.0	185
Truck ¹	12 275	77.4	44 010	74.2	8 801	45.7	168
For-hire truck	6 319	39.8	28 344	47.8	6 368	33.1	340
Private truck	5 892	37.1	15 344	25.9	2 387	12.4	100
Rail	3 185	20.1	S	S	9 990	51.9	775
Water	S	S	S	S	S	S	541
Shallow draft	S	S	S	S	S	S	1 011
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	12
Air (includes truck and air)	S	S	S	S	—	—	993
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	161	1.0	S	S	S	S	969
Parcel, U.S. Postal Service or courier	S	S	10	—	S	S	968
Truck and rail	S	S	S	S	S	S	1 287
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	239
Other and unknown modes	220	1.4	555	.9	S	S	S
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	12 555	100.0	19 679	100.0	14 713	100.0	222
Single modes	12 279	97.8	19 206	97.6	14 308	97.2	219
Truck ¹	8 761	69.8	10 998	55.9	6 128	41.7	184
For-hire truck	5 550	44.2	8 470	43.0	5 619	38.2	587
Private truck	3 209	25.6	2 527	12.8	509	3.5	53
Rail	3 512	28.0	8 200	41.7	8 176	55.6	997
Water	S	S	S	S	S	S	78
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	78
Air (includes truck and air)	S	S	S	S	S	S	862
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	156	1.2	177	.9	318	2.2	471
Parcel, U.S. Postal Service or courier	29	.2	7	—	1	—	411
Truck and rail	126	1.0	168	.9	302	2.1	1 799
Truck and water	S	S	S	S	S	S	6 679
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	119	1.0	S	S	S	S	53

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	10 077	100.0	6 976	100.0	2 267	100.0	210
Single modes	9 333	92.6	6 688	95.9	2 114	93.3	89
Truck ¹	9 231	91.6	6 587	94.4	2 016	88.9	76
For-hire truck	5 121	50.8	3 734	53.5	1 710	75.5	250
Private truck	4 092	40.6	2 847	40.8	301	13.3	37
Rail	S	S	S	S	S	S	1 042
Water	S	S	S	S	S	S	11
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	11
Air (includes truck and air)	S	S	S	S	S	S	1 329
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	445	4.4	81	1.2	93	4.1	612
Parcel, U.S. Postal Service or courier	389	3.9	49	.7	26	1.1	610
Truck and rail	51	.5	31	.4	59	2.6	1 856
Truck and water	S	S	S	S	S	S	7 474
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	287
Other and unknown modes	300	3.0	207	3.0	60	2.7	78
SCTG 29, PRINTED PRODUCTS							
Total	14 259	100.0	7 673	100.0	1 210	100.0	412
Single modes	8 992	63.1	6 661	86.8	919	76.0	115
Truck ¹	8 836	62.0	6 645	86.6	901	74.4	80
For-hire truck	3 937	27.6	1 923	25.1	809	66.8	485
Private truck	4 869	34.1	4 703	61.3	90	7.4	16
Rail	S	S	S	S	S	S	166
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	155	1.1	15	.2	19	1.6	1 562
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3 866	27.1	227	3.0	163	13.4	790
Parcel, U.S. Postal Service or courier	3 866	27.1	227	3.0	162	13.4	790
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	7 386
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 401	9.8	785	10.2	S	S	S
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	28 345	100.0	3 763	100.0	1 648	100.0	844
Single modes	23 054	81.3	3 477	92.4	1 406	85.4	579
Truck ¹	22 899	80.8	3 431	91.2	1 330	80.7	458
For-hire truck	5 936	20.9	652	17.3	603	36.6	1 040
Private truck	16 792	59.2	S	S	724	43.9	76
Rail	S	S	S	S	S	S	828
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	116	.4	S	S	S	S	1 307
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	4 703	16.6	186	5.0	194	11.8	951
Parcel, U.S. Postal Service or courier	4 633	16.3	161	4.3	154	9.4	951
Truck and rail	S	S	S	S	S	S	1 406
Truck and water	S	S	S	S	S	S	7 687
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	588	2.1	99	2.6	47	2.8	281

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	11 407	100.0	102 475	100.0	14 392	100.0	234
Single modes	10 663	93.5	99 588	97.2	13 500	93.8	112
Truck ¹	10 280	90.1	95 949	93.6	11 138	77.4	99
For-hire truck	5 645	49.5	26 063	25.4	8 227	57.2	399
Private truck	4 549	39.9	69 439	67.8	2 785	19.4	50
Rail	346	3.0	3 554	3.5	2 284	15.9	697
Water	S	S	S	S	S	S	720
Shallow draft	S	S	S	S	S	S	720
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	36	.3	S	S	S	S	1 213
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	452	4.0	1 048	1.0	455	3.2	862
Parcel, U.S. Postal Service or courier	355	3.1	27	—	19	.1	869
Truck and rail	95	.8	1 018	1.0	421	2.9	423
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	4 692
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	292	2.6	1 839	1.8	437	3.0	104
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	23 133	100.0	31 810	100.0	15 013	100.0	210
Single modes	21 817	94.3	29 415	92.5	13 309	88.6	175
Truck ¹	16 869	72.9	19 364	60.9	6 738	44.9	163
For-hire truck	10 370	44.8	11 102	34.9	5 775	38.5	488
Private truck	6 426	27.8	8 172	25.7	952	6.3	50
Rail	4 505	19.5	S	S	5 629	37.5	667
Water	S	S	S	S	S	S	731
Shallow draft	S	S	S	S	S	S	731
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	38	.2	S	S	S	S	1 363
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	449	1.9	871	2.7	1 201	8.0	592
Parcel, U.S. Postal Service or courier	314	1.4	22	—	12	—	588
Truck and rail	56	.2	S	S	S	S	1 294
Truck and water	S	S	S	S	S	S	2 227
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	867	3.7	1 524	4.8	503	3.3	76
SCTG 33, ARTICLES OF BASE METAL							
Total	28 083	100.0	18 168	100.0	6 561	100.0	284
Single modes	24 828	88.4	17 620	97.0	6 313	96.2	203
Truck ¹	23 884	85.0	16 171	89.0	5 733	87.4	180
For-hire truck	14 263	50.8	9 715	53.5	3 631	55.3	421
Private truck	9 392	33.4	6 334	34.9	2 049	31.2	105
Rail	686	2.4	1 428	7.9	S	S	627
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	258	.9	20	.1	27	.4	1 358
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 010	7.2	141	.8	113	1.7	579
Parcel, U.S. Postal Service or courier	1 961	7.0	124	.7	101	1.5	579
Truck and rail	S	S	S	S	S	S	1 436
Truck and water	S	S	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 245	4.4	407	2.2	135	2.1	62

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	37 880	100.0	4 532	100.0	2 423	100.0	289
Single modes	31 989	84.4	4 186	92.4	2 257	93.2	215
Truck ¹	30 753	81.2	4 146	91.5	2 204	91.0	170
For-hire truck	20 545	54.2	2 585	57.0	1 889	78.0	523
Private truck	10 016	26.4	1 501	33.1	285	11.8	66
Rail	116	.3	19	.4	29	1.2	1 223
Water	S	S	S	S	S	S	188
Shallow draft	S	S	S	S	S	S	188
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 119	3.0	21	.5	24	1.0	1 268
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	4 120	10.9	144	3.2	109	4.5	473
Parcel, U.S. Postal Service or courier	3 933	10.4	101	2.2	52	2.1	472
Truck and rail	S	S	S	S	S	S	1 496
Truck and water	S	S	S	S	S	S	2 045
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 771	4.7	202	4.5	56	2.3	54
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	118 048	100.0	5 192	100.0	3 258	100.0	533
Single modes	89 103	75.5	4 810	92.6	3 047	93.5	400
Truck ¹	78 275	66.3	4 683	90.2	2 896	88.9	309
For-hire truck	64 953	55.0	3 498	67.4	2 589	79.5	780
Private truck	13 002	11.0	1 158	22.3	278	8.5	53
Rail	S	S	51	1.0	54	1.7	1 253
Water	S	S	S	S	S	S	106
Shallow draft	S	S	S	S	S	S	106
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	10 487	8.9	76	1.5	97	3.0	1 352
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	26 379	22.3	252	4.9	172	5.3	750
Parcel, U.S. Postal Service or courier	26 240	22.2	244	4.7	160	4.9	750
Truck and rail	S	S	S	S	S	S	1 445
Truck and water	S	S	S	S	S	S	3 272
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 565	2.2	130	2.5	39	1.2	46
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	28 092	100.0	3 728	100.0	1 805	100.0	236
Single modes	24 363	86.7	3 272	87.8	1 690	93.6	153
Truck ¹	19 380	69.0	2 816	75.6	1 109	61.4	115
For-hire truck	9 160	32.6	1 125	30.2	733	40.6	414
Private truck	10 209	36.3	1 688	45.3	374	20.7	50
Rail	4 809	17.1	448	12.0	573	31.7	1 134
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	174	.6	7	.2	8	.4	1 296
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 416	5.0	72	1.9	44	2.4	641
Parcel, U.S. Postal Service or courier	1 416	5.0	72	1.9	44	2.4	641
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 313	8.2	384	10.3	72	4.0	53

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	7 400	100.0	640	100.0	343	100.0	608
Single modes	6 276	84.8	614	96.0	206	60.1	432
Truck ¹	4 409	59.6	323	50.5	129	37.7	268
For-hire truck	2 832	38.3	44	6.8	45	13.1	635
Private truck	1 576	21.3	280	43.7	84	24.6	182
Rail	715	9.7	S	S	S	S	791
Water	266	3.6	S	S	S	S	64
Shallow draft	266	3.6	S	S	S	S	64
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	886	12.0	4	.6	5	1.4	1 365
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	935	12.6	4	.7	4	1.1	861
Parcel, U.S. Postal Service or courier	935	12.6	4	.7	4	1.1	861
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	189	2.6	S	S	S	S	S
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	15 384	100.0	192	100.0	113	100.0	931
Single modes	4 732	30.8	112	58.0	49	43.5	355
Truck ¹	3 794	24.7	108	56.2	44	39.1	123
For-hire truck	1 903	12.4	56	29.2	33	29.2	443
Private truck	1 888	12.3	51	26.8	S	S	47
Rail	S	S	S	S	S	S	1 706
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	913	5.9	3	1.4	3	3.0	1 337
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 001
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 001
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	351	2.3	9	4.4	3	2.8	343
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	12 596	100.0	1 997	100.0	842	100.0	463
Single modes	12 076	95.9	1 931	96.7	803	95.4	329
Truck ¹	11 947	94.8	1 918	96.1	777	92.3	315
For-hire truck	3 453	27.4	598	30.0	524	62.2	790
Private truck	8 495	67.4	1 320	66.1	253	30.1	111
Rail	22	.2	11	.6	S	S	2 099
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	2	—	S	S	1 120
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	353	2.8	40	2.0	S	S	879
Parcel, U.S. Postal Service or courier	353	2.8	40	2.0	S	S	879
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	167	1.3	25	1.3	7	.8	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	40 039	100.0	9 113	100.0	4 117	100.0	583
Single modes	31 638	79.0	8 504	93.3	3 738	90.8	311
Truck ¹	25 219	63.0	8 154	89.5	3 165	76.9	189
For-hire truck	14 352	35.8	4 451	48.8	2 505	60.8	492
Private truck	10 697	26.7	3 685	40.4	654	15.9	79
Rail	125	.3	339	3.7	556	13.5	1 163
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	12	.1	18	.4	1 210
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	7 069	17.7	298	3.3	253	6.1	822
Parcel, U.S. Postal Service or courier	6 790	17.0	206	2.3	153	3.7	820
Truck and rail	275	.7	91	1.0	94	2.3	1 666
Truck and water	S	S	S	S	S	S	7 518
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	4 406
Other and unknown modes	1 333	3.3	310	3.4	126	3.1	S
SCTG 41, WASTE AND SCRAP							
Total	2 098	100.0	11 773	100.0	2 732	100.0	166
Single modes	1 942	92.6	10 445	88.7	2 383	87.2	162
Truck ¹	1 470	70.1	6 582	55.9	1 077	39.4	144
For-hire truck	834	39.7	3 876	32.9	746	27.3	185
Private truck	636	30.3	2 697	22.9	331	12.1	106
Rail	403	19.2	3 305	28.1	922	33.7	292
Water	69	3.3	558	4.7	384	14.1	692
Shallow draft	69	3.3	558	4.7	384	14.1	692
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	100	4.8	S	S	330	12.1	1 077
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	54	2.6	173	1.5	S	S	1 106
Truck and water	S	S	S	S	S	S	386
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 43, MIXED FREIGHT							
Total	25 621	100.0	10 899	100.0	1 843	100.0	113
Single modes	24 614	96.1	10 373	95.2	1 742	94.5	128
Truck ¹	24 611	96.1	10 372	95.2	1 742	94.5	128
For-hire truck	2 271	8.9	1 366	12.5	277	15.1	198
Private truck	22 222	86.7	8 933	82.0	1 457	79.0	123
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	917
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	17	.2	1	—	S
Parcel, U.S. Postal Service or courier	S	S	17	.2	1	—	S
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	4 186	100.0	4 242	100.0	1 584	100.0	432
Single modes	3 645	87.1	4 110	96.9	1 561	98.5	174
Truck ¹	2 993	71.5	1 986	46.8	556	35.1	153
For-hire truck	1 090	26.1	852	20.1	385	24.3	412
Private truck	S	S	1 134	26.7	171	10.8	90
Rail	197	4.7	566	13.3	S	S	946
Water	S	S	S	S	S	S	509
Shallow draft	S	S	S	S	S	S	509
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 610
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	314	7.5	14	.3	S	S	795
Parcel, U.S. Postal Service or courier	303	7.2	5	.1	4	.2	794
Truck and rail	S	S	S	S	S	S	S
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	3 083
Other and unknown modes	228	5.4	118	2.8	11	.7	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	815 886	1 705 530	418 597
Less than 50 miles	269 880	986 461	19 356
50 to 99 miles	51 112	142 252	12 866
100 to 249 miles	131 804	205 713	43 153
250 to 499 miles	100 777	127 678	53 627
500 to 749 miles	61 867	88 748	73 719
750 to 999 miles	71 665	80 803	87 655
1,000 to 1,499 miles	106 226	64 499	107 455
1,500 to 1,999 miles	20 886	8 832	19 143
2,000 miles or more	1 669	544	1 622
SCTG 01, Live animals and live fish	560	428	87
Less than 50 miles	236	S	S
50 to 99 miles	57	39	3
100 to 249 miles	55	32	7
250 to 499 miles	169	113	54
500 to 749 miles	31	12	9
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	9 384	70 162	7 528
Less than 50 miles	7 589	57 571	1 845
50 to 99 miles	234	1 989	195
100 to 249 miles	656	4 308	843
250 to 499 miles	383	3 116	1 520
500 to 749 miles	369	2 552	2 295
750 to 999 miles	126	482	605
1,000 to 1,499 miles	23	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 03, Other agricultural products	9 053	25 815	5 146
Less than 50 miles	5 868	18 422	633
50 to 99 miles	566	1 256	S
100 to 249 miles	971	S	S
250 to 499 miles	706	1 737	950
500 to 749 miles	160	468	391
750 to 999 miles	288	483	541
1,000 to 1,499 miles	331	646	969
1,500 to 1,999 miles	161	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	10 690	35 085	5 125
Less than 50 miles	4 046	21 873	674
50 to 99 miles	S	3 745	329
100 to 249 miles	1 911	4 389	855
250 to 499 miles	1 489	2 861	1 204
500 to 749 miles	599	1 527	1 113
750 to 999 miles	449	319	352
1,000 to 1,499 miles	304	312	472
1,500 to 1,999 miles	58	59	126
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	22 642	11 150	5 342
Less than 50 miles	5 402	2 690	71
50 to 99 miles	2 303	1 221	119
100 to 249 miles	3 321	1 801	366
250 to 499 miles	3 655	2 111	886
500 to 749 miles	2 105	1 076	804
750 to 999 miles	2 327	815	861
1,000 to 1,499 miles	2 861	1 159	1 699
1,500 to 1,999 miles	667	278	537
2,000 miles or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	11 444	9 339	3 946
Less than 50 miles	3 022	2 476	61
50 to 99 miles	1 098	974	90
100 to 249 miles	3 997	1 956	398
250 to 499 miles	1 371	1 646	680
500 to 749 miles	618	677	526
750 to 999 miles	594	764	862
1,000 to 1,499 miles	600	712	1 041
1,500 to 1,999 miles	143	132	275
2,000 miles or more	S	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	38 950	37 895	10 367
Less than 50 miles	12 869	15 057	335
50 to 99 miles	6 076	4 913	453
100 to 249 miles	8 512	7 517	1 446
250 to 499 miles	4 524	4 947	2 102
500 to 749 miles	2 399	2 560	1 956
750 to 999 miles	1 797	1 131	1 194
1,000 to 1,499 miles	2 217	1 454	2 200
1,500 to 1,999 miles	548	314	677
2,000 miles or more	S	S	S

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	8 588	7 378	1 306
Less than 50 miles	5 418	4 391	78
50 to 99 miles	631	395	34
100 to 249 miles	1 202	1 292	263
250 to 499 miles	545	731	297
500 to 749 miles	204	S	S
750 to 999 miles	145	149	154
1,000 to 1,499 miles	418	173	267
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 09, Tobacco products	1 554	82	9
Less than 50 miles	975	48	1
50 to 99 miles	S	10	1
100 to 249 miles	184	S	S
250 to 499 miles	S	9	3
500 to 749 miles	—	—	—
750 to 999 miles	—	—	—
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 10, Monumental or building stone	234	816	S
Less than 50 miles	91	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	1	1
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 11, Natural sands	503	73 534	4 124
Less than 50 miles	296	58 151	1 013
50 to 99 miles	53	8 860	760
100 to 249 miles	75	4 650	979
250 to 499 miles	33	S	S
500 to 749 miles	S	387	342
750 to 999 miles	S	S	S
1,000 to 1,499 miles	11	203	328
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 12, Gravel and crushed stone	726	131 498	7 231
Less than 50 miles	502	90 283	1 993
50 to 99 miles	140	29 908	2 691
100 to 249 miles	76	10 660	2 224
250 to 499 miles	5	525	224
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	1 077	49 670	12 935
Less than 50 miles	301	S	S
50 to 99 miles	115	3 545	333
100 to 249 miles	172	2 857	S
250 to 499 miles	184	1 292	633
500 to 749 miles	172	S	S
750 to 999 miles	72	2 756	3 650
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	1 108	S	2 495
Less than 50 miles	S	S	S
50 to 99 miles	S	35	3
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	54	102	73
750 to 999 miles	162	729	947
1,000 to 1,499 miles	155	516	884
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 15, Coal	695	53 995	731
Less than 50 miles	651	52 746	438
50 to 99 miles	10	302	42
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	46 250	311 370	83 880
Less than 50 miles	28 057	184 628	2 173
50 to 99 miles	2 430	10 056	844
100 to 249 miles	5 638	27 273	4 931
250 to 499 miles	5 241	26 609	8 814
500 to 749 miles	2 347	25 000	19 784
750 to 999 miles	1 585	28 112	26 264
1,000 to 1,499 miles	939	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	26 904	158 890	21 132
Less than 50 miles	19 180	113 902	2 299
50 to 99 miles	1 528	9 045	856
100 to 249 miles	3 592	19 433	3 585
250 to 499 miles	628	4 275	1 675
500 to 749 miles	847	5 046	3 988
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	29 109	138 935	30 748
Less than 50 miles	13 537	87 250	1 626
50 to 99 miles	2 545	12 147	1 138
100 to 249 miles	3 720	14 759	2 982
250 to 499 miles	3 007	8 714	3 999
500 to 749 miles	2 754	7 426	6 530
750 to 999 miles	1 303	2 398	2 809
1,000 to 1,499 miles	1 957	5 817	10 675
1,500 to 1,999 miles	255	400	914
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	78 957	153 669	73 024
Less than 50 miles	23 861	56 545	1 073
50 to 99 miles	4 170	12 495	1 143
100 to 249 miles	8 483	20 871	5 151
250 to 499 miles	S	22 201	9 430
500 to 749 miles	4 512	8 381	7 403
750 to 999 miles	8 873	15 213	19 390
1,000 to 1,499 miles	S	16 938	27 113
1,500 to 1,999 miles	1 100	950	2 056
2,000 miles or more	S	S	S
SCTG 21, Pharmaceutical products	12 753	726	556
Less than 50 miles	3 505	98	2
50 to 99 miles	1 135	86	7
100 to 249 miles	2 641	113	22
250 to 499 miles	1 550	47	20
500 to 749 miles	783	86	64
750 to 999 miles	872	79	83
1,000 to 1,499 miles	1 564	165	245
1,500 to 1,999 miles	S	49	100
2,000 miles or more	S	S	S
SCTG 22, Fertilizers	4 831	25 496	11 480
Less than 50 miles	2 201	8 440	205
50 to 99 miles	222	1 413	138
100 to 249 miles	598	3 855	963
250 to 499 miles	638	4 813	2 301
500 to 749 miles	560	3 425	3 160
750 to 999 miles	502	2 954	3 706
1,000 to 1,499 miles	95	497	802
1,500 to 1,999 miles	14	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	20 948	14 388	7 536
Less than 50 miles	6 159	4 356	84
50 to 99 miles	923	683	63
100 to 249 miles	3 792	3 169	668
250 to 499 miles	2 927	1 813	754
500 to 749 miles	1 800	869	698
750 to 999 miles	1 683	993	1 026
1,000 to 1,499 miles	2 851	1 835	2 913
1,500 to 1,999 miles	763	S	1 243
2,000 miles or more	50	40	88
SCTG 24, Plastics and rubber	42 545	33 850	25 399
Less than 50 miles	9 931	7 967	188
50 to 99 miles	2 131	1 658	152
100 to 249 miles	4 563	3 327	711
250 to 499 miles	4 661	3 553	1 683
500 to 749 miles	5 380	4 121	3 371
750 to 999 miles	6 602	5 395	6 022
1,000 to 1,499 miles	7 616	6 328	9 917
1,500 to 1,999 miles	1 605	1 433	3 153
2,000 miles or more	S	S	S

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	1 317	55 255	4 252
Less than 50 miles	728	34 728	1 192
50 to 99 miles	230	10 596	851
100 to 249 miles	230	S	S
250 to 499 miles	74	425	164
500 to 749 miles	S	S	S
750 to 999 miles	S	30	32
1,000 to 1,499 miles	4	14	23
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	15 860	59 334	19 247
Less than 50 miles	3 729	17 376	528
50 to 99 miles	1 480	8 912	818
100 to 249 miles	4 672	S	S
250 to 499 miles	2 202	7 711	3 094
500 to 749 miles	1 311	3 175	2 604
750 to 999 miles	1 127	2 757	3 043
1,000 to 1,499 miles	1 108	2 530	4 245
1,500 to 1,999 miles	228	411	923
2,000 miles or more	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	12 555	19 679	14 713
Less than 50 miles	2 796	2 604	43
50 to 99 miles	546	994	110
100 to 249 miles	1 574	2 543	604
250 to 499 miles	1 790	3 321	1 564
500 to 749 miles	1 986	3 810	3 203
750 to 999 miles	1 655	3 080	3 365
1,000 to 1,499 miles	1 627	2 472	3 981
1,500 to 1,999 miles	574	848	1 812
2,000 miles or more	S	S	S
SCTG 28, Paper or paperboard articles	10 077	6 976	2 267
Less than 50 miles	3 619	2 623	51
50 to 99 miles	627	677	60
100 to 249 miles	2 171	1 438	280
250 to 499 miles	1 331	901	378
500 to 749 miles	606	408	310
750 to 999 miles	842	478	481
1,000 to 1,499 miles	777	399	590
1,500 to 1,999 miles	99	48	101
2,000 miles or more	S	S	S
SCTG 29, Printed products	14 259	7 673	1 210
Less than 50 miles	6 894	5 872	59
50 to 99 miles	495	308	27
100 to 249 miles	1 238	439	89
250 to 499 miles	1 014	334	152
500 to 749 miles	1 031	212	151
750 to 999 miles	1 161	168	175
1,000 to 1,499 miles	1 792	222	319
1,500 to 1,999 miles	610	118	234
2,000 miles or more	24	1	4
SCTG 30, Textiles, leather, and articles of textiles or leather	28 345	3 763	1 648
Less than 50 miles	6 646	863	13
50 to 99 miles	777	74	7
100 to 249 miles	5 408	S	S
250 to 499 miles	6 543	S	S
500 to 749 miles	2 550	230	184
750 to 999 miles	1 945	222	234
1,000 to 1,499 miles	3 327	283	423
1,500 to 1,999 miles	1 108	81	166
2,000 miles or more	40	S	S
SCTG 31, Nonmetallic mineral products	11 407	102 475	14 392
Less than 50 miles	4 282	66 376	1 035
50 to 99 miles	803	8 044	719
100 to 249 miles	2 047	16 853	3 463
250 to 499 miles	1 205	5 057	2 167
500 to 749 miles	883	2 138	1 590
750 to 999 miles	895	1 614	1 710
1,000 to 1,499 miles	1 144	2 077	2 990
1,500 to 1,999 miles	146	315	702
2,000 miles or more	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	23 133	31 810	15 013
Less than 50 miles	6 764	10 519	195
50 to 99 miles	1 207	1 522	138
100 to 249 miles	3 672	5 395	1 124
250 to 499 miles	3 440	5 604	2 906
500 to 749 miles	2 439	3 242	2 557
750 to 999 miles	2 815	2 888	3 410
1,000 to 1,499 miles	1 957	1 914	2 961
1,500 to 1,999 miles	415	496	1 137
2,000 miles or more	423	229	586

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	28 083	18 168	6 561
Less than 50 miles	10 472	6 435	116
50 to 99 miles	1 851	1 745	165
100 to 249 miles	4 325	2 790	560
250 to 499 miles	4 311	3 055	1 305
500 to 749 miles	2 086	2 161	1 653
750 to 999 miles	1 743	725	774
1,000 to 1,499 miles	2 502	952	1 391
1,500 to 1,999 miles	778	304	595
2,000 miles or more	14	1	3
SCTG 34, Machinery	37 880	4 532	2 423
Less than 50 miles	10 026	1 121	27
50 to 99 miles	2 314	298	29
100 to 249 miles	5 574	747	138
250 to 499 miles	5 759	665	300
500 to 749 miles	3 550	528	395
750 to 999 miles	4 473	506	531
1,000 to 1,499 miles	5 474	583	834
1,500 to 1,999 miles	659	75	151
2,000 miles or more	50	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	118 048	5 192	3 258
Less than 50 miles	27 129	1 336	32
50 to 99 miles	3 035	254	27
100 to 249 miles	19 607	842	192
250 to 499 miles	7 223	461	209
500 to 749 miles	7 574	589	425
750 to 999 miles	15 348	628	665
1,000 to 1,499 miles	31 577	892	1 324
1,500 to 1,999 miles	6 008	174	343
2,000 miles or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	28 092	3 728	1 805
Less than 50 miles	6 963	1 017	23
50 to 99 miles	1 868	370	32
100 to 249 miles	3 971	566	114
250 to 499 miles	4 987	658	293
500 to 749 miles	3 741	378	301
750 to 999 miles	3 202	326	366
1,000 to 1,499 miles	2 827	361	566
1,500 to 1,999 miles	519	52	110
2,000 miles or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	7 400	640	343
Less than 50 miles	1 640	158	3
50 to 99 miles	127	S	S
100 to 249 miles	1 164	251	50
250 to 499 miles	941	99	S
500 to 749 miles	650	36	27
750 to 999 miles	353	S	S
1,000 to 1,499 miles	1 243	25	35
1,500 to 1,999 miles	1 243	6	13
2,000 miles or more	S	S	S
SCTG 38, Precision instruments and apparatus	15 384	192	113
Less than 50 miles	2 426	61	1
50 to 99 miles	483	11	1
100 to 249 miles	1 427	17	4
250 to 499 miles	1 345	23	10
500 to 749 miles	S	21	15
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	35	51
1,500 to 1,999 miles	S	5	10
2,000 miles or more	14	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12 596	1 997	842
Less than 50 miles	3 737	581	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	86
250 to 499 miles	S	251	97
500 to 749 miles	752	180	137
750 to 999 miles	985	185	190
1,000 to 1,499 miles	943	171	252
1,500 to 1,999 miles	149	26	51
2,000 miles or more	S	S	S
SCTG 40, Miscellaneous manufactured products	40 039	9 113	4 117
Less than 50 miles	8 411	2 289	51
50 to 99 miles	2 114	861	76
100 to 249 miles	5 636	1 988	395
250 to 499 miles	6 136	1 457	619
500 to 749 miles	4 049	818	592
750 to 999 miles	4 268	723	765
1,000 to 1,499 miles	7 793	804	1 260
1,500 to 1,999 miles	1 515	166	338
2,000 miles or more	117	7	21

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	2 098	11 773	2 732
Less than 50 miles	736	5 498	124
50 to 99 miles	116	820	87
100 to 249 miles	447	2 748	623
250 to 499 miles	385	1 976	1 017
500 to 749 miles	159	262	203
750 to 999 miles	78	177	186
1,000 to 1,499 miles	175	254	405
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 43, Mixed freight	25 621	10 899	1 843
Less than 50 miles	7 487	3 510	100
50 to 99 miles	3 483	1 675	154
100 to 249 miles	10 154	4 341	879
250 to 499 miles	S	1 017	391
500 to 749 miles	S	S	S
750 to 999 miles	312	121	129
1,000 to 1,499 miles	77	S	45
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
Commodity unknown	4 186	4 242	1 584
Less than 50 miles	1 289	1 410	34
50 to 99 miles	S	127	12
100 to 249 miles	1 392	1 002	207
250 to 499 miles	483	S	S
500 to 749 miles	190	S	S
750 to 999 miles	210	147	S
1,000 to 1,499 miles	258	167	268
1,500 to 1,999 miles	108	S	S
2,000 miles or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	815 886	1 705 530	418 597
Less than 50 lb	79 085	1 777	661
50 to 99 lb	21 480	1 378	332
100 to 499 lb	68 219	8 590	1 710
500 to 749 lb	18 863	4 049	665
750 to 999 lb	13 931	3 506	685
1,000 to 9,999 lb	142 065	56 574	11 892
10,000 to 49,999 lb	254 852	487 166	102 109
50,000 to 99,999 lb	36 468	248 428	22 080
100,000 lb or more	180 923	894 065	278 462
SCTG 01, Live animals and live fish	560	428	87
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	—	S
1,000 to 9,999 lb	S	S	2
10,000 to 49,999 lb	221	178	41
50,000 to 99,999 lb	107	82	22
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	9 384	70 162	7 528
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	5	16	1
500 to 749 lb	2	8	1
750 to 999 lb	2	S	S
1,000 to 9,999 lb	S	283	S
10,000 to 49,999 lb	316	1 908	479
50,000 to 99,999 lb	1 645	13 738	1 327
100,000 lb or more	7 214	54 197	5 688
SCTG 03, Other agricultural products	9 053	25 815	5 146
Less than 50 lb	153	20	1
50 to 99 lb	113	33	1
100 to 499 lb	385	341	11
500 to 749 lb	206	181	8
750 to 999 lb	116	126	6
1,000 to 9,999 lb	1 157	1 419	271
10,000 to 49,999 lb	2 014	5 292	2 421
50,000 to 99,999 lb	276	1 178	132
100,000 lb or more	4 633	17 225	2 295
SCTG 04, Animal feed and products of animal origin, n.e.c.	10 690	35 085	5 125
Less than 50 lb	16	S	S
50 to 99 lb	24	S	1
100 to 499 lb	176	363	6
500 to 749 lb	62	S	4
750 to 999 lb	41	76	5
1,000 to 9,999 lb	945	1 816	141
10,000 to 49,999 lb	6 858	19 449	2 733
50,000 to 99,999 lb	1 585	9 419	1 242
100,000 lb or more	983	3 686	994
SCTG 05, Meat, fish, seafood, and their preparations	22 642	11 150	5 342
Less than 50 lb	73	12	1
50 to 99 lb	98	25	1
100 to 499 lb	838	270	19
500 to 749 lb	480	157	18
750 to 999 lb	323	147	19
1,000 to 9,999 lb	4 485	2 003	545
10,000 to 49,999 lb	15 581	7 970	4 402
50,000 to 99,999 lb	194	167	136
100,000 lb or more	S	399	202
SCTG 06, Milled grain products and preparations, and bakery products	11 444	9 339	3 946
Less than 50 lb	56	S	1
50 to 99 lb	S	S	S
100 to 499 lb	530	262	21
500 to 749 lb	S	125	19
750 to 999 lb	S	151	22
1,000 to 9,999 lb	3 476	1 409	317
10,000 to 49,999 lb	5 293	4 507	2 106
50,000 to 99,999 lb	S	S	200
100,000 lb or more	597	1 346	1 258
SCTG 07, Other prepared foodstuffs and fats and oils	38 950	37 895	10 367
Less than 50 lb	444	69	S
50 to 99 lb	279	105	9
100 to 499 lb	1 787	1 157	67
500 to 749 lb	896	539	31
750 to 999 lb	729	486	35
1,000 to 9,999 lb	6 133	4 800	599
10,000 to 49,999 lb	25 549	23 041	7 055
50,000 to 99,999 lb	1 323	3 016	331
100,000 lb or more	1 811	4 681	2 225

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	8 588	7 378	1 306
Less than 50 lb	100	21	1
50 to 99 lb	131	44	1
100 to 499 lb	1 254	678	15
500 to 749 lb	590	379	10
750 to 999 lb	445	336	9
1,000 to 9,999 lb	2 857	2 388	71
10,000 to 49,999 lb	2 738	2 788	911
50,000 to 99,999 lb	298	440	117
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	1 554	82	9
Less than 50 lb	174	5	—
50 to 99 lb	239	7	—
100 to 499 lb	603	27	S
500 to 749 lb	124	7	1
750 to 999 lb	S	S	S
1,000 to 9,999 lb	273	27	4
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	234	816	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	3	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	39	28	1
10,000 to 49,999 lb	S	751	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 11, Natural sands	503	73 534	4 124
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	2	S
500 to 749 lb	—	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	17	432	20
10,000 to 49,999 lb	220	38 218	930
50,000 to 99,999 lb	192	28 777	1 403
100,000 lb or more	64	6 100	1 769
SCTG 12, Gravel and crushed stone	726	131 498	7 231
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	1	S
750 to 999 lb	S	S	—
1,000 to 9,999 lb	6	249	6
10,000 to 49,999 lb	399	69 195	2 603
50,000 to 99,999 lb	235	44 222	2 363
100,000 lb or more	85	17 828	2 259
SCTG 13, Nonmetallic minerals n.e.c.	1 077	49 670	12 935
Less than 50 lb	8	1	S
50 to 99 lb	4	2	S
100 to 499 lb	29	12	S
500 to 749 lb	S	S	S
750 to 999 lb	4	3	S
1,000 to 9,999 lb	91	374	34
10,000 to 49,999 lb	654	S	1 994
50,000 to 99,999 lb	63	S	442
100,000 lb or more	219	13 079	10 460
SCTG 14, Metallic ores and concentrates	1 108	S	2 495
Less than 50 lb	S	S	S
50 to 99 lb	2	S	S
100 to 499 lb	13	3	—
500 to 749 lb	S	S	—
750 to 999 lb	S	S	S
1,000 to 9,999 lb	39	S	8
10,000 to 49,999 lb	S	S	328
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	2 142
SCTG 15, Coal	695	53 995	731
Less than 50 lb	—	—	—
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	15	343	S
50,000 to 99,999 lb	35	1 916	78
100,000 lb or more	630	51 722	569

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	46 250	311 370	83 880
Less than 50 lb	S	S	S
50 to 99 lb	3	9	—
100 to 499 lb	33	93	1
500 to 749 lb	S	15	—
750 to 999 lb	21	23	1
1,000 to 9,999 lb	2 216	3 247	126
10,000 to 49,999 lb	3 282	12 018	860
50,000 to 99,999 lb	8 680	32 609	1 942
100,000 lb or more	31 993	263 353	80 950
SCTG 18, Fuel oils	26 904	158 890	21 132
Less than 50 lb	S	4	S
50 to 99 lb	S	11	—
100 to 499 lb	67	141	2
500 to 749 lb	69	120	3
750 to 999 lb	52	87	2
1,000 to 9,999 lb	1 461	3 788	101
10,000 to 49,999 lb	1 872	9 479	521
50,000 to 99,999 lb	2 916	14 378	808
100,000 lb or more	20 452	130 883	19 696
SCTG 19, Coal and petroleum products, n.e.c.	29 109	138 935	30 748
Less than 50 lb	159	32	S
50 to 99 lb	119	43	S
100 to 499 lb	478	342	S
500 to 749 lb	92	S	6
750 to 999 lb	143	212	S
1,000 to 9,999 lb	1 337	1 938	S
10,000 to 49,999 lb	6 624	30 061	6 591
50,000 to 99,999 lb	836	4 191	569
100,000 lb or more	19 321	102 014	22 972
SCTG 20, Basic chemicals	78 957	153 669	73 024
Less than 50 lb	283	19	3
50 to 99 lb	121	34	4
100 to 499 lb	513	409	23
500 to 749 lb	148	155	9
750 to 999 lb	161	S	11
1,000 to 9,999 lb	2 221	1 481	S
10,000 to 49,999 lb	22 148	30 812	11 793
50,000 to 99,999 lb	1 615	4 375	1 103
100,000 lb or more	51 746	116 231	59 593
SCTG 21, Pharmaceutical products	12 753	726	556
Less than 50 lb	4 991	60	23
50 to 99 lb	1 217	23	7
100 to 499 lb	2 526	68	24
500 to 749 lb	384	19	6
750 to 999 lb	S	14	S
1,000 to 9,999 lb	1 489	109	32
10,000 to 49,999 lb	1 472	433	458
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	4 831	25 496	11 480
Less than 50 lb	1	—	—
50 to 99 lb	2	S	—
100 to 499 lb	12	S	1
500 to 749 lb	7	13	1
750 to 999 lb	3	5	—
1,000 to 9,999 lb	301	1 167	54
10,000 to 49,999 lb	1 626	5 485	925
50,000 to 99,999 lb	440	3 298	444
100,000 lb or more	2 441	15 500	10 054
SCTG 23, Chemical products and preparations, n.e.c.	20 948	14 388	7 536
Less than 50 lb	1 154	67	15
50 to 99 lb	415	45	9
100 to 499 lb	1 147	225	50
500 to 749 lb	399	101	25
750 to 999 lb	362	91	28
1,000 to 9,999 lb	3 651	1 191	497
10,000 to 49,999 lb	10 168	7 625	4 197
50,000 to 99,999 lb	268	711	142
100,000 lb or more	3 385	4 332	2 573
SCTG 24, Plastics and rubber	42 545	33 850	25 399
Less than 50 lb	1 902	82	24
50 to 99 lb	714	75	20
100 to 499 lb	2 286	333	90
500 to 749 lb	622	141	44
750 to 999 lb	496	107	42
1,000 to 9,999 lb	6 174	2 250	1 102
10,000 to 49,999 lb	15 474	11 771	6 859
50,000 to 99,999 lb	358	370	107
100,000 lb or more	14 519	18 720	17 111

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	1 317	55 255	4 252
Less than 50 lb	—	S	S
50 to 99 lb	S	S	S
100 to 499 lb	1	1	S
500 to 749 lb	1	S	—
750 to 999 lb	S	S	—
1,000 to 9,999 lb	26	S	7
10,000 to 49,999 lb	368	7 631	676
50,000 to 99,999 lb	821	40 344	2 115
100,000 lb or more	S	S	S
SCTG 26, Wood products	15 860	59 334	19 247
Less than 50 lb	147	14	S
50 to 99 lb	103	17	3
100 to 499 lb	569	144	20
500 to 749 lb	168	79	10
750 to 999 lb	171	77	12
1,000 to 9,999 lb	2 072	1 814	304
10,000 to 49,999 lb	7 919	26 258	6 464
50,000 to 99,999 lb	1 357	10 533	1 845
100,000 lb or more	3 355	20 399	10 582
SCTG 27, Pulp, newsprint, paper, and paperboard	12 555	19 679	14 713
Less than 50 lb	75	10	1
50 to 99 lb	67	15	1
100 to 499 lb	264	110	17
500 to 749 lb	89	53	7
750 to 999 lb	64	36	6
1,000 to 9,999 lb	841	650	139
10,000 to 49,999 lb	7 435	9 533	5 931
50,000 to 99,999 lb	419	938	559
100,000 lb or more	3 299	8 334	8 052
SCTG 28, Paper or paperboard articles	10 077	6 976	2 267
Less than 50 lb	461	44	9
50 to 99 lb	232	50	S
100 to 499 lb	583	177	24
500 to 749 lb	202	93	11
750 to 999 lb	120	55	8
1,000 to 9,999 lb	2 132	1 591	229
10,000 to 49,999 lb	6 155	4 668	1 808
50,000 to 99,999 lb	63	102	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	14 259	7 673	1 210
Less than 50 lb	3 614	244	102
50 to 99 lb	723	80	26
100 to 499 lb	2 241	343	98
500 to 749 lb	565	203	24
750 to 999 lb	528	230	21
1,000 to 9,999 lb	4 011	2 450	244
10,000 to 49,999 lb	2 290	2 011	557
50,000 to 99,999 lb	39	S	S
100,000 lb or more	S	S	35
SCTG 30, Textiles, leather, and articles of textiles or leather	28 345	3 763	1 648
Less than 50 lb	3 996	108	91
50 to 99 lb	832	40	34
100 to 499 lb	1 666	134	105
500 to 749 lb	750	58	25
750 to 999 lb	320	37	18
1,000 to 9,999 lb	6 938	633	325
10,000 to 49,999 lb	9 735	1 704	790
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	11 407	102 475	14 392
Less than 50 lb	470	S	9
50 to 99 lb	139	29	8
100 to 499 lb	496	147	25
500 to 749 lb	106	68	11
750 to 999 lb	103	58	7
1,000 to 9,999 lb	1 151	2 409	305
10,000 to 49,999 lb	7 233	71 699	9 513
50,000 to 99,999 lb	1 206	20 175	2 135
100,000 lb or more	504	7 845	2 378
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	23 133	31 810	15 013
Less than 50 lb	395	26	6
50 to 99 lb	308	34	6
100 to 499 lb	1 148	280	52
500 to 749 lb	523	155	31
750 to 999 lb	234	108	19
1,000 to 9,999 lb	4 269	3 216	632
10,000 to 49,999 lb	10 212	14 497	5 691
50,000 to 99,999 lb	672	1 830	559
100,000 lb or more	5 373	11 664	8 018

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	28 083	18 168	6 561
Less than 50 lb	2 560	97	31
50 to 99 lb	1 039	77	25
100 to 499 lb	3 280	430	145
500 to 749 lb	1 149	179	55
750 to 999 lb	909	162	67
1,000 to 9,999 lb	7 815	2 506	744
10,000 to 49,999 lb	7 850	9 891	4 011
50,000 to 99,999 lb	1 390	1 514	405
100,000 lb or more	2 090	3 312	1 077
SCTG 34, Machinery	37 880	4 532	2 423
Less than 50 lb	4 592	97	29
50 to 99 lb	1 646	72	18
100 to 499 lb	5 086	314	116
500 to 749 lb	1 324	135	48
750 to 999 lb	1 116	104	61
1,000 to 9,999 lb	11 661	1 290	659
10,000 to 49,999 lb	10 486	2 042	1 135
50,000 to 99,999 lb	909	236	135
100,000 lb or more	1 059	242	223
SCTG 35, Electronic and other electrical equipment and components and office equipment	118 048	5 192	3 258
Less than 50 lb	23 333	178	81
50 to 99 lb	8 250	123	68
100 to 499 lb	26 012	592	348
500 to 749 lb	4 593	197	100
750 to 999 lb	3 306	165	114
1,000 to 9,999 lb	28 316	1 749	1 001
10,000 to 49,999 lb	22 879	1 842	1 176
50,000 to 99,999 lb	974	S	S
100,000 lb or more	383	71	50
SCTG 36, Motorized and other vehicles (including parts)	28 092	3 728	1 805
Less than 50 lb	3 000	144	33
50 to 99 lb	1 098	80	16
100 to 499 lb	4 101	336	105
500 to 749 lb	1 076	74	26
750 to 999 lb	701	60	22
1,000 to 9,999 lb	7 393	949	492
10,000 to 49,999 lb	8 107	1 705	741
50,000 to 99,999 lb	S	313	S
100,000 lb or more	208	66	S
SCTG 37, Transportation equipment, n.e.c.	7 400	640	343
Less than 50 lb	1 213	S	4
50 to 99 lb	S	2	1
100 to 499 lb	970	7	4
500 to 749 lb	578	3	2
750 to 999 lb	S	2	2
1,000 to 9,999 lb	2 538	102	57
10,000 to 49,999 lb	803	213	70
50,000 to 99,999 lb	S	S	S
100,000 lb or more	422	282	S
SCTG 38, Precision instruments and apparatus	15 384	192	113
Less than 50 lb	S	S	S
50 to 99 lb	775	11	4
100 to 499 lb	1 674	39	10
500 to 749 lb	282	8	3
750 to 999 lb	253	10	5
1,000 to 9,999 lb	1 049	41	19
10,000 to 49,999 lb	387	16	16
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12 596	1 997	842
Less than 50 lb	404	18	S
50 to 99 lb	319	23	12
100 to 499 lb	2 105	174	75
500 to 749 lb	684	67	30
750 to 999 lb	244	47	21
1,000 to 9,999 lb	S	927	315
10,000 to 49,999 lb	S	716	375
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	40 039	9 113	4 117
Less than 50 lb	13 302	180	95
50 to 99 lb	1 439	78	34
100 to 499 lb	4 083	325	148
500 to 749 lb	1 428	161	71
750 to 999 lb	802	126	49
1,000 to 9,999 lb	9 751	1 815	745
10,000 to 49,999 lb	8 218	5 109	2 144
50,000 to 99,999 lb	306	441	146
100,000 lb or more	712	878	686

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	2 098	11 773	2 732
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	45	S	5
10,000 to 49,999 lb	1 297	5 979	1 074
50,000 to 99,999 lb	104	1 314	136
100,000 lb or more	647	4 401	1 515
SCTG 43, Mixed freight	25 621	10 899	1 843
Less than 50 lb	640	45	3
50 to 99 lb	299	38	5
100 to 499 lb	1 037	246	37
500 to 749 lb	613	198	22
750 to 999 lb	452	183	28
1,000 to 9,999 lb	7 172	3 564	632
10,000 to 49,999 lb	15 118	6 448	1 086
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	4 186	4 242	1 584
Less than 50 lb	403	9	3
50 to 99 lb	98	4	1
100 to 499 lb	199	18	4
500 to 749 lb	72	10	2
750 to 999 lb	48	7	1
1,000 to 9,999 lb	749	221	66
10,000 to 49,999 lb	S	1 463	463
50,000 to 99,999 lb	S	353	42
100,000 lb or more	631	2 156	1 001

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	815 886	1 705 530	418 597	365	269 880	986 461	19 356	51 112	142 252	12 866
Less than 50 lb	79 085	1 777	661	466	19 401	887	15	3 032	120	11
50 to 99 lb	21 480	1 378	332	236	7 440	846	14	1 253	97	8
100 to 499 lb	68 219	8 590	1 710	201	23 024	5 612	95	3 446	629	55
500 to 749 lb	18 863	4 049	665	164	7 498	2 646	47	1 142	316	28
750 to 999 lb	13 931	3 506	685	197	4 849	2 157	39	911	301	27
1,000 to 9,999 lb	142 065	56 574	11 892	203	48 886	33 160	647	9 400	4 800	432
10,000 to 49,999 lb	254 852	487 166	102 109	210	60 952	275 537	5 798	21 064	50 553	4 473
50,000 to 99,999 lb	36 468	248 428	22 080	87	19 582	162 624	4 320	3 402	47 379	4 104
100,000 lb or more	180 923	894 065	278 462	611	78 249	502 991	8 382	7 461	38 056	3 729
SCTG 01, Live animals and live fish	560	428	87	S	236	S	S	57	39	3
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	115	S	S	S	S	S	S
100 to 499 lb	S	S	S	228	S	S	S	S	S	S
500 to 749 lb	S	S	S	73	S	S	S	S	S	S
750 to 999 lb	S	—	S	62	S	—	—	S	S	S
1,000 to 9,999 lb	S	S	2	80	S	S	S	S	S	S
10,000 to 49,999 lb	221	178	41	221	57	79	3	32	22	2
50,000 to 99,999 lb	107	82	22	283	S	S	S	13	9	1
100,000 lb or more	S	S	S	148	S	S	S	S	S	S
SCTG 02, Cereal grains	9 384	70 162	7 528	86	7 589	57 571	1 845	234	1 989	195
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	5	16	1	112	4	14	—	—	—	—
500 to 749 lb	2	8	1	32	1	6	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	283	S	97	S	163	3	3	10	1
10,000 to 49,999 lb	316	1 908	479	232	127	815	29	23	168	17
50,000 to 99,999 lb	1 645	13 738	1 327	97	951	7 855	249	202	1 760	171
100,000 lb or more	7 214	54 197	5 688	428	6 433	48 706	1 564	S	S	S
SCTG 03, Other agricultural products	9 053	25 815	5 146	S	5 868	18 422	633	566	1 256	S
Less than 50 lb	153	20	1	S	131	17	—	12	2	—
50 to 99 lb	113	33	1	33	63	28	S	S	S	—
100 to 499 lb	385	341	11	S	300	296	5	39	S	S
500 to 749 lb	206	181	8	S	158	153	2	9	7	1
750 to 999 lb	116	126	6	S	82	101	2	22	15	1
1,000 to 9,999 lb	1 157	1 419	271	136	657	894	14	119	107	9
10,000 to 49,999 lb	2 014	5 292	2 421	405	542	2 081	59	173	519	47
50,000 to 99,999 lb	276	1 178	132	109	192	832	S	18	99	9
100,000 lb or more	4 633	17 225	2 295	528	3 743	14 021	516	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	10 690	35 085	5 125	S	4 046	21 873	674	S	3 745	329
Less than 50 lb	16	S	S	S	S	S	—	S	S	S
50 to 99 lb	24	S	1	S	S	S	—	—	—	—
100 to 499 lb	176	363	6	S	118	355	3	2	2	—
500 to 749 lb	62	S	4	S	S	S	S	2	2	—
750 to 999 lb	41	76	5	59	17	S	1	3	3	—
1,000 to 9,999 lb	945	1 816	141	56	416	1 381	31	81	123	11
10,000 to 49,999 lb	6 858	19 449	2 733	123	2 238	12 248	341	S	1 995	187
50,000 to 99,999 lb	1 585	9 419	1 242	129	826	5 330	156	183	1 377	112
100,000 lb or more	983	3 686	994	572	348	2 229	141	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	22 642	11 150	5 342	142	5 402	2 690	71	2 303	1 221	119
Less than 50 lb	73	12	1	74	51	10	S	S	1	—
50 to 99 lb	98	25	1	58	61	18	—	21	4	—
100 to 499 lb	838	270	19	63	590	183	4	134	50	4
500 to 749 lb	480	157	18	113	280	78	2	69	35	3
750 to 999 lb	323	147	19	S	158	71	2	55	34	3
1,000 to 9,999 lb	4 485	2 003	545	213	1 575	783	19	403	214	19
10,000 to 49,999 lb	15 581	7 970	4 402	539	2 646	1 469	41	1 603	835	82
50,000 to 99,999 lb	194	167	136	795	S	S	S	S	S	S
100,000 lb or more	S	399	202	629	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	11 444	9 339	3 946	80	3 022	2 476	61	1 098	974	90
Less than 50 lb	56	S	1	S	42	S	S	3	1	—
50 to 99 lb	S	S	S	S	S	S	S	2	1	—
100 to 499 lb	530	262	21	62	251	188	2	S	24	2
500 to 749 lb	S	125	19	147	S	44	S	S	S	S
750 to 999 lb	S	151	22	144	147	44	1	S	S	S
1,000 to 9,999 lb	3 476	1 409	317	183	1 324	563	11	344	182	16
10,000 to 49,999 lb	5 293	4 507	2 106	436	794	779	21	338	410	39
50,000 to 99,999 lb	S	S	200	140	S	S	S	S	S	S
100,000 lb or more	597	1 346	1 258	1 004	45	73	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	38 950	37 895	10 367	227	12 869	15 057	335	6 076	4 913	453
Less than 50 lb	444	69	S	496	251	41	1	33	7	1
50 to 99 lb	279	105	9	83	177	74	2	38	9	1
100 to 499 lb	1 787	1 157	67	57	1 284	913	19	191	92	8
500 to 749 lb	896	539	31	57	609	422	8	107	61	5
750 to 999 lb	729	486	35	72	460	370	8	53	33	3
1,000 to 9,999 lb	6 133	4 800	599	109	3 420	3 157	61	560	489	44
10,000 to 49,999 lb	25 549	23 041	7 055	272	5 367	6 943	154	S	3 465	320
50,000 to 99,999 lb	1 323	3 016	331	112	S	S	S	S	S	63
100,000 lb or more	1 811	4 681	2 225	788	S	1 620	S	36	72	8
SCTG 08, Alcoholic beverages	8 588	7 378	1 306	29	5 418	4 391	78	631	395	34
Less than 50 lb	100	21	1	30	86	18	—	11	2	—
50 to 99 lb	131	44	1	27	112	39	1	9	3	—
100 to 499 lb	1 254	678	15	23	1 096	628	10	92	32	3
500 to 749 lb	590	379	10	25	514	351	6	28	14	1
750 to 999 lb	445	336	9	26	385	312	5	32	14	1
1,000 to 9,999 lb	2 857	2 388	71	26	2 428	2 200	36	211	101	8
10,000 to 49,999 lb	2 738	2 788	911	277	693	691	16	245	219	19
50,000 to 99,999 lb	298	440	117	227	97	147	S	S	S	S
100,000 lb or more	S	S	S	491	S	S	S	—	—	—
SCTG 09, Tobacco products	1 554	82	9	71	975	48	1	S	10	1
Less than 50 lb	174	5	—	59	128	4	—	14	—	—
50 to 99 lb	239	7	—	48	173	5	—	25	1	—
100 to 499 lb	603	27	S	103	317	14	—	S	S	S
500 to 749 lb	124	7	1	142	81	4	—	17	1	—
750 to 999 lb	S	S	S	86	S	S	S	S	S	S
1,000 to 9,999 lb	273	27	4	S	168	15	—	27	2	—
10,000 to 49,999 lb	S	S	S	184	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	234	816	S	176	91	S	S	S	S	S
Less than 50 lb	S	S	S	665	S	S	S	—	—	—
50 to 99 lb	S	S	S	252	S	S	S	—	—	—
100 to 499 lb	S	S	S	17	S	S	S	—	—	—
500 to 749 lb	S	S	S	113	S	S	S	—	—	—
750 to 999 lb	S	S	S	29	S	S	S	—	—	—
1,000 to 9,999 lb	39	28	1	42	31	25	1	S	S	S
10,000 to 49,999 lb	S	751	S	111	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	202	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	503	73 534	4 124	S	296	58 151	1 013	53	8 860	760
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	3	S	S	S	—	—	—
100 to 499 lb	S	2	S	222	S	1	S	S	S	S
500 to 749 lb	—	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	107	S	S	S	—	—	—
1,000 to 9,999 lb	17	432	20	S	9	361	S	S	S	S
10,000 to 49,999 lb	220	38 218	930	S	159	35 308	490	13	S	S
50,000 to 99,999 lb	192	28 777	1 403	49	121	21 363	487	24	S	S
100,000 lb or more	64	6 100	1 769	299	6	1 113	30	S	S	S
SCTG 12, Gravel and crushed stone	726	131 498	7 231	42	502	90 283	1 993	140	29 908	2 691
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	63	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	1	S	35	S	1	S	S	S	S
750 to 999 lb	S	S	—	S	S	S	S	S	S	S
1,000 to 9,999 lb	6	249	6	24	2	221	3	S	19	2
10,000 to 49,999 lb	399	69 195	2 603	35	319	54 355	1 078	57	12 277	1 015
50,000 to 99,999 lb	235	44 222	2 363	53	153	28 417	760	65	13 966	1 232
100,000 lb or more	85	17 828	2 259	147	27	7 287	151	16	S	S
SCTG 13, Nonmetallic minerals n.e.c.	1 077	49 670	12 935	102	301	S	S	115	3 545	333
Less than 50 lb	8	1	S	315	S	1	S	S	S	S
50 to 99 lb	4	2	S	S	S	1	—	S	S	S
100 to 499 lb	29	12	S	266	S	8	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	4	3	S	229	S	1	S	—	—	—
1,000 to 9,999 lb	91	374	34	S	30	298	6	S	27	2
10,000 to 49,999 lb	654	S	1 994	S	210	S	S	46	1 015	89
50,000 to 99,999 lb	63	S	442	101	22	S	S	20	S	S
100,000 lb or more	219	13 079	10 460	526	9	2 081	30	S	1 006	118

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	1 108	S	2 495	257	S	S	S	S	35	3
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	2	S	S	S	S	S	S	S	—	S
100 to 499 lb	13	3	—	150	S	S	S	S	S	S
500 to 749 lb	S	S	—	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	129	S	S	S	—	—	—
1,000 to 9,999 lb	39	S	8	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	328	486	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	151	S	S	S	—	—	—
100,000 lb or more	S	S	2 142	1 228	S	S	S	—	—	—
SCTG 15, Coal	695	53 995	731	61	651	52 746	438	10	302	42
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	57	S	S	S	—	—	—
100 to 499 lb	S	S	S	56	S	S	S	—	—	—
500 to 749 lb	S	S	S	43	S	S	S	S	S	S
750 to 999 lb	S	S	S	25	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	43	S	S	S	—	—	—
10,000 to 49,999 lb	15	343	S	242	3	105	3	S	S	S
50,000 to 99,999 lb	35	1 916	78	42	30	1 754	53	S	S	S
100,000 lb or more	630	51 722	569	S	605	50 877	382	4	141	18
SCTG 17, Gasoline and aviation turbine fuel	46 250	311 370	83 880	42	28 057	184 628	2 173	2 430	10 056	844
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	3	9	—	S	3	9	—	S	S	S
100 to 499 lb	33	93	1	10	32	92	1	S	S	S
500 to 749 lb	S	15	—	33	S	14	S	S	S	S
750 to 999 lb	21	23	1	27	18	20	—	S	S	S
1,000 to 9,999 lb	2 216	3 247	126	34	1 794	2 793	56	166	241	23
10,000 to 49,999 lb	3 282	12 018	860	64	2 269	8 837	179	566	2 129	193
50,000 to 99,999 lb	8 680	32 609	1 942	60	6 952	25 513	575	935	3 617	287
100,000 lb or more	31 993	263 353	80 950	212	16 969	147 347	1 361	S	4 066	340
SCTG 18, Fuel oils	26 904	158 890	21 132	28	19 180	113 902	2 299	1 528	9 045	856
Less than 50 lb	S	4	S	11	S	4	S	S	S	S
50 to 99 lb	S	11	—	13	S	11	—	S	S	S
100 to 499 lb	67	141	2	10	67	140	1	S	S	S
500 to 749 lb	69	120	3	22	66	112	1	S	S	S
750 to 999 lb	52	87	2	21	52	82	1	S	S	S
1,000 to 9,999 lb	1 461	3 788	101	23	1 208	3 461	52	100	174	14
10,000 to 49,999 lb	1 872	9 479	521	54	1 445	7 341	204	313	1 602	137
50,000 to 99,999 lb	2 916	14 378	808	56	2 387	11 529	258	332	1 783	150
100,000 lb or more	20 452	130 883	19 696	192	13 941	91 223	1 780	780	S	S
SCTG 19, Coal and petroleum products, n.e.c.	29 109	138 935	30 748	166	13 537	87 250	1 626	2 545	12 147	1 138
Less than 50 lb	159	32	S	145	123	27	S	5	1	—
50 to 99 lb	119	43	S	127	76	34	—	S	S	S
100 to 499 lb	478	342	S	124	335	276	4	42	S	2
500 to 749 lb	92	S	6	59	72	S	S	5	3	—
750 to 999 lb	143	212	S	186	104	158	3	16	16	1
1,000 to 9,999 lb	1 337	1 938	S	202	891	1 217	31	98	160	13
10,000 to 49,999 lb	6 624	30 061	6 591	255	1 879	17 582	S	579	2 157	189
50,000 to 99,999 lb	836	4 191	569	131	486	2 662	60	92	411	36
100,000 lb or more	19 321	102 014	22 972	475	9 572	65 206	1 121	1 699	9 371	896
SCTG 20, Basic chemicals ..	78 957	153 669	73 024	187	23 861	56 545	1 073	4 170	12 495	1 143
Less than 50 lb	283	19	3	173	142	14	—	17	1	—
50 to 99 lb	121	34	4	S	49	S	S	S	S	S
100 to 499 lb	513	409	23	S	331	377	S	14	7	1
500 to 749 lb	148	155	9	62	104	140	S	6	4	—
750 to 999 lb	161	S	11	68	S	S	S	7	5	—
1,000 to 9,999 lb	2 221	1 481	S	261	691	715	15	146	195	18
10,000 to 49,999 lb	22 148	30 812	11 793	397	5 497	10 248	234	1 064	3 902	363
50,000 to 99,999 lb	1 615	4 375	1 103	216	582	2 296	56	119	586	29
100,000 lb or more	51 746	116 231	59 593	755	16 370	42 594	754	2 785	7 792	712
SCTG 21, Pharmaceutical products	12 753	726	556	503	3 505	98	2	1 135	86	7
Less than 50 lb	4 991	60	23	520	1 237	17	—	371	6	1
50 to 99 lb	1 217	23	7	311	303	6	—	141	3	—
100 to 499 lb	2 526	68	24	320	1 128	19	1	185	8	1
500 to 749 lb	384	19	6	314	44	5	—	S	S	S
750 to 999 lb	S	14	S	444	42	3	—	S	S	—
1,000 to 9,999 lb	1 489	109	32	293	626	36	1	S	S	S
10,000 to 49,999 lb	1 472	433	458	1 071	—	S	S	70	35	3
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	116	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	4 831	25 496	11 480	111	2 201	8 440	205	222	1 413	138
Less than 50 lb	1	—	—	543	S	S	—	S	S	S
50 to 99 lb	2	S	—	13	2	S	—	S	S	S
100 to 499 lb	12	S	1	S	10	S	—	S	S	S
500 to 749 lb	7	13	1	71	3	9	—	S	S	S
750 to 999 lb	3	5	—	S	2	4	—	S	S	S
1,000 to 9,999 lb	301	1 167	54	S	231	1 032	24	17	53	5
10,000 to 49,999 lb	1 626	5 485	925	127	S	2 785	90	139	848	83
50,000 to 99,999 lb	440	3 298	444	137	198	1 548	S	59	452	45
100,000 lb or more	2 441	15 500	10 054	728	S	S	38	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	20 948	14 388	7 536	247	6 159	4 356	84	923	683	63
Less than 50 lb	1 154	67	15	232	524	37	1	75	5	—
50 to 99 lb	415	45	9	195	243	25	—	18	4	—
100 to 499 lb	1 147	225	50	222	602	122	2	81	19	2
500 to 749 lb	399	101	25	249	188	50	1	30	11	1
750 to 999 lb	362	91	28	304	157	38	1	25	11	1
1,000 to 9,999 lb	3 651	1 191	497	378	1 248	478	12	195	88	8
10,000 to 49,999 lb	10 168	7 625	4 197	535	1 920	1 703	44	440	435	40
50,000 to 99,999 lb	268	711	142	S	171	353	S	16	80	7
100,000 lb or more	3 385	4 332	2 573	930	S	S	14	S	S	S
SCTG 24, Plastics and rubber	42 545	33 850	25 399	315	9 931	7 967	188	2 131	1 658	152
Less than 50 lb	1 902	82	24	290	728	45	1	110	5	—
50 to 99 lb	714	75	20	265	260	38	1	61	7	1
100 to 499 lb	2 286	333	90	266	1 009	177	3	214	38	4
500 to 749 lb	622	141	44	309	268	71	2	39	10	1
750 to 999 lb	496	107	42	394	147	43	1	S	13	1
1,000 to 9,999 lb	6 174	2 250	1 102	472	1 380	546	12	312	128	12
10,000 to 49,999 lb	15 474	11 771	6 859	587	3 114	3 369	60	610	603	53
50,000 to 99,999 lb	358	370	107	288	191	139	2	77	141	9
100,000 lb or more	14 519	18 720	17 111	911	2 832	3 539	106	607	713	70
SCTG 25, Logs and other wood in the rough	1 317	55 255	4 252	S	728	34 728	1 192	230	10 596	851
Less than 50 lb	—	S	S	1 390	S	S	S	—	—	—
50 to 99 lb	S	S	S	144	S	S	S	—	—	—
100 to 499 lb	1	1	S	S	1	S	S	S	S	S
500 to 749 lb	1	S	—	36	1	S	S	S	S	S
750 to 999 lb	S	S	—	25	S	S	S	S	S	S
1,000 to 9,999 lb	26	S	7	S	15	S	2	2	2	—
10,000 to 49,999 lb	368	7 631	676	87	162	5 700	260	50	811	67
50,000 to 99,999 lb	821	40 344	2 115	S	527	28 210	919	174	9 144	727
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	15 860	59 334	19 247	279	3 729	17 376	528	1 480	8 912	818
Less than 50 lb	147	14	S	552	33	5	—	16	1	—
50 to 99 lb	103	17	3	196	47	10	—	10	1	—
100 to 499 lb	569	144	20	132	287	82	2	43	12	1
500 to 749 lb	168	79	10	122	72	41	1	29	S	S
750 to 999 lb	171	77	12	151	70	38	1	19	12	1
1,000 to 9,999 lb	2 072	1 814	304	169	915	986	20	173	222	20
10,000 to 49,999 lb	7 919	26 258	6 464	230	1 680	6 484	176	905	3 856	356
50,000 to 99,999 lb	1 357	10 533	1 845	182	438	S	S	212	1 906	187
100,000 lb or more	3 355	20 399	10 582	678	186	S	S	72	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	12 555	19 679	14 713	222	2 796	2 604	43	546	994	110
Less than 50 lb	75	10	1	119	58	8	—	6	1	—
50 to 99 lb	67	15	1	70	50	11	—	5	1	—
100 to 499 lb	264	110	17	155	170	72	1	25	11	1
500 to 749 lb	89	53	7	134	54	33	1	9	5	—
750 to 999 lb	64	36	6	159	48	25	—	4	3	S
1,000 to 9,999 lb	841	650	139	167	498	397	6	63	70	6
10,000 to 49,999 lb	7 435	9 533	5 931	593	1 654	1 518	23	307	661	66
50,000 to 99,999 lb	419	938	559	535	171	301	4	40	65	8
100,000 lb or more	3 299	8 334	8 052	977	93	239	7	86	177	27
SCTG 28, Paper or paperboard articles	10 077	6 976	2 267	210	3 619	2 623	51	627	677	60
Less than 50 lb	461	44	9	249	236	27	—	20	3	—
50 to 99 lb	232	50	S	174	142	31	1	25	S	1
100 to 499 lb	583	177	24	150	352	121	2	55	17	1
500 to 749 lb	202	93	11	114	132	66	1	11	3	—
750 to 999 lb	120	55	8	144	80	38	1	6	3	—
1,000 to 9,999 lb	2 132	1 591	229	122	1 008	944	16	186	178	15
10,000 to 49,999 lb	6 155	4 668	1 808	340	1 653	1 363	29	319	413	38
50,000 to 99,999 lb	63	102	S	481	S	S	S	S	S	S
100,000 lb or more	S	S	S	659	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	14 259	7 673	1 210	412	6 894	5 872	59	495	308	27
Less than 50 lb	3 614	244	102	443	909	117	S	151	S	S
50 to 99 lb	723	80	26	333	301	46	1	26	6	1
100 to 499 lb	2 241	343	98	292	885	205	4	88	25	2
500 to 749 lb	565	203	24	S	304	162	2	19	9	1
750 to 999 lb	528	230	21	97	329	S	2	14	6	1
1,000 to 9,999 lb	4 011	2 450	244	102	2 654	1 921	26	152	131	12
10,000 to 49,999 lb	2 290	2 011	557	217	1 259	1 263	16	S	S	S
50,000 to 99,999 lb	39	S	S	972	S	S	S	S	S	S
100,000 lb or more	S	S	35	S	S	S	6	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	28 345	3 763	1 648	844	6 646	863	13	777	74	7
Less than 50 lb	3 996	108	91	859	408	13	—	117	3	—
50 to 99 lb	832	40	34	848	139	6	—	18	1	—
100 to 499 lb	1 666	134	105	805	226	30	—	19	3	—
500 to 749 lb	750	58	25	448	145	19	—	7	2	—
750 to 999 lb	320	37	18	487	S	14	—	S	S	S
1,000 to 9,999 lb	6 938	633	325	466	S	167	3	S	32	3
10,000 to 49,999 lb	9 735	1 704	790	462	1 555	S	4	221	30	3
50,000 to 99,999 lb	S	S	S	207	S	S	S	S	S	S
100,000 lb or more	S	S	S	402	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	11 407	102 475	14 392	234	4 282	66 376	1 035	803	8 044	719
Less than 50 lb	470	S	9	347	S	S	S	11	1	—
50 to 99 lb	139	29	8	279	56	15	—	S	1	—
100 to 499 lb	496	147	25	185	258	100	2	14	6	—
500 to 749 lb	106	68	11	147	55	43	1	6	4	—
750 to 999 lb	103	58	7	128	71	45	1	S	2	—
1,000 to 9,999 lb	1 151	2 409	305	125	473	1 607	25	94	186	17
10,000 to 49,999 lb	7 233	71 699	9 513	125	2 445	48 366	697	495	5 464	476
50,000 to 99,999 lb	1 206	20 175	2 135	105	534	11 895	245	159	2 295	211
100,000 lb or more	504	7 845	2 378	340	138	4 273	64	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	23 133	31 810	15 013	210	6 764	10 519	195	1 207	1 522	138
Less than 50 lb	395	26	6	203	224	18	—	24	1	—
50 to 99 lb	308	34	6	164	175	25	—	13	1	—
100 to 499 lb	1 148	280	52	181	487	181	3	80	17	2
500 to 749 lb	523	155	31	202	207	94	2	44	10	1
750 to 999 lb	234	108	19	178	100	64	1	20	8	1
1,000 to 9,999 lb	4 269	3 216	632	192	1 721	1 856	33	339	296	27
10,000 to 49,999 lb	10 212	14 497	5 691	343	2 193	3 934	95	642	988	90
50,000 to 99,999 lb	672	1 830	559	279	180	714	S	S	188	16
100,000 lb or more	5 373	11 664	8 018	696	S	S	S	S	S	S
SCTG 33, Articles of base metal	28 083	18 168	6 561	284	10 472	6 435	116	1 851	1 745	165
Less than 50 lb	2 560	97	31	262	1 405	54	1	121	5	—
50 to 99 lb	1 039	77	25	316	514	40	1	62	5	1
100 to 499 lb	3 280	430	145	319	1 310	203	3	186	24	2
500 to 749 lb	1 149	179	55	308	362	90	1	67	12	1
750 to 999 lb	909	162	67	415	339	72	1	58	13	1
1,000 to 9,999 lb	7 815	2 506	744	306	2 870	1 021	21	497	238	22
10,000 to 49,999 lb	7 850	9 891	4 011	401	1 922	2 926	58	704	886	80
50,000 to 99,999 lb	1 390	1 514	405	242	405	472	11	S	S	S
100,000 lb or more	2 090	3 312	1 077	462	1 347	1 557	18	S	S	S
SCTG 34, Machinery	37 880	4 532	2 423	289	10 026	1 121	27	2 314	298	29
Less than 50 lb	4 592	97	29	269	1 917	51	1	277	8	1
50 to 99 lb	1 646	72	18	241	798	43	1	121	5	—
100 to 499 lb	5 086	314	116	350	1 851	138	3	353	22	2
500 to 749 lb	1 324	135	48	348	416	62	1	96	7	1
750 to 999 lb	1 116	104	61	579	135	23	—	55	8	1
1,000 to 9,999 lb	11 661	1 290	659	481	3 028	416	S	S	61	6
10,000 to 49,999 lb	10 486	2 042	1 135	566	1 664	329	8	579	S	S
50,000 to 99,999 lb	909	236	135	586	147	42	1	S	S	S
100,000 lb or more	1 059	242	223	894	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	118 048	5 192	3 258	533	27 129	1 336	32	3 035	254	27
Less than 50 lb	23 333	178	81	520	5 316	81	1	655	8	1
50 to 99 lb	8 250	123	68	533	1 953	49	1	319	3	—
100 to 499 lb	26 012	592	348	597	4 327	173	3	664	46	4
500 to 749 lb	4 593	197	100	505	1 557	42	1	57	6	1
750 to 999 lb	3 306	165	114	702	906	37	1	S	5	—
1,000 to 9,999 lb	28 316	1 749	1 001	584	S	504	12	S	S	S
10,000 to 49,999 lb	22 879	1 842	1 176	594	S	S	S	S	S	S
50,000 to 99,999 lb	974	S	S	1 117	S	S	S	S	S	S
100,000 lb or more	383	71	50	666	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	28 092	3 728	1 805	236	6 963	1 017	23	1 868	370	32
Less than 50 lb	3 000	144	33	223	1 404	84	1	207	12	1
50 to 99 lb	1 098	80	16	196	1 447	42	1	71	7	1
100 to 499 lb	4 101	336	105	300	1 245	119	3	240	32	3
500 to 749 lb	1 076	74	26	337	228	27	1	20	3	—
750 to 999 lb	701	60	22	355	167	18	—	S	4	—
1,000 to 9,999 lb	7 393	949	492	535	1 533	265	4	236	59	5
10,000 to 49,999 lb	8 107	1 705	741	445	1 701	409	S	S	S	S
50,000 to 99,999 lb	S	313	S	1 149	S	23	—	S	S	S
100,000 lb or more	208	66	S	240	166	29	1	S	S	S
SCTG 37, Transportation equipment, n.e.c.	7 400	640	343	608	1 640	158	3	127	S	S
Less than 50 lb	1 213	S	4	619	210	1	—	S	S	S
50 to 99 lb	S	2	1	628	68	S	—	S	S	S
100 to 499 lb	970	7	4	468	356	3	—	S	—	—
500 to 749 lb	578	3	2	785	S	—	—	S	S	S
750 to 999 lb	S	2	2	867	S	S	S	—	—	—
1,000 to 9,999 lb	2 538	102	57	504	S	10	S	S	S	S
10,000 to 49,999 lb	803	213	70	438	36	28	1	S	S	S
50,000 to 99,999 lb	S	S	S	270	S	S	—	—	—	—
100,000 lb or more	422	282	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	15 384	192	113	931	2 426	61	1	483	11	1
Less than 50 lb	S	S	S	950	789	12	—	296	3	—
50 to 99 lb	775	11	4	355	241	5	—	S	1	—
100 to 499 lb	1 674	39	10	259	S	24	—	92	3	—
500 to 749 lb	282	8	3	405	74	1	S	S	S	S
750 to 999 lb	253	10	5	473	48	2	—	S	S	S
1,000 to 9,999 lb	1 049	41	19	518	235	15	—	S	S	S
10,000 to 49,999 lb	387	16	16	993	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	1 511	—	—	—	—	—	—
100,000 lb or more	S	S	S	137	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12 596	1 997	842	463	3 737	581	S	S	S	S
Less than 50 lb	404	18	S	498	166	8	—	7	—	—
50 to 99 lb	319	23	12	512	122	10	—	5	1	—
100 to 499 lb	2 105	174	75	426	1 065	83	1	50	10	1
500 to 749 lb	684	67	30	442	381	24	—	19	5	S
750 to 999 lb	244	47	21	454	85	17	S	11	2	—
1,000 to 9,999 lb	S	927	315	389	S	S	S	S	S	S
10,000 to 49,999 lb	S	716	375	524	150	43	1	23	6	1
50,000 to 99,999 lb	S	S	S	640	S	S	S	—	—	—
100,000 lb or more	S	S	S	14	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	40 039	9 113	4 117	583	8 411	2 289	51	2 114	861	76
Less than 50 lb	13 302	180	95	612	2 079	57	1	357	15	1
50 to 99 lb	1 439	78	34	425	464	29	1	97	6	1
100 to 499 lb	4 083	325	148	447	1 234	115	2	180	25	2
500 to 749 lb	1 428	161	71	440	335	48	1	103	15	1
750 to 999 lb	802	126	49	386	205	32	1	98	20	2
1,000 to 9,999 lb	9 751	1 815	745	417	2 828	641	16	468	171	15
10,000 to 49,999 lb	8 218	5 109	2 144	417	1 163	1 175	27	S	433	43
50,000 to 99,999 lb	306	441	146	311	68	S	2	6	9	1
100,000 lb or more	712	878	686	830	35	19	S	S	S	S
SCTG 41, Waste and scrap .	2 098	11 773	2 732	166	736	5 498	124	116	820	87
Less than 50 lb	S	S	S	296	S	S	S	S	S	S
50 to 99 lb	S	S	S	88	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	84	S	S	S	S	S	S
750 to 999 lb	S	S	S	40	S	S	S	—	—	—
1,000 to 9,999 lb	45	S	5	S	S	S	S	S	S	S
10,000 to 49,999 lb	1 297	5 979	1 074	169	411	3 379	84	80	456	45
50,000 to 99,999 lb	104	1 314	136	102	64	830	S	10	S	—
100,000 lb or more	647	4 401	1 515	286	228	1 223	S	18	154	18
SCTG 43, Mixed freight.....	25 621	10 899	1 843	113	7 487	3 510	100	3 483	1 675	154
Less than 50 lb	640	45	3	63	414	35	—	S	S	S
50 to 99 lb	299	38	5	143	190	23	—	39	6	—
100 to 499 lb	1 037	246	37	158	431	122	3	161	38	3
500 to 749 lb	613	198	22	107	302	104	2	74	27	2
750 to 999 lb	452	183	28	154	153	70	2	82	25	2
1,000 to 9,999 lb	7 172	3 564	632	177	2 538	1 448	40	891	476	44
10,000 to 49,999 lb	15 118	6 448	1 086	159	3 456	1 706	52	2 027	1 010	93
50,000 to 99,999 lb	S	S	S	180	S	S	S	S	S	S
100,000 lb or more	S	S	S	111	—	—	—	S	S	S

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	4 186	4 242	1 584	432	1 289	1 410	34	S	127	12
Less than 50 lb	403	9	3	515	116	5	—	S	—	—
50 to 99 lb	98	4	1	S	S	3	—	S	S	S
100 to 499 lb	199	18	4	S	52	10	—	S	S	S
500 to 749 lb	72	10	2	201	37	6	—	S	S	S
750 to 999 lb	48	7	1	225	S	S	S	S	S	S
1,000 to 9,999 lb	749	221	66	283	S	60	S	S	18	2
10,000 to 49,999 lb	S	1 463	463	303	368	525	17	S	S	S
50,000 to 99,999 lb	S	353	42	120	S	S	S	S	S	S
100,000 lb or more	631	2 156	1 001	862	S	S	S	S	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	131 804	205 713	43 153	100 777	127 678	53 627	61 867	88 748	73 719	71 665	80 803	87 655
Less than 50 lb	8 362	197	40	8 170	139	60	7 932	101	77	9 212	119	123
50 to 99 lb	2 561	154	31	1 863	86	37	1 436	55	43	1 389	46	49
100 to 499 lb	8 475	888	177	6 169	507	212	3 680	244	184	6 486	250	263
500 to 749 lb	2 842	495	99	2 253	262	107	1 165	93	70	1 563	100	104
750 to 999 lb	1 896	472	94	1 927	220	88	742	108	80	937	74	78
1,000 to 9,999 lb	23 828	8 005	1 594	17 068	4 343	1 773	8 860	1 854	1 373	12 187	1 704	1 788
10,000 to 49,999 lb	56 962	66 345	13 168	37 405	40 673	16 773	22 779	19 441	14 575	22 198	13 636	14 202
50,000 to 99,999 lb	5 500	26 298	4 922	2 761	6 988	2 781	1 325	1 986	1 557	1 780	1 631	1 795
100,000 lb or more	21 378	102 858	23 028	23 160	74 461	31 797	13 949	64 866	55 759	15 913	63 243	69 252
SCTG 01, Live animals and live fish	55	32	7	169	113	54	31	12	9	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	1	1	—	S	S	S	—	—	—
10,000 to 49,999 lb	26	16	3	72	48	22	25	9	7	S	S	S
50,000 to 99,999 lb	10	6	1	49	31	15	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	656	4 308	843	383	3 116	1 520	369	2 552	2 295	126	482	605
Less than 50 lb	S	S	S	—	—	—	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	44	220	41	79	S	S	23	92	66	12	S	S
50,000 to 99,999 lb	378	3 078	517	S	S	S	6	44	30	—	—	—
100,000 lb or more	114	915	268	192	1 544	892	338	2 415	2 198	113	439	558
SCTG 03, Other agricultural products	971	S	S	706	1 737	950	160	468	391	288	483	541
Less than 50 lb	3	1	S	S	—	—	S	—	—	S	S	S
50 to 99 lb	1	—	—	S	—	—	S	S	S	S	S	S
100 to 499 lb	20	9	2	7	2	1	S	S	S	S	S	S
500 to 749 lb	29	18	3	S	2	1	—	S	S	S	S	S
750 to 999 lb	9	S	S	3	2	1	S	S	S	S	S	S
1,000 to 9,999 lb	182	178	33	100	111	48	19	25	18	18	28	32
10,000 to 49,999 lb	382	765	155	349	637	261	61	S	S	121	206	218
50,000 to 99,999 lb	41	191	45	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	1 911	4 389	855	1 489	2 861	1 204	599	1 527	1 113	449	319	352
Less than 50 lb	S	—	—	2	S	—	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S	—	—	—
100 to 499 lb	9	4	1	7	1	1	S	S	S	S	S	S
500 to 749 lb	6	4	1	S	S	S	S	—	—	S	S	S
750 to 999 lb	S	4	1	8	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	176	209	43	191	78	33	S	15	11	20	5	6
10,000 to 49,999 lb	S	2 302	461	1 080	1 897	794	304	639	463	252	173	185
50,000 to 99,999 lb	287	1 829	341	88	432	183	27	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	192	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	3 321	1 801	366	3 655	2 111	886	2 105	1 076	804	2 327	815	861
Less than 50 lb	S	1	—	S	—	—	S	S	S	S	S	S
50 to 99 lb	15	2	—	S	S	S	S	—	—	S	S	S
100 to 499 lb	76	30	6	13	4	2	S	S	S	S	1	1
500 to 749 lb	82	35	7	S	S	S	S	S	S	S	1	1
750 to 999 lb	71	35	7	S	3	1	2	1	1	S	S	S
1,000 to 9,999 lb	956	513	95	508	228	87	154	55	40	447	92	95
10,000 to 49,999 lb	2 044	1 143	245	2 627	1 641	682	1 869	930	689	1 845	706	749
50,000 to 99,999 lb	S	S	S	S	18	8	38	41	33	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	3 997	1 956	398	1 371	1 646	680	618	677	526	594	764	862
Less than 50 lb	S	2	—	1	S	S	S	S	S	S	S	S
50 to 99 lb	4	3	—	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	33	6	S	13	5	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	1	—	2	1	1
1,000 to 9,999 lb	S	343	69	S	195	83	S	54	43	63	27	28
10,000 to 49,999 lb	S	1 032	199	600	1 029	409	380	449	337	328	335	352
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	164	38	71	235	118	58	158	134	188	392	472

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	8 512	7 517	1 446	4 524	4 947	2 102	2 399	2 560	1 956	1 797	1 131	1 194
Less than 50 lb	60	9	2	23	3	1	S	S	S	S	S	S
50 to 99 lb	35	S	S	20	3	2	S	S	S	2	S	—
100 to 499 lb	202	119	22	67	26	10	S	S	S	S	S	S
500 to 749 lb	124	40	8	36	10	4	S	S	S	S	S	S
750 to 999 lb	138	57	10	65	20	7	1	—	—	S	S	S
1,000 to 9,999 lb	852	559	111	726	371	138	187	83	61	168	73	74
10,000 to 49,999 lb	6 645	5 545	1 069	3 208	3 460	1 435	1 760	1 496	1 149	1 467	826	854
50,000 to 99,999 lb	228	566	102	S	199	78	S	S	S	S	S	S
100,000 lb or more	S	S	S	288	853	427	399	949	723	85	200	232
SCTG 08, Alcoholic beverages	1 202	1 292	263	545	731	297	204	S	S	145	149	154
Less than 50 lb	3	1	—	S	S	S	S	S	S	—	—	—
50 to 99 lb	9	2	—	S	S	S	S	S	S	—	—	—
100 to 499 lb	64	18	3	S	S	S	S	S	S	S	S	S
500 to 749 lb	46	14	2	S	S	S	S	S	S	—	—	—
750 to 999 lb	28	9	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	182	74	12	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	688	891	178	469	593	241	120	111	82	127	132	137
50,000 to 99,999 lb	122	169	34	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 09, Tobacco products	184	S	S	S	9	3	—	—	—	—	—	—
Less than 50 lb	25	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	80	5	1	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	S	S	S	S	S	S	S	1	1
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	3	1	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	75	4 650	979	33	S	S	S	387	342	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	1	S	S	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	26	468	89	11	201	67	S	S	S	S	S	S
50,000 to 99,999 lb	16	741	150	S	S	S	S	S	50	—	—	—
100,000 lb or more	S	3 432	738	15	S	S	S	297	276	S	S	S
SCTG 12, Gravel and crushed stone	76	10 660	2 224	5	525	224	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	9	2	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	21	2 397	436	2	135	54	S	S	S	—	—	—
50,000 to 99,999 lb	15	1 715	301	1	91	S	S	S	S	—	—	—
100,000 lb or more	38	6 538	1 485	3	300	128	S	S	S	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	172	2 857	S	184	1 292	633	172	S	S	72	2 756	3 650
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	S	S	S	S	S
100 to 499 lb	S	S	S	2	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	17	30	6	11	7	3	S	S	S	S	S	S
10,000 to 49,999 lb	124	955	190	144	600	260	60	434	325	18	122	122
50,000 to 99,999 lb	17	628	122	3	91	35	S	90	70	S	S	S
100,000 lb or more	S	S	S	22	592	334	103	S	S	42	2 624	3 518

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	S	S	S	S	S	S	54	102	73	162	729	947
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	108	666	882
SCTG 15, Coal	S	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	5 638	27 273	4 931	5 241	26 609	8 814	2 347	25 000	19 784	1 585	28 112	26 264
Less than 50 lb	—	—	—	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	249	198	39	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	196	701	120	S	S	34	31	23	16	S	S	S
50,000 to 99,999 lb	603	2 696	494	67	298	121	S	S	S	S	S	S
100,000 lb or more	4 588	23 676	4 278	5 081	26 211	8 655	2 234	24 670	19 530	1 497	27 795	25 881
SCTG 18, Fuel oils	3 592	19 433	3 585	628	4 275	1 675	847	5 046	3 988	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	142	137	27	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	87	400	64	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	130	702	118	S	S	S	S	S	S	S	S	S
100,000 lb or more	3 233	18 188	3 374	579	4 068	1 600	841	5 025	3 975	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	3 720	14 759	2 982	3 007	8 714	3 999	2 754	7 426	6 530	1 303	2 398	2 809
Less than 50 lb	15	2	S	S	S	S	1	S	S	S	S	S
50 to 99 lb	S	2	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	16	S	12	3	1	2	S	S	3	1	1
500 to 749 lb	4	3	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	2	1	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	37	45	17	S	S	S	S	23	23
10,000 to 49,999 lb	1 031	4 464	826	887	1 738	716	S	S	S	613	872	904
50,000 to 99,999 lb	137	785	161	34	153	55	S	38	32	S	32	34
100,000 lb or more	2 284	9 238	1 938	2 020	6 766	3 207	1 662	5 223	4 797	605	1 470	1 846
SCTG 20, Basic chemicals	8 483	20 871	5 151	S	22 201	9 430	4 512	8 381	7 403	8 873	15 213	19 390
Less than 50 lb	33	2	—	S	1	—	S	—	—	7	S	S
50 to 99 lb	S	S	S	11	S	S	S	S	S	4	S	S
100 to 499 lb	52	9	2	55	7	3	16	3	2	S	S	S
500 to 749 lb	13	6	1	12	3	1	S	1	—	4	—	—
750 to 999 lb	7	3	1	S	S	S	1	—	—	2	—	—
1,000 to 9,999 lb	169	165	31	383	148	55	76	26	19	S	S	S
10,000 to 49,999 lb	2 161	5 751	1 155	S	4 450	1 704	1 391	1 243	914	1 680	1 251	1 308
50,000 to 99,999 lb	S	518	86	139	287	125	83	144	117	S	401	413
100,000 lb or more	5 702	14 414	3 874	S	17 297	7 538	2 922	6 964	6 349	6 630	13 488	17 590
SCTG 21, Pharmaceutical products	2 641	113	22	1 550	47	20	783	86	64	872	79	83
Less than 50 lb	1 084	16	3	536	7	3	367	3	2	543	4	4
50 to 99 lb	329	7	1	185	3	1	S	S	S	98	1	1
100 to 499 lb	558	22	5	227	9	4	S	2	2	S	S	S
500 to 749 lb	164	6	1	S	1	—	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	—	—	S	S	S
1,000 to 9,999 lb	202	16	3	207	11	5	43	S	S	S	S	1
10,000 to 49,999 lb	S	40	8	37	13	6	265	71	54	132	68	72
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	598	3 855	963	638	4 813	2 301	560	3 425	3 160	502	2 954	3 706
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	2	1	—	S	S	—	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	35	64	11	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	199	1 078	207	94	437	182	40	S	S	19	71	78
50,000 to 99,999 lb	140	1 012	205	33	216	83	7	50	39	S	S	S
100,000 lb or more	221	1 698	539	497	4 149	2 031	511	3 234	3 019	479	2 866	3 612
SCTG 23, Chemical products and preparations, n.e.c.	3 792	3 169	668	2 927	1 813	754	1 800	869	698	1 683	993	1 026
Less than 50 lb	199	9	2	157	8	3	75	3	2	51	2	2
50 to 99 lb	52	7	1	62	6	2	8	1	1	10	1	1
100 to 499 lb	197	37	7	125	19	8	55	8	6	38	9	9
500 to 749 lb	37	13	3	58	13	5	S	5	3	18	5	5
750 to 999 lb	38	12	2	48	13	5	S	7	5	11	2	2
1,000 to 9,999 lb	348	137	27	535	172	70	296	75	55	284	91	97
10,000 to 49,999 lb	S	1 843	351	1 696	1 349	561	1 084	513	392	743	385	393
50,000 to 99,999 lb	35	173	29	10	27	12	S	S	S	S	S	S
100,000 lb or more	327	S	S	235	206	87	172	218	200	523	478	496
SCTG 24, Plastics and rubber.....	4 563	3 327	711	4 661	3 553	1 683	5 380	4 121	3 371	6 602	5 395	6 022
Less than 50 lb	236	10	2	168	5	2	170	5	4	265	S	S
50 to 99 lb	94	13	S	56	6	2	41	4	3	40	3	3
100 to 499 lb	361	38	7	164	25	10	124	14	11	142	15	16
500 to 749 lb	78	21	4	64	13	6	40	6	5	47	9	9
750 to 999 lb	51	13	3	53	12	5	38	8	6	49	9	9
1,000 to 9,999 lb	1 051	415	85	987	409	177	744	277	206	688	216	216
10,000 to 49,999 lb	1 578	1 426	271	1 910	1 477	646	2 307	1 248	931	2 773	1 569	1 631
50,000 to 99,999 lb	24	28	5	S	S	S	S	S	S	S	S	S
100,000 lb or more	1 090	1 364	331	1 254	1 600	832	1 896	2 552	2 202	2 587	3 558	4 121
SCTG 25, Logs and other wood in the rough	230	S	S	74	425	164	S	S	S	S	30	32
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	3	5	1	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	70	695	126	54	325	125	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	17	91	91	35	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	25	27
SCTG 26, Wood products ..	4 672	S	S	2 202	7 711	3 094	1 311	3 175	2 604	1 127	2 757	3 043
Less than 50 lb	14	2	—	15	1	—	S	S	S	S	S	S
50 to 99 lb	18	2	—	S	S	S	6	1	1	S	—	S
100 to 499 lb	133	34	6	S	S	S	20	3	2	S	1	1
500 to 749 lb	35	12	2	16	4	2	4	1	1	3	1	1
750 to 999 lb	S	S	S	16	4	1	S	1	1	2	1	1
1,000 to 9,999 lb	472	382	73	160	88	34	134	54	40	57	25	25
10,000 to 49,999 lb	2 563	8 835	1 947	1 487	5 041	1 971	587	1 166	857	343	466	472
50,000 to 99,999 lb	363	1 362	282	214	1 622	584	39	104	80	30	69	71
100,000 lb or more	S	S	S	232	938	497	498	S	1 621	651	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard ...	1 574	2 543	604	1 790	3 321	1 564	1 986	3 810	3 203	1 655	3 080	3 365
Less than 50 lb	7	1	—	2	—	—	S	S	S	S	S	S
50 to 99 lb	10	1	—	S	—	—	1	S	S	S	S	S
100 to 499 lb	32	13	2	13	6	2	S	S	1	S	S	S
500 to 749 lb	19	12	2	S	S	S	S	S	S	S	S	S
750 to 999 lb	6	4	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	92	72	15	35	28	11	21	26	19	18	15	16
10,000 to 49,999 lb	1 096	1 502	324	1 195	1 745	773	962	1 383	1 057	986	1 296	1 337
50,000 to 99,999 lb	27	92	28	46	121	57	66	159	145	35	102	127
100,000 lb or more	286	847	230	495	1 420	721	927	2 239	1 980	606	1 662	1 880
SCTG 28, Paper or paperboard articles	2 171	1 438	280	1 331	901	378	606	408	310	842	478	481
Less than 50 lb	S	S	1	21	2	1	18	S	S	16	1	1
50 to 99 lb	11	2	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	60	18	3	41	8	4	S	5	4	19	4	4
500 to 749 lb	35	17	3	9	3	1	S	1	1	S	—	—
750 to 999 lb	10	6	1	12	5	2	S	S	S	S	S	S
1,000 to 9,999 lb	547	254	48	193	121	50	85	43	31	59	23	24
10,000 to 49,999 lb	1 413	1 129	221	967	674	286	419	320	245	672	383	386
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	1 238	439	89	1 014	334	152	1 031	212	151	1 161	168	175
Less than 50 lb	296	20	4	377	17	S	431	15	11	514	19	20
50 to 99 lb	50	8	2	64	3	2	47	S	S	85	4	4
100 to 499 lb	188	25	5	186	20	9	230	22	15	257	16	17
500 to 749 lb	58	12	2	60	6	3	23	4	3	39	3	3
750 to 999 lb	34	14	3	24	4	2	S	3	2	31	2	2
1,000 to 9,999 lb	351	194	38	201	87	35	97	35	25	160	28	28
10,000 to 49,999 lb	251	130	29	95	149	68	154	127	90	73	88	91
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	5 408	S	S	6 543	S	S	2 550	230	184	1 945	222	234
Less than 50 lb	472	13	3	601	15	7	525	14	10	578	16	17
50 to 99 lb	62	4	1	96	5	2	136	7	5	92	5	6
100 to 499 lb	96	13	3	151	14	6	264	16	12	248	18	20
500 to 749 lb	S	15	3	53	6	2	S	S	4	63	4	4
750 to 999 lb	33	6	1	21	2	1	85	S	S	28	2	2
1,000 to 9,999 lb	S	S	S	1 584	118	44	596	40	30	386	47	49
10,000 to 49,999 lb	S	S	S	S	S	S	870	107	89	538	118	124
50,000 to 99,999 lb	S	S	S	S	S	S	25	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	2 047	16 853	3 463	1 205	5 057	2 167	883	2 138	1 590	895	1 614	1 710
Less than 50 lb	37	4	1	40	3	1	37	2	1	17	1	1
50 to 99 lb	20	S	S	18	S	S	10	1	S	12	1	1
100 to 499 lb	63	S	S	54	7	3	18	3	2	33	5	5
500 to 749 lb	S	S	S	3	2	1	3	1	1	S	2	S
750 to 999 lb	13	7	2	S	S	S	S	S	S	S	—	—
1,000 to 9,999 lb	195	348	63	117	129	49	66	46	34	59	35	37
10,000 to 49,999 lb	1 193	9 477	1 813	885	3 861	1 610	639	1 691	1 262	687	1 197	1 229
50,000 to 99,999 lb	351	5 079	1 069	51	518	218	58	171	114	39	119	132
100,000 lb or more	157	1 898	508	35	533	284	44	221	174	32	254	302
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	3 672	5 395	1 124	3 440	5 604	2 906	2 439	3 242	2 557	2 815	2 888	3 410
Less than 50 lb	31	2	—	37	2	1	19	1	1	22	1	1
50 to 99 lb	33	3	1	42	2	1	9	1	1	13	1	1
100 to 499 lb	197	36	7	113	18	7	S	6	4	S	10	11
500 to 749 lb	S	27	S	40	11	4	11	1	1	S	5	5
750 to 999 lb	60	23	5	11	3	2	8	S	S	9	2	2
1,000 to 9,999 lb	765	497	95	402	231	93	318	96	71	380	107	111
10,000 to 49,999 lb	1 928	3 252	668	1 790	2 669	1 161	1 353	1 640	1 231	1 366	1 244	1 303
50,000 to 99,999 lb	159	S	S	S	312	150	S	S	S	23	42	55
100,000 lb or more	S	S	S	830	2 356	1 487	S	S	S	852	1 476	1 920
SCTG 33, Articles of base metal	4 325	2 790	560	4 311	3 055	1 305	2 086	2 161	1 653	1 743	725	774
Less than 50 lb	246	10	2	241	8	3	130	6	4	179	6	7
50 to 99 lb	134	9	2	75	5	2	90	4	3	76	5	6
100 to 499 lb	493	69	15	343	50	21	221	20	15	286	28	29
500 to 749 lb	113	17	3	196	26	12	59	8	6	S	17	17
750 to 999 lb	153	22	4	106	20	8	43	6	5	21	4	5
1,000 to 9,999 lb	1 482	513	107	1 153	356	150	532	151	113	285	63	67
10,000 to 49,999 lb	1 332	1 552	317	1 324	1 872	782	853	1 339	987	630	517	551
50,000 to 99,999 lb	135	S	48	S	S	S	30	S	S	S	S	S
100,000 lb or more	236	359	62	231	S	S	129	S	S	S	S	S
SCTG 34, Machinery	5 574	747	138	5 759	665	300	3 550	528	395	4 473	506	531
Less than 50 lb	609	12	3	528	9	4	236	5	4	534	6	6
50 to 99 lb	216	8	2	152	5	2	94	3	3	107	4	4
100 to 499 lb	754	42	9	666	34	15	477	29	23	380	19	20
500 to 749 lb	184	16	3	210	16	7	183	11	8	90	8	8
750 to 999 lb	S	17	3	167	12	5	77	8	6	181	S	S
1,000 to 9,999 lb	973	168	33	1 463	180	80	1 082	131	98	1 902	170	179
10,000 to 49,999 lb	S	S	68	1 997	335	153	1 177	264	198	1 202	246	260
50,000 to 99,999 lb	199	S	S	146	31	14	105	49	34	S	11	11
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	19 607	842	192	7 223	461	209	7 574	589	425	15 348	628	665
Less than 50 lb	2 434	23	5	1 817	14	6	2 299	11	9	2 037	13	14
50 to 99 lb	854	21	5	494	8	4	615	11	9	563	6	6
100 to 499 lb	2 728	S	S	1 650	S	26	1 137	30	23	3 786	49	52
500 to 749 lb	S	S	S	464	S	S	344	12	9	589	18	18
750 to 999 lb	115	S	S	S	S	S	77	S	S	435	11	12
1,000 to 9,999 lb	5 766	319	80	1 459	124	51	1 683	192	135	3 936	154	162
10,000 to 49,999 lb	S	306	63	770	174	83	1 406	299	214	3 561	257	262
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	3 971	566	114	4 987	658	293	3 741	378	301	3 202	326	366
Less than 50 lb	373	16	3	440	14	6	104	4	3	142	5	5
50 to 99 lb	262	14	3	206	10	4	44	3	2	19	1	1
100 to 499 lb	676	53	11	1 225	83	35	312	19	15	185	11	11
500 to 749 lb	93	9	2	S	22	9	S	6	4	43	4	4
750 to 999 lb	99	10	2	S	S	S	S	S	S	S	2	3
1,000 to 9,999 lb	937	155	33	895	137	60	1 087	110	87	S	S	S
10,000 to 49,999 lb	S	S	S	1 223	338	149	1 294	147	112	621	108	114
50,000 to 99,999 lb	20	10	2	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	1 164	251	50	941	99	S	650	36	27	353	S	S
Less than 50 lb	217	S	S	105	—	—	107	—	—	145	S	1
50 to 99 lb	S	S	S	32	S	S	S	S	S	S	—	—
100 to 499 lb	S	1	—	101	1	—	S	—	—	S	—	—
500 to 749 lb	S	1	—	S	—	—	S	—	—	S	—	—
750 to 999 lb	S	S	S	3	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	300	S	S	551	35	15	258	14	11	81	4	4
10,000 to 49,999 lb	212	134	23	28	10	4	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	1 427	17	4	1 345	23	10	S	21	15	S	S	S
Less than 50 lb	936	5	1	907	4	2	S	S	S	S	S	S
50 to 99 lb	67	1	—	73	1	—	116	1	1	52	1	1
100 to 499 lb	97	2	1	76	4	2	79	1	1	109	2	2
500 to 749 lb	S	S	—	S	3	1	S	—	—	S	—	—
750 to 999 lb	S	1	S	10	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	170	5	1	95	S	S	S	5	3	S	2	2
10,000 to 49,999 lb	S	S	S	S	S	S	S	3	2	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	S	S	86	S	251	97	752	180	137	985	185	190
Less than 50 lb	S	1	—	S	1	1	S	S	S	39	S	S
50 to 99 lb	23	2	1	13	1	—	14	2	1	24	3	3
100 to 499 lb	107	14	3	131	15	7	87	14	10	S	15	16
500 to 749 lb	44	8	2	55	9	4	39	7	5	S	6	6
750 to 999 lb	21	5	1	27	5	2	37	7	5	37	6	6
1,000 to 9,999 lb	302	70	15	S	S	S	221	68	52	272	72	74
10,000 to 49,999 lb	S	S	S	S	47	21	S	79	60	166	79	80
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products	5 636	1 988	395	6 136	1 457	619	4 049	818	592	4 268	723	765
Less than 50 lb	759	23	5	S	21	9	S	17	13	S	16	17
50 to 99 lb	145	12	2	181	11	5	104	4	3	126	6	6
100 to 499 lb	592	51	11	411	40	17	302	27	20	345	26	27
500 to 749 lb	209	27	6	250	29	12	108	13	10	151	10	11
750 to 999 lb	131	23	5	116	S	10	49	6	4	47	7	8
1,000 to 9,999 lb	1 697	312	62	1 453	246	105	713	123	89	604	93	97
10,000 to 49,999 lb	1 893	1 237	243	1 316	869	363	918	596	428	855	394	411
50,000 to 99,999 lb	64	129	26	60	39	16	22	20	15	36	S	S
100,000 lb or more	146	S	S	S	178	82	S	S	S	57	123	141
SCTG 41, Waste and scrap	447	2 748	623	385	1 976	1 017	159	262	203	78	177	186
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	1	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	248	1 085	214	219	641	251	146	161	120	67	90	91
50,000 to 99,999 lb	19	211	54	8	S	S	—	—	—	S	S	S
100,000 lb or more	175	1 451	355	155	1 268	733	13	101	83	S	S	S
SCTG 43, Mixed freight	10 154	4 341	879	S	1 017	391	S	S	S	312	121	129
Less than 50 lb	39	3	—	S	2	1	S	S	S	S	1	1
50 to 99 lb	18	4	1	28	3	1	S	S	S	S	S	S
100 to 499 lb	242	53	11	114	21	8	S	4	3	44	8	8
500 to 749 lb	160	49	9	49	15	6	S	1	1	S	S	S
750 to 999 lb	154	65	13	53	19	S	S	S	S	S	S	S
1,000 to 9,999 lb	2 503	1 068	217	944	416	173	78	41	29	S	S	S
10,000 to 49,999 lb	6 918	3 025	614	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	1 392	1 002	207	483	S	S	190	S	S	210	147	S
Less than 50 lb	102	1	—	44	1	—	9	—	—	S	—	—
50 to 99 lb	S	S	S	4	—	—	S	S	S	S	S	S
100 to 499 lb	41	4	1	S	2	1	S	—	—	S	—	—
500 to 749 lb	S	1	—	4	S	S	S	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	176	S	S	65	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	163	127	53	99	103	80	78	67	70
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	106 226	64 499	107 455	20 886	8 832	19 143	1 669	544	1 622
Less than 50 lb	19 509	173	252	3 231	37	73	236	3	10
50 to 99 lb	4 330	69	102	1 178	22	43	30	1	4
100 to 499 lb	12 937	362	524	3 597	94	186	S	4	14
500 to 749 lb	1 906	112	160	431	24	47	S	1	4
750 to 999 lb	2 146	133	197	511	39	81	S	S	S
1,000 to 9,999 lb	17 526	2 224	3 289	4 210	454	916	100	29	80
10,000 to 49,999 lb	28 242	17 371	25 770	5 173	3 556	7 179	77	53	173
50,000 to 99,999 lb	1 862	1 246	1 989	221	256	558	S	S	S
100,000 lb or more	17 767	42 808	75 172	2 333	4 351	10 059	713	430	1 283
SCTG 01, Live animals and live fish	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	23	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 03, Other agricultural products	331	646	969	161	S	S	S	S	S
Less than 50 lb	S	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	1	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	1	1	—	—	—	—	—	—
1,000 to 9,999 lb	50	63	92	11	12	24	—	—	—
10,000 to 49,999 lb	253	558	837	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	304	312	472	58	59	126	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	20	3	4	3	2	3	—	—	—
10,000 to 49,999 lb	147	164	236	S	S	S	—	—	—
50,000 to 99,999 lb	30	S	S	S	S	S	—	—	—
100,000 lb or more	98	55	94	S	S	S	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	2 861	1 159	1 699	667	278	537	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	299	78	114	144	40	75	—	—	—
10,000 to 49,999 lb	2 474	1 048	1 541	473	197	372	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	600	712	1 041	143	132	275	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	90	37	52	S	S	S	—	—	—
10,000 to 49,999 lb	366	381	552	106	91	184	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	121	280	420	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	2 217	1 454	2 200	548	314	677	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	8	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	159	52	75	S	16	33	S	S	S
10,000 to 49,999 lb	1 858	1 083	1 617	442	224	455	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	149	S	S	38	S	S	—	—	—
SCTG 08, Alcoholic beverages	418	173	267	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	377	147	228	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	—	—	—	—	—	—
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	11	203	328	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	135	230	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	2	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	155	516	884	S	S	S	—	—	—
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	74	107	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 15, Coal	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	939	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	861	S	S	—	—	—	S	S	S
SCTG 18, Fuel oils	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	1 957	5 817	10 675	255	400	914	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	S	S	—	—	—
100 to 499 lb	S	S	S	2	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	3	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	8	S	S	—	—	—
10,000 to 49,999 lb	488	998	1 570	116	143	326	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	1 339	4 490	8 584	123	238	547	S	S	S
SCTG 20, Basic chemicals .	S	16 938	27 113	1 100	950	2 056	S	S	S
Less than 50 lb	17	S	S	S	S	S	S	S	S
50 to 99 lb	16	S	S	2	S	S	S	S	S
100 to 499 lb	14	3	4	2	S	S	—	—	—
500 to 749 lb	6	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	5	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	294	229	453	7	5	14
50,000 to 99,999 lb	56	96	142	S	S	S	—	—	—
100,000 lb or more	7 615	12 971	21 109	623	640	1 417	S	S	S
SCTG 21, Pharmaceutical products	1 564	165	245	S	49	100	S	S	S
Less than 50 lb	791	6	9	61	1	1	S	—	—
50 to 99 lb	105	1	1	S	S	S	—	—	—
100 to 499 lb	73	3	4	S	S	S	S	S	S
500 to 749 lb	S	1	1	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	107	7	10	S	S	S	S	S	S
10,000 to 49,999 lb	464	148	220	119	42	86	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	95	497	802	14	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	68	378	643	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	2 851	1 835	2 913	763	S	1 243	50	40	88
Less than 50 lb	60	2	4	12	1	1	S	S	S
50 to 99 lb	19	2	3	2	—	1	—	—	—
100 to 499 lb	46	10	15	3	1	2	S	S	S
500 to 749 lb	18	4	6	3	1	1	S	S	S
750 to 999 lb	26	7	11	2	—	1	S	S	S
1,000 to 9,999 lb	707	134	192	38	17	34	S	S	S
10,000 to 49,999 lb	1 035	798	1 233	683	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	924	870	1 439	S	S	S	S	S	S
SCTG 24, Plastics and rubber	7 616	6 328	9 917	1 605	1 433	3 153	S	S	S
Less than 50 lb	185	4	6	39	1	2	S	S	S
50 to 99 lb	S	4	6	15	1	2	S	S	S
100 to 499 lb	242	22	30	27	3	7	S	S	S
500 to 749 lb	72	9	13	12	2	5	S	S	S
750 to 999 lb	46	7	11	13	3	6	—	—	—
1,000 to 9,999 lb	855	215	308	153	42	84	S	S	S
10,000 to 49,999 lb	2 573	1 723	2 557	608	356	711	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	3 476	4 310	6 928	728	1 018	2 323	S	S	S
SCTG 25, Logs and other wood in the rough	4	14	23	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 26, Wood products	1 108	2 530	4 245	228	411	923	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	—	1	S	—	—	—	—	—
100 to 499 lb	S	2	3	S	S	S	S	S	S
500 to 749 lb	7	2	2	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	134	46	68	28	10	20	S	S	S
10,000 to 49,999 lb	268	296	438	87	112	242	S	S	S
50,000 to 99,999 lb	56	246	431	5	14	33	—	—	—
100,000 lb or more	583	1 934	3 295	104	274	627	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	1 627	2 472	3 981	574	848	1 812	S	S	S
Less than 50 lb	—	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	7	4	9	S	S	S
10,000 to 49,999 lb	920	1 049	1 551	309	372	770	S	S	S
50,000 to 99,999 lb	19	50	80	S	S	S	—	—	—
100,000 lb or more	567	1 330	2 284	239	421	922	—	—	—
SCTG 28, Paper or paperboard articles	777	399	590	99	48	101	S	S	S
Less than 50 lb	44	2	3	S	S	1	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	14	4	5	S	S	S	S	S	S
500 to 749 lb	S	2	3	S	S	S	—	—	—
750 to 999 lb	S	1	1	S	S	S	—	—	—
1,000 to 9,999 lb	44	20	29	7	4	8	S	S	S
10,000 to 49,999 lb	634	343	508	74	42	89	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	1 792	222	319	610	118	234	24	1	4
Less than 50 lb	655	25	36	269	9	17	S	S	S
50 to 99 lb	103	6	8	44	S	S	S	S	S
100 to 499 lb	265	21	30	S	7	14	S	S	S
500 to 749 lb	29	4	5	S	S	S	—	—	—
750 to 999 lb	49	6	9	S	—	—	—	—	—
1,000 to 9,999 lb	306	45	62	S	9	17	S	S	S
10,000 to 49,999 lb	S	83	120	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	3 327	283	423	1 108	81	166	40	S	S
Less than 50 lb	1 108	27	39	163	6	12	25	1	2
50 to 99 lb	240	10	15	47	2	5	1	S	S
100 to 499 lb	511	31	45	143	9	18	S	S	S
500 to 749 lb	89	5	7	40	2	3	S	S	S
750 to 999 lb	48	4	6	16	1	2	—	—	—
1,000 to 9,999 lb	510	63	92	526	34	65	S	S	S
10,000 to 49,999 lb	751	118	177	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	1 144	2 077	2 990	146	315	702	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	12	1	2	S	S	S	S	S	S
100 to 499 lb	48	5	8	8	1	1	—	—	—
500 to 749 lb	5	1	2	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	139	54	73	7	4	8	S	S	S
10,000 to 49,999 lb	792	1 487	2 098	96	156	329	—	—	—
50,000 to 99,999 lb	13	98	145	—	—	—	—	—	—
100,000 lb or more	58	425	656	23	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	1 957	1 914	2 961	415	496	1 137	423	229	586
Less than 50 lb	28	1	2	S	—	—	S	S	S
50 to 99 lb	13	1	1	S	S	S	S	S	S
100 to 499 lb	72	9	13	S	S	S	S	S	S
500 to 749 lb	S	6	9	S	S	S	S	S	S
750 to 999 lb	22	3	4	S	S	S	S	S	S
1,000 to 9,999 lb	279	113	161	54	17	34	S	S	S
10,000 to 49,999 lb	815	700	990	102	67	142	S	S	S
50,000 to 99,999 lb	34	S	S	S	S	S	—	—	—
100,000 lb or more	630	1 013	1 667	203	398	928	386	222	566
SCTG 33, Articles of base metal	2 502	952	1 391	778	304	595	14	1	3
Less than 50 lb	199	8	11	37	1	3	3	—	—
50 to 99 lb	67	5	7	20	2	3	S	S	S
100 to 499 lb	303	26	37	134	10	22	S	S	S
500 to 749 lb	79	8	11	S	1	3	S	S	S
750 to 999 lb	57	10	14	S	S	S	S	S	S
1,000 to 9,999 lb	780	127	185	211	37	78	S	—	S
10,000 to 49,999 lb	909	617	893	176	182	343	—	—	—
50,000 to 99,999 lb	52	53	74	S	S	S	—	—	—
100,000 lb or more	57	99	158	S	S	S	—	—	—
SCTG 34, Machinery	5 474	583	834	659	75	151	50	S	S
Less than 50 lb	406	5	8	73	1	3	10	—	—
50 to 99 lb	137	3	5	18	—	1	S	S	S
100 to 499 lb	476	23	33	127	6	11	3	—	1
500 to 749 lb	121	13	17	24	1	3	—	—	—
750 to 999 lb	169	17	23	31	S	S	—	—	—
1,000 to 9,999 lb	2 251	142	205	139	22	44	S	S	S
10,000 to 49,999 lb	1 471	238	342	246	43	84	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	31 577	892	1 324	6 008	174	343	S	S	S
Less than 50 lb	7 511	24	35	1 135	4	9	S	—	1
50 to 99 lb	S	16	25	S	S	S	S	S	S
100 to 499 lb	9 065	S	S	S	S	S	S	1	1
500 to 749 lb	922	23	34	S	S	8	S	S	S
750 to 999 lb	1 108	S	S	43	S	S	S	S	S
1,000 to 9,999 lb	6 797	257	382	1 544	65	129	S	S	S
10,000 to 49,999 lb	2 831	303	435	204	49	100	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	2 827	361	566	519	52	110	S	S	S
Less than 50 lb	264	8	11	S	S	3	3	—	—
50 to 99 lb	34	2	3	16	1	1	—	—	—
100 to 499 lb	179	15	21	38	3	6	S	S	S
500 to 749 lb	S	3	5	S	S	S	—	—	—
750 to 999 lb	S	1	2	S	S	S	S	S	S
1,000 to 9,999 lb	941	86	134	S	S	S	S	S	S
10,000 to 49,999 lb	547	155	226	179	24	49	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	1 243	25	35	1 243	6	13	S	S	S
Less than 50 lb	234	S	S	163	—	1	S	S	S
50 to 99 lb	42	—	—	S	—	—	—	—	—
100 to 499 lb	150	1	1	S	—	1	S	S	S
500 to 749 lb	145	1	1	S	—	1	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	211	10	14	508	S	S	—	—	—
10,000 to 49,999 lb	163	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	S	35	51	S	5	10	14	S	S
Less than 50 lb	S	S	S	S	2	4	S	—	S
50 to 99 lb	165	1	1	S	—	—	S	S	S
100 to 499 lb	230	2	4	14	—	1	S	S	S
500 to 749 lb	15	—	1	S	S	S	—	—	—
750 to 999 lb	S	1	1	—	—	—	—	—	—
1,000 to 9,999 lb	285	5	7	S	1	2	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	943	171	252	149	26	51	S	S	S
Less than 50 lb	82	S	S	4	—	1	S	S	S
50 to 99 lb	S	3	4	11	1	2	—	—	—
100 to 499 lb	276	21	30	26	3	6	S	S	S
500 to 749 lb	55	7	10	S	S	S	S	S	S
750 to 999 lb	27	5	6	S	S	S	—	—	—
1,000 to 9,999 lb	195	43	68	75	10	20	S	S	S
10,000 to 49,999 lb	201	89	128	23	10	19	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	7 793	804	1 260	1 515	166	338	117	7	21
Less than 50 lb	S	26	38	S	5	10	S	1	2
50 to 99 lb	284	9	13	33	1	3	6	—	1
100 to 499 lb	804	32	47	206	9	18	10	1	S
500 to 749 lb	172	14	20	53	4	9	S	S	S
750 to 999 lb	118	9	13	36	2	5	S	S	S
1,000 to 9,999 lb	1 706	191	280	269	38	78	S	S	S
10,000 to 49,999 lb	995	325	468	269	76	153	8	3	8
50,000 to 99,999 lb	48	22	33	S	S	S	S	S	S
100,000 lb or more	42	177	348	S	S	S	—	—	—
SCTG 41, Waste and scrap .	175	254	405	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	124	154	245	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 43, Mixed freight	77	S	45	S	S	S	S	S	S
Less than 50 lb	3	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	4	—	1	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	258	167	268	108	S	S	S	S	S
Less than 50 lb	38	1	1	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	55	1	1	S	—	1	S	S	S
500 to 749 lb	S	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	87	75	118	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in

1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

Item	1993	1997
1. Industry coverage	Manufacturers (minor exceptions) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses Auxiliaries (e.g., warehouses)
2. Commodity classification system	Standard Transportation Commodity Classification (STCC), developed by the American Association of Railroads (AAR).	Standard Classification of Transported Goods (SCTG).
3. Sample size	Approximately 200,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1992 Standard Statistical Establishment List (SSEL).	Approximately 100,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1995 Standard Statistical Establishment List (SSEL).
4. Survey methodology	Respondents took a sample of their individual outbound shipments for a 2-week period during each of the four calendar quarters of 1993. Respondents reported key characteristics for each sampled shipment.	Respondents took a sample of their individual outbound shipments for a 1-week period during each of the four calendar quarters of 1997. Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	For each shipment: Total value Total weight Major commodity (STCC) All modes of transportation Multiple origins (respondents specifically requested to report all shipment origins for the sampled establishment and report the appropriate origin for each shipment; assumed to always be the mailing address if no other origins listed). Destination Containerized (Y/N) Hazardous material (Y/N) Export (Y/N) If export, mode of export, foreign country, and city of destination.	For each shipment: Total value Total weight Major commodity (SCTG) All modes of transportation Single origin (assumed to be the mailing address unless the respondent provided a different physical location address). Destination Containerized (Y/N) Hazardous material (UN/NA codes) Export (Y/N) If export, mode of export, foreign country, and city of destination.

Appendix B. Reliability of the Estimates

An estimate based on a sample survey potentially contains two types of errors—sampling and nonsampling. Sampling error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The bias of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. Variance is the squared difference, averaged over all possible samples of the same size and design, between an estimator and its average value. Descriptions of sampling and nonsampling errors for the 1997 Commodity Flow Survey (CFS) are provided in the following sections.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of all the shipments made in 1997 from all establishments included on the CFS sampling frame is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling. (See Appendix C for a description of the sample design.)

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the

sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

An estimate of an unknown population value and its approximate standard error can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability, or confidence, of containing the unknown population value. If, for each possible sample, an estimate of an unknown population value and the estimate's approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the unknown population value.
2. For approximately 95 percent of the possible samples, the interval from two standard errors below to two standard errors above the estimate would include the unknown population value.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources: (1) nonresponse, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) other errors of collection, response, coverage, and processing. Although no direct measurement of the potential biases because of nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize its influence.

A potentially large source of bias in the estimates is due to nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all the selected establishments. Four levels of nonresponse can occur in the CFS: item, shipment, quarter (reporting week), and establishment. Item nonresponse

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been

returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

Some possible sources of bias that are attributed to respondent-conducted sampling include misunderstanding the definition of a shipment, constructing an incomplete frame of shipments from which to sample, ordering the shipment sampling frame by selected shipment characteristics, and selecting shipment records by a method other than the one specified in the questionnaire's instructions. We often contacted respondents who reported shipments having atypically large value or weight when compared to the rest of their reported shipments. Upon contact, if we are able to collect information on all of a given respondent's large shipments made either for a particular reporting week or for the entire quarter, then we identify these large shipments as certainty shipments. (See Appendix C for a description of how certainty shipments are used in the estimation process.)

Table B-1a. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	5.0	—	4.8	—	7.6	—	6.4
Single modes	5.3	1.0	4.9	1.0	6.9	1.3	6.2
Truck	5.6	1.2	4.5	2.1	5.9	2.2	6.8
For-hire truck	6.7	1.5	6.2	1.4	6.9	1.7	4.6
Private truck	8.4	1.4	6.8	1.6	8.9	.7	8.1
Rail	16.5	1.0	11.6	1.0	11.2	1.8	3.0
Water	7.4	.5	11.0	1.1	16.1	2.7	11.2
Shallow draft	7.3	.3	12.5	1.0	14.0	1.7	7.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	27.3	.3	25.5	.7	29.7	2.1	31.4
Air (includes truck and air)	24.8	.6	20.2	—	18.4	—	1.9
Pipeline	10.1	.6	11.7	1.7	S	S	S
Multiple modes	12.8	1.0	18.1	.2	48.0	1.3	3.6
Parcel, U.S. Postal Service or courier	13.6	1.0	5.6	—	6.7	—	3.6
Truck and rail	12.4	—	16.7	—	12.5	.2	9.9
Truck and water	46.0	—	45.0	.1	S	S	13.1
Rail and water	S	S	S	S	S	S	28.4
Other multiple modes	S	S	48.0	.1	45.1	.2	S
Other and unknown modes	10.8	.4	18.8	.9	11.5	.2	14.6

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	5.0	5.1	8.8	4.8	5.4	8.5	7.6	7.1	11.6	6.4	3.2	8.8
Single modes	5.3	5.8	9.5	4.9	5.5	8.9	6.9	5.5	10.9	6.2	7.3	9.6
Truck	5.6	7.4	10.6	4.5	8.5	11.0	5.9	3.6	9.1	6.8	6.2	9.5
For-hire truck	6.7	7.5	11.7	6.2	17.4	19.1	6.9	3.5	10.5	4.6	5.3	7.4
Private truck	8.4	11.8	16.7	6.8	6.1	11.0	8.9	7.5	13.8	8.1	4.0	10.1
Rail	16.5	7.2	26.0	11.6	11.3	14.5	11.2	7.8	13.5	3.0	3.9	5.1
Water	7.4	11.5	21.2	11.0	13.2	27.3	16.1	14.7	27.0	11.2	S	S
Shallow draft	7.3	10.8	22.1	12.5	12.5	28.5	14.0	14.8	33.5	7.5	S	S
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	27.3	28.8	46.2	25.5	36.8	68.4	29.7	23.9	34.6	31.4	25.7	14.4
Air (includes truck and air)	24.8	13.6	53.8	20.2	S	S	18.4	29.3	51.2	1.9	2.0	3.0
Pipeline	10.1	11.9	19.7	11.7	8.5	20.8	S	S	S	S	S	S
Multiple modes	12.8	7.5	21.5	18.1	29.9	15.3	48.0	42.1	30.1	3.6	3.4	6.2
Parcel, U.S. Postal Service or courier	13.6	7.5	26.9	5.6	5.5	10.2	6.7	6.6	14.6	3.6	3.4	6.2
Truck and rail	12.4	28.2	20.2	16.7	31.7	45.2	12.5	16.8	31.7	9.9	8.3	13.0
Truck and water	46.0	39.8	14.8	45.0	28.4	22.8	S	23.3	S	13.1	23.0	90.1
Rail and water	S	S	S	S	S	S	S	S	S	28.4	20.8	52.1
Other multiple modes	S	S	S	48.0	S	S	45.1	S	S	S	16.4	S
Other and unknown modes ...	10.8	7.2	15.8	18.8	14.4	21.6	11.5	21.8	12.0	14.6	10.0	8.7

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1c. **Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Division: Percent of Total 1997 and 1993**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes	1.0	.8	1.0	1.0	1.3	2.8
Truck	1.2	1.7	2.1	2.3	2.2	1.9
For-hire truck	1.5	1.7	1.4	2.2	1.7	1.2
Private truck	1.4	1.8	1.6	1.8	.7	.9
Rail	1.0	.5	1.0	1.3	1.8	2.0
Water	.5	.5	1.1	1.2	2.7	2.7
Shallow draft	.3	.3	1.0	1.0	1.7	1.7
Great Lakes	—	—	—	—	—	—
Deep draft	.3	.3	.7	.7	2.1	2.4
Air (includes truck and air)	.6	.3	—	S	—	—
Pipeline	.6	.8	1.7	1.4	S	S
Multiple modes	1.0	.7	.2	.6	1.3	3.0
Parcel, U.S. Postal Service or courier	1.0	.6	—	—	—	—
Truck and rail	—	.3	—	—	.2	.1
Truck and water	—	.2	.1	.2	S	.3
Rail and water	S	S	S	S	S	S
Other multiple modes	S	S	.1	S	.2	S
Other and unknown modes	.4	.3	.9	.9	.2	.8

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-2. **Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Division: 1997**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	7.6	—	6.5
Truck	5.8	2.2	6.7
Rail	10.9	1.8	3.1
Shallow draft	13.7	1.7	7.2
Great Lakes	S	S	20.7
Deep draft	28.1	2.3	18.7
Air	18.9	—	2.2
Parcel, U.S. Postal Service or courier	6.7	—	3.6
Pipeline	S	S	S
Other and unknown modes	18.3	.3	14.5

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	5.0	—	4.8	—	7.6	—
Less than 50 miles	5.2	1.0	6.0	1.5	6.4	.5
50 to 99 miles	9.7	.4	8.4	.6	8.0	.4
100 to 249 miles	9.8	.9	8.1	.9	9.7	.8
250 to 499 miles	8.7	.7	11.6	.9	10.3	1.3
500 to 749 miles	3.9	.3	13.9	.5	14.2	1.7
750 to 999 miles	5.5	.4	14.0	.6	13.0	1.9
1,000 to 1,499 miles	11.8	.9	17.1	.6	19.6	2.5
1,500 to 1,999 miles	11.2	.2	9.1	—	10.2	.5
2,000 miles or more	24.3	—	19.8	—	19.0	—
Single modes	5.3	—	4.9	—	6.9	—
Less than 50 miles	5.7	1.2	6.3	1.7	7.6	.5
50 to 99 miles	10.5	.5	8.5	.7	8.1	.4
100 to 249 miles	10.7	1.0	8.3	.9	10.0	.8
250 to 499 miles	9.3	.7	11.7	.9	10.4	1.3
500 to 749 miles	4.1	.3	14.3	.5	14.6	1.7
750 to 999 miles	6.4	.5	13.9	.7	12.8	1.9
1,000 to 1,499 miles	14.0	1.0	16.7	.6	16.8	2.0
1,500 to 1,999 miles	13.7	.3	10.2	—	11.4	.5
2,000 miles or more	25.2	—	23.6	—	23.9	—
Truck	5.6	—	4.5	—	5.9	—
Less than 50 miles	5.9	1.3	6.6	2.1	6.9	.6
50 to 99 miles	12.4	.6	10.4	1.2	9.5	.7
100 to 249 miles	13.4	1.3	7.3	.9	7.1	.8
250 to 499 miles	7.8	.8	8.4	.5	7.6	.6
500 to 749 miles	3.8	.3	7.7	.3	8.2	.8
750 to 999 miles	8.4	.5	6.6	.1	6.4	.7
1,000 to 1,499 miles	12.3	.8	15.7	.3	15.8	1.4
1,500 to 1,999 miles	17.6	.3	9.8	—	9.4	.6
2,000 miles or more	23.6	—	26.3	—	26.4	—
For-hire truck	6.7	—	6.2	—	6.9	—
Less than 50 miles	16.0	1.5	10.9	2.4	12.0	.5
50 to 99 miles	8.5	.5	12.5	1.5	11.3	.6
100 to 249 miles	13.0	1.0	8.5	1.2	9.5	.9
250 to 499 miles	7.1	.9	9.3	.7	8.3	.8
500 to 749 miles	4.6	.6	3.8	.4	4.3	.8
750 to 999 miles	8.6	.8	7.6	.4	7.3	.9
1,000 to 1,499 miles	12.7	1.1	18.2	.6	18.3	1.7
1,500 to 1,999 miles	19.4	.5	11.3	—	10.8	.7
2,000 miles or more	24.3	—	25.6	—	24.6	—
Private truck	8.4	—	6.8	—	8.9	—
Less than 50 miles	4.7	2.4	8.2	2.0	9.3	1.8
50 to 99 miles	17.2	.7	11.2	1.1	10.8	1.2
100 to 249 miles	23.6	2.1	12.8	1.0	11.1	1.9
250 to 499 miles	17.5	1.2	8.9	.3	8.8	1.0
500 to 749 miles	11.8	.4	32.7	.5	34.5	1.8
750 to 999 miles	11.1	.2	12.4	—	12.3	.4
1,000 to 1,499 miles	19.4	.4	28.4	.2	30.9	1.2
1,500 to 1,999 miles	21.8	.1	22.0	—	20.8	.4
2,000 miles or more	S	S	S	S	S	S
Rail	16.5	—	11.6	—	11.2	—
Less than 50 miles	16.1	1.4	23.6	3.5	13.9	.1
50 to 99 miles	16.2	.4	28.5	1.3	29.6	.2
100 to 249 miles	17.3	1.1	25.0	1.6	25.3	.9
250 to 499 miles	42.2	1.8	26.8	1.9	22.5	.9
500 to 749 miles	9.8	1.2	8.2	1.2	8.4	1.2
750 to 999 miles	8.0	1.4	7.4	1.1	7.1	1.2
1,000 to 1,499 miles	30.5	1.6	21.2	1.4	20.8	1.9
1,500 to 1,999 miles	12.3	.5	10.0	.2	9.8	.9
2,000 miles or more	42.0	.4	32.2	.1	31.5	.3
Water	7.4	—	11.0	—	16.1	—
Less than 50 miles	13.9	4.1	16.3	4.2	18.3	1.0
50 to 99 miles	22.2	1.5	26.0	1.8	26.4	.8
100 to 249 miles	16.2	3.3	25.3	3.1	27.6	2.2
250 to 499 miles	18.2	2.3	19.8	2.4	19.3	3.3
500 to 749 miles	23.4	2.1	32.8	2.7	31.0	4.8
750 to 999 miles	25.7	1.8	29.1	2.7	26.2	4.7
1,000 to 1,499 miles	45.3	1.1	33.8	1.3	32.1	3.9
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	—	—
Shallow draft	7.3	—	12.5	—	14.0	—
Less than 50 miles	17.5	4.5	20.1	4.3	20.9	1.0
50 to 99 miles	23.6	1.8	26.9	2.1	27.9	1.0
100 to 249 miles	15.5	3.5	25.0	3.2	26.0	2.1
250 to 499 miles	18.0	2.6	20.5	2.6	20.0	4.3
500 to 749 miles	26.8	2.0	33.2	2.7	33.7	6.0
750 to 999 miles	28.6	2.1	28.0	2.4	26.8	5.9
1,000 to 1,499 miles	49.3	.3	41.0	.3	42.1	1.5
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	27.3	—	25.5	—	29.7	—
Less than 50 miles	37.4	7.0	37.5	7.7	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	48.3	1.6	50.0	1.7
500 to 749 miles	S	S	47.5	6.2	44.4	6.5
750 to 999 miles	36.5	7.4	43.2	7.2	41.3	9.0
1,000 to 1,499 miles	47.9	3.0	40.0	4.2	37.9	8.3
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	—	—
Air (includes truck and air)	24.8	—	20.2	—	18.4	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	S	S	32.8	.6	36.6	.1
100 to 249 miles	22.0	1.5	S	S	S	S
250 to 499 miles	41.5	1.7	26.2	3.3	27.4	2.2
500 to 749 miles	39.1	1.9	S	S	49.2	5.1
750 to 999 miles	26.1	2.5	15.3	2.5	14.7	2.5
1,000 to 1,499 miles	25.0	3.1	16.7	4.0	16.6	4.3
1,500 to 1,999 miles	29.1	1.6	19.7	.7	21.9	1.1
2,000 miles or more	48.6	.2	S	S	S	S
Pipeline	10.1	—	11.7	—	S	S
Less than 50 miles	13.3	4.5	14.1	4.5	S	S
50 to 99 miles	26.5	1.2	27.6	.7	S	S
100 to 249 miles	19.5	3.1	21.9	2.2	S	S
250 to 499 miles	42.2	2.6	44.0	3.0	S	S
500 to 749 miles	41.8	1.4	40.1	1.5	S	S
750 to 999 miles	45.5	.6	45.8	1.3	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	12.8	—	18.1	—	48.0	—
Less than 50 miles	10.9	1.7	31.6	4.6	36.3	.8
50 to 99 miles	18.1	.6	25.5	.3	24.4	—
100 to 249 miles	14.6	.6	39.0	6.1	38.7	4.1
250 to 499 miles	8.1	.6	28.6	3.0	38.5	3.1
500 to 749 miles	14.2	.6	S	S	S	S
750 to 999 miles	19.2	.7	30.7	2.1	33.1	3.7
1,000 to 1,499 miles	21.2	1.7	49.1	4.3	S	S
1,500 to 1,999 miles	11.6	.6	17.0	1.1	18.0	2.8
2,000 miles or more	S	S	29.2	—	27.6	.4
Parcel, U.S. Postal Service or courier	13.6	—	5.6	—	6.7	—
Less than 50 miles	11.4	1.8	11.2	1.3	11.3	—
50 to 99 miles	18.6	.6	10.9	.6	11.4	.1
100 to 249 miles	14.7	.6	7.4	.7	8.4	.4
250 to 499 miles	8.2	.6	6.1	.9	6.6	.7
500 to 749 miles	15.3	.7	7.6	.6	7.4	.9
750 to 999 miles	20.5	.7	9.7	.9	9.5	.8
1,000 to 1,499 miles	23.1	1.8	8.2	.9	8.0	1.3
1,500 to 1,999 miles	12.4	.6	18.6	.8	19.3	1.8
2,000 miles or more	S	S	13.6	—	15.0	.2
Truck and rail	12.4	—	16.7	—	12.5	—
Less than 50 miles	44.3	2.3	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	42.9	1.6	39.3	6.9	39.5	3.9
250 to 499 miles	34.8	2.7	26.0	1.8	26.7	1.3
500 to 749 miles	29.7	3.5	35.3	3.3	32.1	2.5
750 to 999 miles	23.7	1.9	20.2	2.1	20.3	1.7
1,000 to 1,499 miles	17.5	4.5	21.5	4.9	20.2	4.3
1,500 to 1,999 miles	23.5	2.7	18.5	2.3	18.7	2.8
2,000 miles or more	S	S	S	S	S	S
Truck and water	46.0	—	45.0	—	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	26.0	7.5	37.5	8.2	37.7	9.7

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	S	S	S	S	S	S
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	S	S	48.0	—	45.1	—
Less than 50 miles	41.7	8.9	42.4	9.2	43.3	12.1
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	46.2	1.9	46.4	.2
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	10.8	—	18.8	—	11.5	—
Less than 50 miles	15.5	3.6	21.3	4.3	31.8	4.7
50 to 99 miles	13.9	.6	25.1	.9	24.8	1.0
100 to 249 miles	14.6	1.7	22.0	2.2	26.7	3.2
250 to 499 miles	13.7	.9	30.7	1.4	26.4	1.7
500 to 749 miles	23.6	1.2	49.0	.5	47.9	3.3
750 to 999 miles	18.9	.3	40.0	.6	35.8	2.1
1,000 to 1,499 miles	15.3	1.0	16.5	.5	16.5	3.8
1,500 to 1,999 miles	25.0	.3	30.5	.2	30.0	1.9
2,000 miles or more	S	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	5.0	—	4.8	—	7.6	—	6.4
Less than 50 lb	12.4	.9	4.8	—	7.7	—	6.3
50 to 99 lb	12.9	.3	6.7	—	6.8	—	6.5
100 to 499 lb	12.2	.9	4.5	—	8.0	—	8.0
500 to 749 lb	8.2	.2	6.3	—	6.2	—	5.8
750 to 999 lb	9.9	.1	6.3	—	9.4	—	7.3
1,000 to 9,999 lb	7.0	.9	3.6	.2	5.8	.2	6.1
10,000 to 49,999 lb	9.2	1.7	6.1	1.8	6.4	1.8	6.0
50,000 to 99,999 lb	10.2	.4	6.5	.8	6.3	.5	4.2
100,000 lb or more	6.1	.9	8.3	2.1	10.6	2.4	3.1
Single modes	5.3	—	4.9	—	6.9	—	6.2
Less than 50 lb	19.1	.7	5.2	—	8.5	—	7.9
50 to 99 lb	20.9	.3	8.9	—	16.6	—	13.8
100 to 499 lb	14.2	.9	4.9	—	10.5	—	10.4
500 to 749 lb	7.2	.2	6.6	—	6.7	—	5.8
750 to 999 lb	9.6	.1	5.9	—	9.2	—	6.9
1,000 to 9,999 lb	7.2	1.0	3.5	.2	5.9	.2	6.0
10,000 to 49,999 lb	9.4	1.8	6.4	1.8	6.5	1.7	6.1
50,000 to 99,999 lb	10.6	.4	6.6	.8	6.3	.5	4.2
100,000 lb or more	6.5	1.0	8.2	2.0	9.3	2.2	3.4
Truck	5.6	—	4.5	—	5.9	—	6.8
Less than 50 lb	6.6	.2	5.3	—	10.6	—	10.1
50 to 99 lb	19.2	.3	9.1	—	18.9	—	15.8
100 to 499 lb	15.2	1.1	5.0	—	10.9	—	10.8
500 to 749 lb	7.6	.3	6.6	—	6.7	—	5.8
750 to 999 lb	9.5	.2	5.9	—	9.4	—	7.0
1,000 to 9,999 lb	7.5	1.5	3.5	.4	4.8	.3	5.4
10,000 to 49,999 lb	9.3	2.0	6.3	1.8	5.6	1.1	5.9
50,000 to 99,999 lb	11.3	.5	6.7	1.8	6.6	.9	4.3
100,000 lb or more	13.8	.2	18.5	1.0	26.2	1.0	18.5
For-hire truck	6.7	—	6.2	—	6.9	—	4.6
Less than 50 lb	9.5	.2	9.6	—	15.1	—	6.5
50 to 99 lb	31.2	.3	13.2	—	28.9	—	8.1
100 to 499 lb	25.6	1.5	9.6	—	15.1	.1	5.7
500 to 749 lb	15.0	.4	12.7	—	8.0	—	4.2
750 to 999 lb	14.9	.3	9.1	—	11.3	—	5.4
1,000 to 9,999 lb	9.5	1.0	5.3	.3	5.0	.4	2.8
10,000 to 49,999 lb	7.4	1.8	8.1	2.0	5.8	1.2	4.9
50,000 to 99,999 lb	8.3	.5	8.2	2.0	8.2	1.0	6.2
100,000 lb or more	19.0	.4	18.8	.9	33.6	1.3	10.2
Private truck	8.4	—	6.8	—	8.9	—	8.1
Less than 50 lb	7.6	.5	6.0	—	12.2	—	11.5
50 to 99 lb	12.8	.4	10.7	—	14.9	—	14.4
100 to 499 lb	5.5	.8	5.7	.1	9.0	—	7.3
500 to 749 lb	6.6	.3	7.5	—	9.0	—	7.6
750 to 999 lb	10.1	.3	6.8	—	17.0	—	9.6
1,000 to 9,999 lb	12.8	2.4	4.4	.7	12.0	.8	11.4
10,000 to 49,999 lb	19.1	3.0	10.1	2.7	10.3	2.0	13.7
50,000 to 99,999 lb	17.5	.9	9.3	2.5	10.8	2.0	6.5
100,000 lb or more	18.5	.2	28.6	1.5	23.2	.5	35.0
Rail	16.5	—	11.6	—	11.2	—	3.0
Less than 50 lb	S	S	S	S	S	S	21.4
50 to 99 lb	S	S	S	S	S	S	43.7
100 to 499 lb	40.7	—	S	S	S	S	15.9
500 to 749 lb	S	S	S	S	S	S	19.3
750 to 999 lb	48.2	—	S	S	S	S	19.3
1,000 to 9,999 lb	S	S	S	S	S	S	8.6
10,000 to 49,999 lb	S	S	33.6	.3	44.7	.6	6.6
50,000 to 99,999 lb	31.3	1.7	16.0	.5	13.2	.3	12.9
100,000 lb or more	13.6	2.6	11.7	.7	10.4	.8	3.0
Water	7.4	—	11.0	—	16.1	—	11.2
Less than 50 lb	S	S	S	S	S	S	22.1
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	26.4
500 to 749 lb	S	S	S	S	S	S	21.8
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	31.1	—	44.6	.1	39.4
50,000 to 99,999 lb	S	S	S	S	S	S	22.0
100,000 lb or more	7.3	.3	11.0	—	16.1	.1	9.1
Shallow draft	7.3	—	12.5	—	14.0	—	7.5
Less than 50 lb	S	S	S	S	S	S	22.2
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	22.1
500 to 749 lb	S	S	S	S	S	S	21.2
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	39.5
10,000 to 49,999 lb	S	S	43.1	—	S	S	32.1
50,000 to 99,999 lb	S	S	S	S	S	S	22.1
100,000 lb or more	7.3	.4	12.5	—	14.0	.2	7.5

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	27.3	—	25.5	—	29.7	—	31.4
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	26.8
500 to 749 lb	S	S	S	S	S	S	21.8
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	25.0
10,000 to 49,999 lb	39.8	3.3	39.1	4.4	S	S	26.0
50,000 to 99,999 lb	S	S	S	S	S	S	23.2
100,000 lb or more	27.4	1.1	25.6	1.1	29.7	1.2	17.4
Air (includes truck and air)	24.8	—	20.2	—	18.4	—	1.9
Less than 50 lb	48.3	5.4	11.5	2.0	12.0	2.1	2.1
50 to 99 lb	31.1	2.9	15.4	1.3	16.1	1.4	3.7
100 to 499 lb	16.9	3.8	11.6	3.2	12.5	3.1	4.8
500 to 749 lb	18.7	1.3	17.8	1.5	17.9	2.2	7.1
750 to 999 lb	49.0	.5	38.8	1.6	47.7	1.1	8.2
1,000 to 9,999 lb	32.0	4.4	21.7	4.6	18.5	4.3	5.3
10,000 to 49,999 lb	S	S	S	S	S	S	13.4
50,000 to 99,999 lb	S	S	S	S	S	S	22.2
100,000 lb or more	—	—	—	—	—	—	—
Pipeline	10.1	—	11.7	—	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	39.2	2.2	S	S	S	S	S
50,000 to 99,999 lb	S	S	30.1	—	S	S	S
100,000 lb or more	10.1	.3	11.8	—	S	S	S
Multiple modes	12.8	—	18.1	—	48.0	—	3.6
Less than 50 lb	17.3	2.2	7.5	1.2	9.3	1.1	3.7
50 to 99 lb	6.5	.9	7.4	.6	7.2	.4	3.3
100 to 499 lb	24.9	1.8	7.8	1.1	9.3	.9	5.3
500 to 749 lb	38.9	1.2	10.3	.1	12.3	.1	10.7
750 to 999 lb	33.3	.4	25.1	.2	47.4	.3	12.4
1,000 to 9,999 lb	29.2	—	24.4	—	22.3	.1	37.0
10,000 to 49,999 lb	9.0	.4	15.3	3.5	14.4	5.4	4.1
50,000 to 99,999 lb	29.5	.3	33.0	4.2	30.1	2.2	38.9
100,000 lb or more	22.8	.7	27.5	7.7	S	S	16.8
Parcel, U.S. Postal Service or courier	13.6	—	5.6	—	6.7	—	3.6
Less than 50 lb	17.3	2.1	7.5	2.0	9.3	2.6	3.7
50 to 99 lb	6.5	1.0	7.4	1.0	7.2	.8	3.3
100 to 499 lb	24.9	1.8	7.9	1.3	9.4	1.7	4.5
500 to 749 lb	39.0	1.2	10.4	.5	12.6	.5	10.5
750 to 999 lb	33.3	.4	24.9	.9	47.4	1.3	12.4
1,000 to 9,999 lb	31.9	—	S	S	38.6	—	S
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	12.4	—	16.7	—	12.5	—	9.9
Less than 50 lb	S	S	S	S	S	S	21.8
50 to 99 lb	S	S	S	S	S	S	21.5
100 to 499 lb	S	S	S	S	48.3	—	48.0
500 to 749 lb	S	S	S	S	S	—	27.9
750 to 999 lb	S	S	S	S	S	S	21.8
1,000 to 9,999 lb	39.0	1.2	29.5	.3	27.5	.5	19.5
10,000 to 49,999 lb	9.5	5.1	15.0	7.5	14.5	4.8	4.0
50,000 to 99,999 lb	35.6	1.8	37.0	6.0	32.0	2.8	44.2
100,000 lb or more	24.7	4.5	35.5	7.0	21.6	4.9	17.1
Truck and water	46.0	—	45.0	—	S	S	13.1
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	21.7
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	39.8	5.4	S	S	32.9	7.0	24.4
10,000 to 49,999 lb	S	S	S	S	36.2	8.2	32.9
50,000 to 99,999 lb	S	S	46.4	5.9	S	S	20.1
100,000 lb or more	S	S	45.6	13.6	S	S	25.2

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	S	S	S	S	S	S	28.4
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	28.4
Other multiple modes	S	S	48.0	—	45.1	—	S
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	21.2
10,000 to 49,999 lb	43.0	7.5	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	24.6
100,000 lb or more	S	S	S	S	45.5	8.8	21.7
Other and unknown modes	10.8	—	18.8	—	11.5	—	14.6
Less than 50 lb	12.2	1.1	40.2	—	37.9	—	18.2
50 to 99 lb	11.3	.3	18.8	—	23.4	—	44.6
100 to 499 lb	12.5	.6	15.5	.1	14.3	—	23.1
500 to 749 lb	16.7	.4	34.1	.3	19.6	—	37.0
750 to 999 lb	33.6	.6	S	S	35.2	.1	S
1,000 to 9,999 lb	10.2	2.5	15.3	1.1	11.9	1.5	15.2
10,000 to 49,999 lb	11.8	2.3	12.6	3.4	11.5	4.1	14.4
50,000 to 99,999 lb	18.6	.5	14.0	1.8	17.9	1.7	S
100,000 lb or more	26.8	4.3	22.5	5.5	21.3	5.8	22.5

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	5.0	—	4.8	—	7.6	—	6.4
01	Live animals and live fish	30.3	—	34.4	—	28.2	—	S
02	Cereal grains	29.3	.3	25.9	1.0	13.8	.2	14.5
03	Other agricultural products	16.4	.2	21.3	.3	20.7	.3	S
04	Animal feed and products of animal origin, n.e.c.	18.8	.2	13.2	.3	13.9	.2	S
05	Meat, fish, seafood, and their preparations	8.1	.3	8.2	—	11.9	.2	21.3
06	Milled grain products and preparations, and bakery products	26.2	.2	13.6	—	11.5	.2	42.9
07	Other prepared foodstuffs and fats and oils	16.9	.6	9.9	.2	10.5	.4	18.3
08	Alcoholic beverages	10.2	.1	15.2	—	31.3	—	8.5
09	Tobacco products	34.3	—	35.0	—	34.6	—	17.9
10	Monumental or building stone	48.4	—	42.7	—	S	S	17.5
11	Natural sands	16.3	—	24.9	1.2	22.7	.2	S
12	Gravel and crushed stone	14.8	—	15.4	1.2	12.7	.2	14.0
13	Nonmetallic minerals n.e.c.	9.5	—	38.4	1.1	39.3	1.0	31.2
14	Metallic ores and concentrates	40.0	—	S	S	38.5	.3	30.5
15	Coal	17.7	—	19.9	.6	16.6	—	34.5
17	Gasoline and aviation turbine fuel	5.8	.4	16.3	1.9	29.9	3.7	8.8
18	Fuel oils	14.4	.4	15.8	1.2	18.5	.7	6.6
19	Coal and petroleum products, n.e.c.	9.0	.3	10.5	.9	11.4	.7	16.8
20	Basic chemicals	24.3	1.5	13.7	1.2	21.5	2.4	12.6
21	Pharmaceutical products	9.8	.2	17.4	—	22.1	—	11.2
22	Fertilizers	19.6	.1	14.9	.2	20.8	.5	21.5
23	Chemical products and preparations, n.e.c.	11.0	.2	11.0	.1	16.6	.4	9.9
24	Plastics and rubber	4.9	.4	7.3	.2	9.3	.4	6.0
25	Logs and other wood in the rough	20.0	—	30.4	.8	40.2	.4	S
26	Wood products	20.0	.4	33.1	1.1	36.9	1.3	14.3
27	Pulp, newsprint, paper, and paperboard	10.8	.1	7.0	.1	6.9	.4	8.7
28	Paper or paperboard articles	8.0	.1	8.3	—	11.0	—	18.4
29	Printed products	6.8	.1	21.7	.1	17.9	—	14.0
30	Textiles, leather, and articles of textiles or leather	27.1	.8	39.9	.1	22.4	.1	5.4
31	Nonmetallic mineral products	5.2	—	9.9	.8	8.5	.5	14.0
32	Base metal in primary or semifinished forms and in finished basic shapes	11.4	.4	22.5	.3	14.5	.5	12.1
33	Articles of base metal	5.6	.3	14.4	.2	17.2	.4	10.4
34	Machinery	8.2	.4	9.2	—	10.2	.1	9.9
35	Electronic and other electrical equipment and components and office equipment	17.6	2.0	18.8	—	16.7	.2	7.3
36	Motorized and other vehicles (including parts)	11.4	.4	12.7	—	15.5	—	14.2
37	Transportation equipment, n.e.c.	9.0	—	26.9	—	39.8	—	11.4
38	Precision instruments and apparatus	47.3	.8	20.0	—	34.0	—	9.0
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	33.9	.4	29.0	—	15.1	—	9.6
40	Miscellaneous manufactured products	17.0	.7	10.4	—	12.5	.2	8.3
41	Waste and scrap	12.8	—	14.8	.1	13.0	.1	15.3
43	Mixed freight	23.4	.8	19.0	.2	23.1	.1	12.3
—	Commodity unknown	26.5	.1	24.8	—	32.4	.1	11.7

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	5.0	—	4.8	—	7.6	—	6.4
010	Live animals and live fish	30.3	—	34.4	—	28.2	—	S
021	Wheat	15.0	—	14.7	.1	19.7	.2	13.5
022	Corn, except sweet	29.9	.2	29.4	.5	27.6	—	34.1
029	Other cereal grains	S	S	S	S	26.4	.1	15.7
031	Fresh or chilled potatoes (Irish potatoes), except sweet	47.0	—	S	S	S	S	49.2
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	36.5	—	33.6	—	43.2	—	S
033	Fresh, chilled, or dried edible fruit and nuts	26.6	—	41.2	—	S	S	S
034	Soya beans	26.4	.2	26.8	.3	27.0	.2	23.3
035	Oil seeds and nuts, except olives and soya beans	16.6	—	21.6	—	22.5	—	43.4
036	Bulbs, live plants, and seeds for sowing, n.e.c.	30.9	—	39.1	—	38.5	—	20.1
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	21.2	—	38.7	—	S	S	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	18.3	—	19.6	.1	25.8	.2	27.1
042	Animal feed preparations	23.3	.2	15.2	.2	16.1	.2	S
051	Meat including poultry, except preparations	8.9	.3	8.6	—	12.4	.2	22.6
052	Fish, except live, and seafood, except preparations	40.4	—	32.4	—	S	S	34.5
053	Preparations, extracts, and juices of meat, fish, or seafood	38.3	—	37.0	—	40.9	—	25.0
061	Wheat flour, groats, and meal	34.3	—	41.4	—	38.8	—	43.2
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	19.5	—	18.9	—	22.0	.2	34.3
063	Food preparations of cereals, flour, starch, or milk	S	S	32.5	—	25.5	—	18.9
064	Bakery products	40.6	.2	21.8	—	18.3	—	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	12.4	—	15.1	—	27.5	—	28.6
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	8.8	—	10.3	—	15.7	.1	17.1
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	29.6	—	32.6	—	36.8	—	31.6
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	19.8	—	24.7	—	25.1	.1	13.3
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	38.5	—	33.9	.1	40.5	.2	13.4
076	Confectionery, cocoa, and cocoa preparations	35.8	—	39.2	—	46.1	—	23.9
077	Edible preparations, n.e.c. and vinegar	16.5	.1	14.5	—	12.0	—	14.1
078	Nonalcoholic beverages, n.e.c. and ice	42.6	.5	22.6	.2	20.0	.1	17.1
081	Malt Beer	13.0	.1	16.1	—	31.4	—	9.0
082	Wine and other fermented beverages	21.5	—	20.6	—	19.5	—	18.0
083	Spirituos beverages and ethyl alcohol	14.6	—	21.1	—	47.8	—	13.4
090	Tobacco products	34.3	—	35.0	—	34.6	—	17.9
100	Monumental or building stone, except dolomite	48.4	—	42.7	—	S	S	17.5
110	Natural sands, except metal-bearing	16.3	—	24.9	1.2	22.7	.2	S
120	Gravel and crushed stone, except dolomite and slate	14.8	—	15.4	1.2	12.7	.2	14.0
131	Salt	18.6	—	46.7	.3	S	S	25.4
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	46.1	—	45.3	—	21.7
133	Dolomite	S	S	S	S	S	—	S
139	Other nonmetallic minerals	13.6	—	S	S	19.5	.2	38.7
141	Iron ores and concentrates	S	S	S	S	S	S	21.0
149	Other metallic ores and concentrates	40.8	—	S	S	38.1	.3	23.7
151	Nonagglomerated bituminous coal	29.7	—	29.7	—	42.8	—	16.7
159	Other coal	19.3	—	20.7	.6	17.6	—	S
171	Gasoline	6.4	.4	12.6	1.2	29.2	2.6	9.3
172	Aviation turbine fuel (types A and B)	14.5	—	35.5	.9	41.9	1.6	13.8
180	Fuel oils	14.4	.4	15.8	1.2	18.5	.7	6.6
191	Lubricating oils and greases	18.5	.2	17.7	.2	27.7	.6	17.5
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	24.9	.2	22.7	.5	37.5	.5	S
193	Gaseous hydrocarbons	14.3	.1	14.8	.3	24.3	.2	21.0
199	Other products of petroleum refining, and coal products	15.9	.1	21.1	.7	16.5	.5	30.7
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	22.3	.1	22.3	.3	40.1	1.2	13.3
202	Inorganic chemicals, n.e.c.	12.4	.2	18.7	.5	21.2	.8	27.0
203	Cyclic hydrocarbons	38.8	.2	14.4	—	27.6	.3	17.5
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	31.5	.3	34.2	.3	48.2	.8	11.2
205	Organic chemicals, n.e.c.	32.1	1.3	23.9	.9	32.1	1.6	9.9
210	Pharmaceutical products	9.8	.2	17.4	—	22.1	—	11.2
220	Fertilizers and fertilizer materials	19.6	.1	14.9	.2	20.8	.5	21.5
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	24.9	—	21.8	—	23.1	—	39.4
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	21.4	—	S	S	41.7	—	15.0
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	23.5	—	33.9	—	42.6	.3	17.7
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	29.5	—	48.0	—	S	S	38.5
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	17.1	.1	21.0	—	30.7	—	30.7
239	Other chemical products and preparations	18.9	.1	14.1	—	13.6	.2	11.5
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	7.3	.2	9.2	.1	11.9	.4	7.4
242	Manmade fibers and plastics basic shapes and articles	7.2	.2	10.9	—	11.5	.1	6.5

See footnotes at end of table.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	9.0	—	10.2	—	13.0	—	15.2
250	Logs and other wood in the rough	20.0	—	30.4	.8	40.2	.4	S
261	Wood chips or particles	31.8	—	30.6	.2	28.7	—	18.9
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	7.7	—	7.8	—	6.9	.1	7.2
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	43.0	.4	S	S	S	S	11.1
264	Builders' joinery and carpentry of wood, except shingles and shakes	13.8	—	14.2	—	22.8	—	19.4
269	Other wood products	16.5	—	S	S	41.5	—	13.5
271	Pulp of fibrous cellulosic materials	37.7	—	S	S	45.6	—	30.2
272	Newsprint in large rolls or sheets	20.2	—	17.9	—	20.2	—	15.2
273	Uncoated paper and paperboard in large rolls or sheets	17.2	.1	8.8	—	9.9	.3	12.0
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	12.4	—	16.5	—	17.7	.2	16.6
280	Paper or paperboard articles	8.0	.1	8.3	—	11.0	—	18.4
291	Printed books, brochures, leaflets, and similar printed products	13.8	—	S	S	18.8	—	6.6
292	Newspapers, journals, and periodicals	15.8	—	12.9	—	S	S	38.3
293	Advertising material, commercial or trade catalogues, and similar printed products	22.0	—	25.4	—	36.9	—	S
299	Other printed products	16.3	—	13.5	—	19.3	—	16.2
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	17.3	—	26.7	—	33.9	—	10.7
302	Textile clothing and accessories, and headgear, except safety	31.9	.7	S	S	30.6	—	6.0
303	Textiles and textile articles, n.e.c.	14.0	—	22.8	—	19.7	—	9.3
304	Footwear	S	S	S	S	S	S	8.4
305	Leather and articles, luggage of related materials, and dressed furskins and articles	29.9	—	S	S	S	S	12.0
311	Hydraulic cements	11.5	—	11.6	.1	9.7	—	9.0
312	Ceramic products	11.8	—	15.2	—	23.8	—	15.7
313	Glass and glass products	13.2	—	17.3	—	14.9	—	19.0
319	Other nonmetallic mineral products	9.8	—	12.5	.8	12.9	.4	20.7
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	13.4	—	14.0	—	15.4	—	24.4
322	Flat-rolled products of iron or steel	39.8	.3	S	S	S	S	15.7
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	11.6	.1	12.7	.1	14.3	.3	16.8
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	12.4	.2	13.2	—	17.5	.1	9.0
331	Pipes, tubes, and fittings	8.1	.2	19.4	.1	23.9	.3	15.1
332	Structures and parts, except prefabricated buildings	10.5	—	31.3	.1	40.0	.3	21.2
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	15.4	.1	15.0	—	19.7	—	14.3
339	Other articles of metal	14.0	.1	12.2	—	15.2	—	12.2
341	Internal-combustion piston engines	22.7	—	25.7	—	33.1	—	18.0
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	32.8	.1	40.7	—	40.2	—	14.4
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	12.2	—	15.8	—	23.9	—	14.1
344	Air-conditioning, refrigerating, or freezing equipment	30.2	.2	27.5	—	31.1	—	21.0
345	Materials-handling, excavating, boring, and related machinery and equipment	15.3	.1	18.7	—	26.7	—	12.2
349	Other machinery	11.7	.2	11.3	—	15.0	—	13.5
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	20.9	.1	18.3	—	20.9	—	10.7
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	40.5	—	44.2	—	46.2	—	25.2
353	Line telephone or telegraph apparatus	29.8	.3	30.4	—	39.3	—	13.7
354	Electronic entertainment products, except parts	S	S	38.0	—	35.4	—	9.8
355	Computer and office equipment	35.7	1.3	34.5	—	36.4	—	7.1
356	Prepared unrecorded or prerecorded media	28.5	—	S	S	S	S	7.7
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	26.7	.1	31.0	—	39.3	—	16.1
358	Electronic components and parts	32.2	1.1	S	S	40.2	—	6.7
359	Other electronic and electrical equipment	28.2	.7	29.0	—	21.8	—	10.2
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	33.0	.3	30.2	—	41.1	—	17.4
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	22.1	—	21.2	—	33.4	—	25.7
363	Other vehicles	31.5	.2	31.6	—	22.4	—	23.5
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	12.3	.2	11.1	—	15.3	—	14.8
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	39.4	—	33.8	—	41.3	—	23.5
372	Aircraft and spacecraft	15.5	.1	19.5	—	21.2	—	13.1
373	Ships, boats, and floating structures	32.9	—	27.4	—	S	S	17.3
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	S	S	S	S	13.8
382	Photographic and photocopying machines	46.7	—	33.6	—	32.4	—	18.7
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	43.8	—	36.5	—	37.9	—	S
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	22.6	—	17.1	—	25.8	—	15.6

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	11.7	—	19.2	—	17.2	—	10.2
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	33.9	.4	29.0	—	15.1	—	9.6
401	Arms and ammunition	31.5	—	S	S	S	S	12.3
402	Toys, games, and sporting equipment	32.8	.2	S	S	37.9	—	8.4
409	Miscellaneous manufactured products	20.0	.7	11.5	—	14.2	.2	9.4
411	Metallic waste and scrap	13.7	—	16.9	—	17.3	.1	13.7
412	Nonmetallic waste and scrap, except from food processing	38.7	—	35.9	—	29.9	—	31.8
439	Mixed freight	23.4	.8	19.0	.2	23.1	.1	12.3
—	Commodity unknown	26.5	.1	24.8	—	32.4	.1	11.7

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	5.0	—	4.8	—	7.6	—	6.4
Single modes	5.3	1.0	4.9	1.0	6.9	1.3	6.2
Truck	5.6	1.2	4.5	2.1	5.9	2.2	6.8
For-hire truck	6.7	1.5	6.2	1.4	6.9	1.7	4.6
Private truck	8.4	1.4	6.8	1.6	8.9	.7	8.1
Rail	16.5	1.0	11.6	1.0	11.2	1.8	3.0
Water	7.4	.5	11.0	1.1	16.1	2.7	11.2
Shallow draft	7.3	.3	12.5	1.0	14.0	1.7	7.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	27.3	.3	25.5	.7	29.7	2.1	31.4
Air (includes truck and air)	24.8	.6	20.2	—	18.4	—	1.9
Pipeline	10.1	.6	11.7	1.7	S	S	S
Multiple modes	12.8	1.0	18.1	.2	48.0	1.3	3.6
Parcel, U.S. Postal Service or courier	13.6	1.0	5.6	—	6.7	—	3.6
Truck and rail	12.4	—	16.7	—	12.5	.2	9.9
Truck and water	46.0	—	45.0	.1	S	S	13.1
Rail and water	S	S	S	S	S	S	28.4
Other multiple modes	S	S	48.0	.1	45.1	.2	S
Other and unknown modes	10.8	.4	18.8	.9	11.5	.2	14.6
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	30.3	—	34.4	—	28.2	—	S
Single modes	30.6	.8	34.4	.4	28.2	.1	S
Truck	30.6	.8	34.4	.4	28.2	.1	S
For-hire truck	38.4	8.0	41.7	8.5	42.0	9.6	26.7
Private truck	33.7	8.2	49.1	8.6	23.0	9.7	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	24.2
SCTG 02, CEREAL GRAINS							
Total	29.3	—	25.9	—	13.8	—	14.5
Single modes	17.4	8.8	18.9	8.9	11.5	3.7	14.7
Truck	13.4	7.4	12.6	8.5	20.5	5.9	15.1
For-hire truck	15.7	5.3	16.4	5.5	26.3	4.5	16.6
Private truck	21.6	4.7	18.8	6.1	27.3	4.4	22.0
Rail	26.7	4.4	28.8	4.1	30.3	5.9	15.6
Water	44.5	5.1	45.0	5.2	22.3	7.0	17.6
Shallow draft	S	S	S	S	22.6	7.0	16.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.4
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	S	S	S	S	S	S	21.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	49.9	8.7	49.5	3.7	30.8

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	16.4	—	21.3	—	20.7	—	S
Single modes	19.1	5.0	25.6	6.5	21.5	2.8	S
Truck	16.1	7.3	18.0	9.1	27.4	7.1	S
For-hire truck	16.8	5.0	23.2	5.3	31.0	6.5	12.2
Private truck	21.5	6.4	22.0	6.0	21.3	2.7	32.1
Rail	S	S	S	S	48.1	3.1	25.5
Water	45.6	6.7	45.3	8.4	36.3	7.4	21.8
Shallow draft	S	S	S	S	41.6	7.3	20.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	28.9
Air (includes truck and air)	S	S	S	S	S	S	21.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	16.2
Parcel, U.S. Postal Service or courier	S	S	38.1	—	35.5	—	17.1
Truck and rail	S	S	S	S	S	S	22.1
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	48.8	5.1	S	S	43.7	2.9	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	18.8	—	13.2	—	13.9	—	S
Single modes	20.3	3.0	13.8	1.6	15.1	2.5	S
Truck	21.2	3.4	13.0	2.0	15.3	4.4	S
For-hire truck	18.3	3.6	20.4	2.7	23.4	4.7	8.1
Private truck	26.1	4.7	15.2	3.1	16.4	4.7	S
Rail	48.0	1.8	44.5	1.3	48.2	4.0	15.5
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	28.2	2.1	44.7	1.3	30.6	2.4	15.7
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.4
Truck and rail	41.8	2.0	37.3	.5	41.9	2.0	19.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	47.1	.9	S	S	S	S	20.5
Other and unknown modes	23.2	1.3	32.2	1.3	27.5	.6	32.9
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	8.1	—	8.2	—	11.9	—	21.3
Single modes	8.1	.4	8.3	.7	12.2	.7	21.8
Truck	8.0	1.3	8.6	1.6	12.2	1.8	21.7
For-hire truck	12.3	3.0	11.7	3.0	12.7	2.8	4.4
Private truck	7.4	3.0	9.1	2.8	15.8	2.0	26.5
Rail	S	S	S	S	45.6	1.5	17.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	23.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.5
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	40.1	.4	38.2	.7	30.9	.6	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	26.2	—	13.6	—	11.5	—	42.9
Single modes	26.3	.4	13.8	.6	11.4	.9	37.6
Truck	27.4	2.0	15.7	3.4	14.4	5.1	36.7
For-hire truck	13.4	4.4	26.1	4.0	15.9	3.8	12.2
Private truck	34.6	5.1	16.7	4.2	17.4	2.6	32.6
Rail	22.2	1.8	19.0	3.2	19.1	4.8	8.9
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	30.4	.2	43.2	.3	46.5	.7	18.6
Parcel, U.S. Postal Service or courier	46.6	—	S	S	S	S	18.8
Truck and rail	38.2	.2	45.7	.3	S	S	19.3
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	35.1	.2	39.5	.4	45.9	.2	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	16.9	—	9.9	—	10.5	—	18.3
Single modes	17.3	.6	9.9	.7	10.2	1.6	9.9
Truck	17.4	1.2	10.6	2.6	10.2	3.2	9.9
For-hire truck	10.0	3.4	13.6	3.7	13.0	4.0	9.9
Private truck	25.2	3.6	16.4	3.9	15.7	3.1	12.5
Rail	18.4	.5	17.5	.9	21.8	2.1	9.6
Water	47.0	.9	48.7	2.1	S	S	21.6
Shallow draft	47.0	.9	48.7	2.1	S	S	21.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	32.0	.4	49.9	.3	36.0	.8	13.1
Parcel, U.S. Postal Service or courier	S	S	48.2	—	S	S	14.1
Truck and rail	36.8	.3	S	S	39.6	.7	15.1
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	26.5
Other and unknown modes	31.9	.5	40.6	.7	48.6	1.5	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	10.2	—	15.2	—	31.3	—	8.5
Single modes	10.5	.7	15.5	.9	31.4	1.4	8.7
Truck	9.6	1.7	14.3	1.8	28.7	4.9	8.3
For-hire truck	31.2	3.8	32.7	4.2	31.1	9.8	22.4
Private truck	6.9	4.7	10.7	4.9	22.8	12.1	7.4
Rail	46.9	1.7	S	S	S	S	22.2
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	48.0	.7	47.8	.9	S	S	19.1

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	34.3	—	35.0	—	34.6	—	17.9
Single modes	35.3	2.2	36.1	2.6	35.5	4.3	17.0
Truck	35.2	2.2	35.8	2.5	35.5	4.3	17.0
For-hire truck	S	S	S	S	S	S	28.8
Private truck	35.8	5.6	36.2	5.7	36.7	6.6	14.2
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.2
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	44.2	2.2	44.8	2.6	S	S	40.3
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	48.4	—	42.7	—	S	S	17.5
Single modes	47.6	1.1	42.8	1.3	S	S	34.2
Truck	47.6	1.1	42.8	1.3	S	S	34.2
For-hire truck	S	S	S	S	S	S	16.7
Private truck	S	S	S	S	S	S	39.5
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	49.8	1.1	42.4	1.3	S	S	28.3
SCTG 11, NATURAL SANDS							
Total	16.3	—	24.9	—	22.7	—	S
Single modes	16.8	2.4	25.1	1.0	23.7	3.9	S
Truck	18.4	4.0	26.6	3.4	21.0	8.1	40.4
For-hire truck	23.9	4.2	33.6	5.2	20.8	5.7	40.0
Private truck	23.4	6.5	31.1	6.7	33.9	6.6	24.6
Rail	S	S	S	S	S	S	27.1
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	23.9
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	31.2	1.7	39.3	1.0	S	S	45.6

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	14.8	—	15.4	—	12.7	—	14.0
Single modes	15.1	1.3	15.5	.7	12.8	.8	14.2
Truck	16.6	2.5	16.6	2.3	17.1	5.6	14.2
For-hire truck	16.9	3.5	20.5	3.2	19.7	4.0	13.5
Private truck	25.1	4.8	20.4	4.4	21.1	4.6	16.5
Rail	26.5	1.9	30.2	2.1	25.2	5.3	12.3
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	41.9	.7	47.3	.7	45.3
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	9.5	—	38.4	—	39.3	—	31.2
Single modes	10.9	2.7	38.6	.9	39.5	.6	32.3
Truck	13.4	5.6	48.5	7.2	21.7	9.1	32.4
For-hire truck	18.6	5.0	42.4	5.7	23.5	6.8	24.1
Private truck	17.6	4.4	S	S	47.6	5.2	38.2
Rail	27.9	4.2	19.7	5.6	22.5	7.7	17.5
Water	41.5	3.6	S	S	S	S	20.2
Shallow draft	39.2	3.4	S	S	S	S	19.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	23.7
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	40.7	.6	S	S	28.4	—	36.2
Parcel, U.S. Postal Service or courier	45.4	.6	S	S	30.9	—	35.6
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	41.1	2.5	S	S	S	S	47.5
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	40.0	—	S	S	38.5	—	30.5
Single modes	41.2	7.8	S	S	39.1	7.4	27.6
Truck	S	S	S	S	40.2	14.2	32.6
For-hire truck	S	S	S	S	40.5	11.3	18.0
Private truck	37.6	8.9	43.8	9.8	S	S	S
Rail	44.6	4.2	43.1	5.6	44.7	8.7	19.5
Water	S	S	S	S	50.0	8.0	36.4
Shallow draft	49.2	3.0	49.1	3.6	49.0	7.4	23.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	24.8
Air (includes truck and air)	S	S	S	S	S	S	22.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	25.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.2
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	17.7	—	19.9	—	16.6	—	34.5
Single modes	24.6	8.0	28.4	9.1	15.7	8.0	41.0
Truck	26.1	9.9	32.1	11.7	19.3	9.4	32.6
For-hire truck	17.6	9.0	26.3	10.7	19.1	8.7	S
Private truck	37.0	6.5	42.1	7.4	37.4	4.0	S
Rail	43.3	7.0	44.9	8.0	33.0	6.8	S
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.0
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	23.0	7.8	25.3	9.2	23.2	6.5	15.6
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	5.8	—	16.3	—	29.9	—	8.8
Single modes	6.0	.9	16.3	.3	26.4	3.2	19.0
Truck	6.3	2.2	18.5	2.2	15.0	3.5	20.2
For-hire truck	13.8	1.7	16.0	1.5	25.5	2.2	25.4
Private truck	6.6	1.2	27.2	1.3	12.7	1.4	7.1
Rail	S	S	S	S	50.0	—	41.1
Water	21.6	2.0	35.7	2.5	42.7	7.7	12.7
Shallow draft	26.9	1.7	28.9	1.9	39.7	4.9	16.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	31.0	1.1	S	S	S	S	16.5
Air (includes truck and air)	S	S	S	S	S	S	20.9
Pipeline	9.0	2.7	15.3	2.9	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	42.1	.5	42.0	.2	39.8	—	S
SCTG 18, FUEL OILS							
Total	14.4	—	15.8	—	18.5	—	6.6
Single modes	14.7	1.6	16.3	1.6	17.6	1.5	22.1
Truck	16.1	3.4	18.3	2.7	20.6	2.8	21.4
For-hire truck	12.5	1.6	13.2	1.2	27.4	.9	27.1
Private truck	21.8	2.7	23.3	2.4	26.4	2.1	7.5
Rail	38.8	.1	37.8	.1	48.5	.4	17.4
Water	15.1	3.3	19.0	4.2	21.3	7.4	S
Shallow draft	20.2	3.1	24.3	3.9	23.5	6.4	36.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	32.9	1.5	41.7	2.2	S	S	49.9
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	22.9	4.8	24.5	4.9	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	35.6	.5	35.7	.4	45.8	.4	25.7

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	9.0	—	10.5	—	11.4	—	16.8
Single modes	9.7	1.5	10.7	.7	12.0	1.3	17.3
Truck	13.6	3.4	24.5	3.8	35.8	4.9	18.5
For-hire truck	12.7	1.7	39.9	3.3	15.8	2.0	15.4
Private truck	32.3	3.9	29.3	3.3	S	S	23.2
Rail	24.3	2.6	16.9	2.0	17.2	4.1	9.5
Water	20.3	3.3	18.9	4.0	23.9	5.6	22.3
Shallow draft	22.8	3.2	20.7	3.9	19.5	4.2	15.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	38.3	1.5	41.4	1.4	48.9	5.7	22.8
Air (includes truck and air)	S	S	S	S	S	S	21.0
Pipeline	13.5	2.4	11.3	2.4	S	S	S
Multiple modes	S	S	47.8	.4	45.1	1.3	17.5
Parcel, U.S. Postal Service or courier	S	S	41.3	—	43.8	—	17.7
Truck and rail	S	S	S	S	S	S	19.6
Truck and water	S	S	S	S	S	S	29.7
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.3
Other and unknown modes	30.5	1.4	29.0	.5	28.6	.3	S
SCTG 20, BASIC CHEMICALS							
Total	24.3	—	13.7	—	21.5	—	12.6
Single modes	24.7	.8	13.9	1.4	22.2	1.3	14.8
Truck	31.7	2.0	23.0	2.3	45.0	2.1	16.3
For-hire truck	39.0	2.0	34.2	1.8	S	S	6.7
Private truck	11.7	1.3	25.8	2.2	25.5	1.3	27.4
Rail	39.8	2.8	28.8	2.2	29.8	3.3	4.3
Water	12.8	3.0	11.5	3.5	22.3	4.8	14.1
Shallow draft	12.5	2.6	10.1	2.8	18.8	3.9	13.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	31.4	1.1	34.0	2.0	49.5	3.7	47.2
Air (includes truck and air)	S	S	32.8	—	37.2	—	10.7
Pipeline	28.1	3.7	19.6	3.7	S	S	S
Multiple modes	18.9	.2	32.1	.3	36.3	1.1	15.4
Parcel, U.S. Postal Service or courier	32.4	—	S	S	S	S	15.5
Truck and rail	37.2	.2	33.8	—	35.2	.2	14.3
Truck and water	S	S	S	S	S	S	32.0
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	33.0	—	S	S	S	S	33.8
Other and unknown modes	26.0	.8	27.8	1.3	34.9	.6	49.4
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	9.8	—	17.4	—	22.1	—	11.2
Single modes	10.9	4.3	19.3	3.4	23.6	5.5	24.1
Truck	11.2	4.1	19.6	3.6	24.0	6.1	23.9
For-hire truck	16.8	4.5	20.7	5.3	24.0	6.0	21.3
Private truck	16.3	4.1	29.3	3.1	42.2	2.1	30.7
Rail	S	S	S	S	S	S	21.8
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	33.3	.8	S	S	S	S	8.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	17.2	4.2	20.4	3.2	22.5	5.3	8.1
Parcel, U.S. Postal Service or courier	17.3	4.2	21.8	3.3	23.8	5.5	8.1
Truck and rail	S	S	49.1	.3	49.1	.5	20.0
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	35.8	.5	45.0	1.0	S	S	S

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	19.6	—	14.9	—	20.8	—	21.5
Single modes	18.1	2.8	12.4	2.7	20.2	1.4	23.3
Truck	24.7	5.3	15.2	5.5	28.2	4.3	23.0
For-hire truck	23.3	2.6	20.5	2.5	43.6	3.1	12.5
Private truck	34.4	5.0	17.2	4.2	18.8	2.1	18.0
Rail	15.6	3.5	16.9	3.4	18.4	6.1	6.3
Water	27.2	4.0	28.7	4.6	40.4	6.4	26.3
Shallow draft	26.4	3.8	28.2	4.4	40.3	6.1	27.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.2
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	35.8	.8	36.5	.9	S	S	S
Multiple modes	S	S	S	S	S	S	19.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.6
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	S	S	S	S	42.6	.7	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	11.0	—	11.0	—	16.6	—	9.9
Single modes	11.9	1.6	11.8	4.0	17.8	2.3	13.6
Truck	12.6	3.1	11.8	4.6	20.4	3.7	13.9
For-hire truck	10.7	2.8	13.2	3.3	22.9	3.7	8.7
Private truck	25.3	3.1	20.1	2.8	24.0	1.6	9.7
Rail	17.2	1.8	15.5	2.1	16.3	3.3	9.0
Water	S	S	S	S	S	S	46.3
Shallow draft	S	S	S	S	S	S	41.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.5
Air (includes truck and air)	41.8	—	44.1	—	43.4	—	11.2
Pipeline	S	S	46.0	1.0	S	S	S
Multiple modes	18.8	1.0	24.2	.4	29.1	1.0	8.5
Parcel, U.S. Postal Service or courier	17.1	.7	18.4	—	14.9	.2	8.6
Truck and rail	31.5	.4	31.6	.3	32.1	1.1	14.8
Truck and water	S	S	S	S	S	S	22.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	22.9	1.1	S	S	S	S	26.3
SCTG 24, PLASTICS AND RUBBER							
Total	4.9	—	7.3	—	9.3	—	6.0
Single modes	4.8	1.1	7.3	2.3	9.0	1.3	6.0
Truck	5.3	1.9	8.3	2.4	10.7	2.8	6.5
For-hire truck	5.9	1.8	10.0	2.4	11.1	2.4	6.6
Private truck	8.8	1.3	16.2	1.2	15.4	.5	11.2
Rail	8.2	2.0	9.8	3.2	10.2	3.1	3.7
Water	S	S	S	S	S	S	21.9
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.9
Air (includes truck and air)	30.7	.1	35.8	—	45.7	—	5.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	18.2	.9	41.7	.6	44.2	1.3	6.9
Parcel, U.S. Postal Service or courier	21.3	.8	28.6	.1	23.9	—	7.0
Truck and rail	40.0	.5	47.4	.6	46.9	1.3	11.1
Truck and water	S	S	S	S	S	S	21.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	27.6	.9	S	S	33.5	.5	27.4

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	20.0	—	30.4	—	40.2	—	S
Single modes	20.1	.5	29.8	1.5	36.0	2.2	30.8
Truck	18.6	2.0	27.6	4.4	21.2	6.9	39.0
For-hire truck	26.0	6.3	40.5	7.6	29.9	8.1	S
Private truck	24.4	5.6	31.9	7.3	30.0	6.7	33.6
Rail	42.0	1.5	S	S	42.9	2.9	41.3
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.1
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.5
SCTG 26, WOOD PRODUCTS							
Total	20.0	—	33.1	—	36.9	—	14.3
Single modes	20.5	.6	33.5	.5	37.8	1.4	7.7
Truck	13.7	2.2	28.1	2.8	25.0	3.1	8.0
For-hire truck	20.4	1.8	34.7	3.6	29.7	2.1	12.6
Private truck	10.0	2.6	18.4	3.8	14.5	1.8	8.1
Rail	48.8	2.2	S	S	49.8	3.3	10.8
Water	S	S	S	S	S	S	22.8
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	39.2	—	18.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	40.4	.5	S	S	S	S	10.0
Parcel, U.S. Postal Service or courier	S	S	47.7	—	S	S	10.0
Truck and rail	S	S	S	S	S	S	17.5
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	26.0	.4	27.9	.4	S	S	S
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	10.8	—	7.0	—	6.9	—	8.7
Single modes	11.1	.5	6.9	.6	7.0	.7	8.5
Truck	16.0	3.4	7.1	3.9	8.1	4.4	9.7
For-hire truck	8.3	3.5	7.3	3.8	9.6	4.7	7.2
Private truck	35.5	3.5	18.1	2.1	26.9	1.2	12.8
Rail	11.3	3.2	12.5	3.9	11.9	4.5	4.5
Water	S	S	S	S	S	S	23.2
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	23.2
Air (includes truck and air)	S	S	S	S	S	S	20.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	29.9	.3	29.4	.3	29.9	.7	24.6
Parcel, U.S. Postal Service or courier	24.4	—	33.1	—	32.9	—	21.2
Truck and rail	36.5	.3	31.4	.3	31.9	.7	17.2
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	28.3	.3	S	S	S	S	46.5

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	8.0	—	8.3	—	11.0	—	18.4
Single modes	8.6	1.1	8.7	.7	11.7	1.6	27.8
Truck	8.4	1.1	8.4	1.0	10.3	2.2	13.1
For-hire truck	11.9	3.9	10.7	3.6	12.8	3.4	15.2
Private truck	15.9	4.0	12.3	3.5	15.9	3.2	16.0
Rail	S	S	S	S	S	S	21.9
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	19.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.8	1.0	25.9	.3	25.7	1.4	11.7
Parcel, U.S. Postal Service or courier	27.2	.9	32.4	.2	47.2	.8	11.7
Truck and rail	30.6	.2	32.2	.2	31.8	.8	17.3
Truck and water	S	S	S	S	S	S	21.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	24.2	.8	21.3	.7	37.2	.8	31.1
SCTG 29, PRINTED PRODUCTS							
Total	6.8	—	21.7	—	17.9	—	14.0
Single modes	9.0	2.9	25.2	4.0	22.1	4.5	30.8
Truck	9.2	3.0	25.3	4.0	22.4	4.9	39.2
For-hire truck	15.6	3.0	18.3	5.2	25.1	6.3	10.8
Private truck	12.0	3.4	35.1	6.4	20.2	3.6	28.7
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	33.2	.3	29.8	—	32.6	.8	6.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	15.2	3.3	13.9	.9	19.4	3.3	6.9
Parcel, U.S. Postal Service or courier	15.2	3.3	13.9	.9	19.6	3.3	6.9
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	30.6	2.4	46.0	4.0	S	S	S
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	27.1	—	39.9	—	22.4	—	5.4
Single modes	33.1	4.0	43.2	2.7	26.4	3.1	9.9
Truck	33.4	4.1	43.8	2.7	27.5	3.2	10.8
For-hire truck	15.1	3.1	15.7	4.5	17.4	4.4	4.6
Private truck	43.6	6.1	S	S	46.9	4.8	23.3
Rail	S	S	S	S	S	S	22.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	36.7	.3	S	S	S	S	6.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	15.3	3.9	15.0	2.0	21.4	2.6	3.9
Parcel, U.S. Postal Service or courier	15.6	3.9	12.8	2.0	17.4	2.4	3.9
Truck and rail	S	S	S	S	S	S	18.1
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	17.1	.5	48.8	1.7	41.0	1.5	21.4

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	5.2	—	9.9	—	8.5	—	14.0
Single modes	5.2	.9	10.1	.7	8.5	1.4	12.6
Truck	5.4	1.2	10.2	.9	8.6	2.7	14.5
For-hire truck	8.0	2.4	8.5	2.5	10.6	2.7	5.1
Private truck	7.7	2.5	13.7	3.0	16.8	2.6	13.1
Rail	16.0	.6	17.3	.6	20.5	2.3	14.2
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	43.0	.1	S	S	S	S	12.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	21.9	.8	44.6	.5	38.1	1.1	10.5
Parcel, U.S. Postal Service or courier	28.8	.8	30.7	—	32.9	—	10.6
Truck and rail	33.8	.3	45.8	.5	39.7	1.1	47.9
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	16.4	.4	22.7	.6	35.9	1.1	31.1
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	11.4	—	22.5	—	14.5	—	12.1
Single modes	12.3	1.1	24.5	2.8	16.5	3.7	14.3
Truck	6.6	3.2	10.8	5.0	10.8	5.1	14.4
For-hire truck	7.7	2.6	10.8	3.5	11.0	4.3	6.5
Private truck	10.9	2.8	16.2	3.1	14.7	1.0	16.0
Rail	38.1	3.0	S	S	19.6	4.1	23.4
Water	S	S	S	S	S	S	21.8
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	40.5	—	S	S	S	S	12.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	17.2	.5	46.9	1.6	48.9	3.2	7.3
Parcel, U.S. Postal Service or courier	19.8	.4	15.5	—	17.4	—	7.5
Truck and rail	49.7	.1	S	S	S	S	19.9
Truck and water	S	S	S	S	S	S	22.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	21.7	.9	39.5	2.0	42.0	1.7	49.0
SCTG 33, ARTICLES OF BASE METAL							
Total	5.6	—	14.4	—	17.2	—	10.4
Single modes	6.6	1.9	14.9	1.2	18.2	1.8	11.2
Truck	6.4	2.1	14.6	2.0	18.9	3.4	10.2
For-hire truck	7.6	2.5	18.6	4.1	16.5	3.9	7.1
Private truck	10.1	2.5	22.0	3.6	39.7	4.7	22.6
Rail	38.4	.7	36.9	2.0	S	S	21.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	24.5	.2	27.5	—	26.8	.1	7.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	15.6	1.1	26.2	.5	39.5	1.4	7.2
Parcel, U.S. Postal Service or courier	16.0	1.1	29.5	.5	44.5	1.4	7.2
Truck and rail	S	S	S	S	S	S	21.6
Truck and water	S	S	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	23.4	1.3	15.4	.8	26.4	1.1	25.8

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	8.2	—	9.2	—	10.2	—	9.9
Single modes	8.4	1.6	9.5	1.0	10.5	1.1	10.6
Truck	8.7	1.7	9.5	1.1	10.5	1.3	11.0
For-hire truck	9.2	2.9	9.1	3.8	11.9	2.7	6.1
Private truck	15.8	2.5	20.2	3.9	19.4	2.5	16.9
Rail	41.7	.1	39.8	.1	39.4	.4	17.3
Water	S	S	S	S	S	S	27.3
Shallow draft	S	S	S	S	S	S	27.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	26.1	.8	22.0	—	25.1	.3	3.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	15.6	1.5	23.9	.7	39.5	1.1	7.4
Parcel, U.S. Postal Service or courier	14.6	1.4	14.1	.4	22.6	.5	7.4
Truck and rail	S	S	S	S	S	S	21.3
Truck and water	S	S	S	S	S	S	30.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	24.2	.9	21.0	.9	25.4	.7	37.8
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	17.6	—	18.8	—	16.7	—	7.3
Single modes	22.5	4.7	19.2	1.5	17.6	2.6	13.0
Truck	24.9	5.1	19.6	1.5	18.3	2.7	16.4
For-hire truck	27.7	5.2	22.7	3.7	19.0	3.4	9.1
Private truck	21.0	1.5	16.3	2.9	20.9	1.8	13.7
Rail	S	S	37.1	.5	38.5	.8	18.1
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	17.4	1.9	28.4	.5	22.8	.8	3.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	22.3	4.5	15.1	1.0	11.4	1.7	4.0
Parcel, U.S. Postal Service or courier	22.5	4.5	15.8	1.0	10.8	1.7	4.0
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	23.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	18.0	.5	20.5	.6	25.3	1.0	36.1
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	11.4	—	12.7	—	15.5	—	14.2
Single modes	13.3	2.2	14.6	1.7	15.8	1.0	15.0
Truck	12.3	4.0	16.5	3.7	8.6	6.8	17.9
For-hire truck	13.2	4.0	11.8	3.8	11.6	5.9	9.7
Private truck	21.2	3.9	26.8	4.2	16.3	4.6	26.7
Rail	42.2	4.7	42.4	3.9	42.7	7.2	19.3
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	31.2	.2	27.3	—	28.4	.3	7.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	14.3	1.1	17.1	.5	18.1	.6	6.8
Parcel, U.S. Postal Service or courier	14.3	1.1	17.1	.5	18.1	.6	6.8
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	11.3	1.8	11.0	1.5	24.0	.8	33.1

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	9.0	—	26.9	—	39.8	—	11.4
Single modes	11.2	4.0	28.5	4.6	28.3	8.6	19.6
Truck	17.9	6.3	34.4	9.2	26.8	10.2	21.6
For-hire truck	26.8	6.6	21.3	8.9	23.1	9.3	11.3
Private truck	26.9	5.4	39.7	8.9	37.7	7.4	27.1
Rail	37.0	4.8	S	S	S	S	23.7
Water	46.3	1.5	S	S	S	S	25.9
Shallow draft	46.3	1.5	S	S	S	S	25.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	25.3	3.6	23.7	1.7	24.5	2.5	7.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	34.1	3.8	38.4	1.5	45.8	2.6	10.2
Parcel, U.S. Postal Service or courier	34.1	3.8	38.4	1.5	45.8	2.6	10.2
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	38.1	1.1	S	S	S	S	S
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	47.3	—	20.0	—	34.0	—	9.0
Single modes	14.2	6.4	14.6	5.5	17.0	6.3	13.0
Truck	15.6	5.9	15.3	5.6	19.7	6.4	23.3
For-hire truck	16.2	4.5	16.5	5.5	17.6	6.1	8.2
Private truck	31.3	4.3	25.8	4.6	S	S	24.5
Rail	S	S	S	S	S	S	21.8
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	29.5	2.1	14.2	.4	11.7	1.1	5.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	7.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	7.1
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	23.5	1.2	32.6	2.0	30.0	1.7	20.4
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	33.9	—	29.0	—	15.1	—	9.6
Single modes	34.8	1.4	29.4	.6	15.0	1.1	11.5
Truck	35.0	1.4	29.6	.7	15.4	1.6	12.0
For-hire truck	26.4	5.9	15.4	6.2	18.4	5.5	5.0
Private truck	49.2	6.4	44.4	6.3	39.4	5.1	26.2
Rail	45.0	.2	48.2	.4	S	S	18.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	49.2	.1	S	S	18.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	46.7	1.2	48.2	.5	S	S	5.6
Parcel, U.S. Postal Service or courier	46.7	1.2	48.2	.5	S	S	5.6
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	27.1	.7	28.7	.4	34.1	.4	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	17.0	—	10.4	—	12.5	—	8.3
Single modes	21.4	3.0	11.1	1.1	13.7	1.8	16.3
Truck	9.0	3.9	10.8	1.1	11.2	2.5	15.1
For-hire truck	11.3	3.7	14.7	3.5	13.0	3.1	12.4
Private truck	15.4	2.6	15.7	4.1	15.7	2.4	21.0
Rail	30.2	.2	32.6	.9	34.9	2.7	17.3
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	23.5	—	24.1	.2	6.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	23.7	2.9	17.0	.6	15.8	1.4	5.2
Parcel, U.S. Postal Service or courier	24.9	2.9	15.5	.5	18.8	.8	5.2
Truck and rail	43.2	.4	44.9	.4	35.0	1.1	17.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	13.3	.7	28.4	.9	28.7	1.0	S
SCTG 41, WASTE AND SCRAP							
Total	12.8	—	14.8	—	13.0	—	15.3
Single modes	12.3	1.8	11.9	2.6	13.1	3.7	11.8
Truck	14.0	4.1	14.1	5.1	12.6	6.3	12.5
For-hire truck	20.0	5.1	17.8	5.0	17.1	5.5	28.2
Private truck	14.5	4.9	20.0	4.8	15.7	5.1	26.1
Rail	18.2	3.6	19.7	4.4	21.1	5.6	19.1
Water	41.6	1.6	42.0	2.4	46.2	4.3	20.1
Shallow draft	41.6	1.6	42.0	2.4	46.2	4.3	20.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	43.1	1.3	S	S	41.8	3.8	18.4
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	43.1	1.2	49.3	1.0	S	S	19.3
Truck and water	S	S	S	S	S	S	22.1
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 43, MIXED FREIGHT							
Total	23.4	—	19.0	—	23.1	—	12.3
Single modes	23.9	1.7	18.9	2.0	23.8	2.8	10.8
Truck	23.9	1.6	18.9	2.0	23.8	2.8	10.9
For-hire truck	23.6	4.0	27.9	4.5	36.2	4.7	46.7
Private truck	26.4	4.1	21.3	4.3	27.6	4.9	11.4
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	49.0	.1	37.4	—	S
Parcel, U.S. Postal Service or courier	S	S	49.0	.1	37.4	—	S
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	26.5	—	24.8	—	32.4	—	11.7
Single modes	28.3	3.7	25.9	5.3	32.9	2.3	14.5
Truck	33.8	6.0	23.7	8.4	21.2	10.0	13.3
For-hire truck	21.9	5.1	25.4	6.4	26.1	7.6	20.8
Private truck	S	S	40.1	7.2	46.0	6.6	21.4
Rail	44.7	3.8	48.4	5.7	S	S	19.6
Water	S	S	S	S	S	S	22.3
Shallow draft	S	S	S	S	S	S	22.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	16.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	34.9	2.2	45.2	.3	S	S	9.1
Parcel, U.S. Postal Service or courier	36.5	2.2	29.4	.2	29.4	.5	9.3
Truck and rail	S	S	S	S	S	S	S
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	39.8	3.1	46.8	5.3	49.2	1.9	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	5.0	4.8	7.6
Less than 50 miles	5.2	6.0	6.4
50 to 99 miles	9.7	8.4	8.0
100 to 249 miles	9.8	8.1	9.7
250 to 499 miles	8.7	11.6	10.3
500 to 749 miles	3.9	13.9	14.2
750 to 999 miles	5.5	14.0	13.0
1,000 to 1,499 miles	11.8	17.1	19.6
1,500 to 1,999 miles	11.2	9.1	10.2
2,000 miles or more	24.3	19.8	19.0
SCTG 01, Live animals and live fish	30.3	34.4	28.2
Less than 50 miles	42.5	S	S
50 to 99 miles	37.0	37.6	36.0
100 to 249 miles	39.3	44.9	45.9
250 to 499 miles	27.7	29.7	30.2
500 to 749 miles	41.0	41.4	40.9
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	29.3	25.9	13.8
Less than 50 miles	34.5	30.0	32.0
50 to 99 miles	23.1	24.0	26.6
100 to 249 miles	27.1	26.9	25.1
250 to 499 miles	23.0	26.9	24.0
500 to 749 miles	27.8	30.5	29.7
750 to 999 miles	42.9	41.7	42.3
1,000 to 1,499 miles	49.2	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 03, Other agricultural products	16.4	21.3	20.7
Less than 50 miles	22.9	28.0	27.9
50 to 99 miles	22.2	40.1	S
100 to 249 miles	37.3	S	S
250 to 499 miles	31.2	36.5	39.8
500 to 749 miles	30.9	35.9	39.0
750 to 999 miles	29.5	35.7	35.1
1,000 to 1,499 miles	21.7	29.5	29.8
1,500 to 1,999 miles	43.4	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	18.8	13.2	13.9
Less than 50 miles	16.3	18.2	18.9
50 to 99 miles	S	17.2	15.4
100 to 249 miles	42.2	16.1	15.3
250 to 499 miles	22.1	22.7	22.7
500 to 749 miles	34.6	42.6	41.8
750 to 999 miles	33.9	28.8	28.7
1,000 to 1,499 miles	19.4	26.8	26.6
1,500 to 1,999 miles	42.8	40.4	41.3
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	8.1	8.2	11.9
Less than 50 miles	9.8	11.0	12.5
50 to 99 miles	22.3	22.4	20.1
100 to 249 miles	9.0	8.2	8.2
250 to 499 miles	18.8	19.3	18.3
500 to 749 miles	15.0	15.7	15.8
750 to 999 miles	19.4	15.2	15.5
1,000 to 1,499 miles	15.4	14.0	14.5
1,500 to 1,999 miles	21.0	20.1	18.4
2,000 miles or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	26.2	13.6	11.5
Less than 50 miles	24.1	19.4	21.8
50 to 99 miles	31.6	23.7	23.5
100 to 249 miles	42.8	20.9	21.5
250 to 499 miles	35.2	37.0	32.8
500 to 749 miles	20.8	11.8	12.1
750 to 999 miles	14.9	14.0	14.6
1,000 to 1,499 miles	14.6	16.7	16.7
1,500 to 1,999 miles	29.3	28.1	29.4
2,000 miles or more	S	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	16.9	9.9	10.5
Less than 50 miles	19.3	14.2	16.0
50 to 99 miles	47.6	20.2	21.2
100 to 249 miles	38.0	14.0	12.0
250 to 499 miles	11.3	12.5	12.8
500 to 749 miles	11.4	12.8	13.6
750 to 999 miles	16.6	12.2	12.1
1,000 to 1,499 miles	14.2	18.3	18.6
1,500 to 1,999 miles	16.8	19.8	21.0
2,000 miles or more	S	S	S

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	10.2	15.2	31.3
Less than 50 miles	7.0	10.2	11.4
50 to 99 miles	21.3	22.8	23.2
100 to 249 miles	25.6	31.6	34.1
250 to 499 miles	38.2	38.5	38.5
500 to 749 miles	44.7	S	S
750 to 999 miles	37.5	34.6	34.0
1,000 to 1,499 miles	47.1	32.8	32.4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 09, Tobacco products	34.3	35.0	34.6
Less than 50 miles	27.9	34.7	29.6
50 to 99 miles	S	49.1	49.1
100 to 249 miles	47.5	S	S
250 to 499 miles	S	44.0	43.1
500 to 749 miles	—	—	—
750 to 999 miles	—	—	—
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 10, Monumental or building stone	48.4	42.7	S
Less than 50 miles	40.1	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	40.5	39.9
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 11, Natural sands	16.3	24.9	22.7
Less than 50 miles	22.2	29.4	21.1
50 to 99 miles	22.1	40.4	40.9
100 to 249 miles	28.3	37.9	39.0
250 to 499 miles	32.5	S	S
500 to 749 miles	S	38.9	40.0
750 to 999 miles	S	S	S
1,000 to 1,499 miles	46.3	34.0	35.7
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 12, Gravel and crushed stone	14.8	15.4	12.7
Less than 50 miles	21.5	20.5	25.2
50 to 99 miles	16.8	20.6	19.8
100 to 249 miles	17.4	18.7	15.9
250 to 499 miles	29.4	28.3	27.2
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	9.5	38.4	39.3
Less than 50 miles	22.6	S	S
50 to 99 miles	25.5	46.7	39.9
100 to 249 miles	15.8	37.6	S
250 to 499 miles	30.8	12.0	13.7
500 to 749 miles	30.3	S	S
750 to 999 miles	22.1	30.6	32.1
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	40.0	S	38.5
Less than 50 miles	S	S	S
50 to 99 miles	S	44.4	42.2
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	47.2	44.9	43.9
750 to 999 miles	35.1	44.6	45.0
1,000 to 1,499 miles	34.8	47.7	49.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 15, Coal	17.7	19.9	16.6
Less than 50 miles	19.2	20.5	17.0
50 to 99 miles	40.1	40.9	46.5
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	5.8	16.3	29.9
Less than 50 miles	9.7	19.1	13.8
50 to 99 miles	17.3	19.7	17.2
100 to 249 miles	17.9	20.8	21.7
250 to 499 miles	36.6	39.4	35.2
500 to 749 miles	30.7	42.0	43.1
750 to 999 miles	31.1	38.6	38.7
1,000 to 1,499 miles	44.3	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	14.4	15.8	18.5
Less than 50 miles	20.5	22.0	30.7
50 to 99 miles	25.4	32.8	38.1
100 to 249 miles	26.9	24.4	25.1
250 to 499 miles	33.5	32.7	37.8
500 to 749 miles	35.6	35.8	33.7
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	9.0	10.5	11.4
Less than 50 miles	13.0	14.3	17.1
50 to 99 miles	21.3	26.3	30.3
100 to 249 miles	12.5	13.2	14.5
250 to 499 miles	19.8	19.1	18.6
500 to 749 miles	28.6	27.5	25.4
750 to 999 miles	21.6	15.5	17.4
1,000 to 1,499 miles	18.9	25.3	28.3
1,500 to 1,999 miles	26.8	33.7	32.7
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	24.3	13.7	21.5
Less than 50 miles	19.3	10.5	11.7
50 to 99 miles	13.6	13.2	14.0
100 to 249 miles	11.8	14.4	16.0
250 to 499 miles	S	39.7	35.2
500 to 749 miles	10.8	15.3	16.8
750 to 999 miles	13.8	23.2	25.6
1,000 to 1,499 miles	S	46.3	44.3
1,500 to 1,999 miles	21.3	14.2	14.7
2,000 miles or more	S	S	S
SCTG 21, Pharmaceutical products	9.8	17.4	22.1
Less than 50 miles	13.2	23.3	19.8
50 to 99 miles	20.4	27.9	27.6
100 to 249 miles	14.2	19.6	19.6
250 to 499 miles	25.8	16.2	17.2
500 to 749 miles	21.5	19.1	20.2
750 to 999 miles	24.6	30.0	30.2
1,000 to 1,499 miles	22.8	23.6	23.9
1,500 to 1,999 miles	S	39.0	38.2
2,000 miles or more	S	S	S
SCTG 22, Fertilizers	19.6	14.9	20.8
Less than 50 miles	31.2	24.0	20.1
50 to 99 miles	17.6	17.1	17.4
100 to 249 miles	14.2	16.9	18.6
250 to 499 miles	17.7	24.8	23.0
500 to 749 miles	32.0	31.4	35.1
750 to 999 miles	33.3	35.4	40.2
1,000 to 1,499 miles	29.5	29.0	28.0
1,500 to 1,999 miles	37.9	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	11.0	11.0	16.6
Less than 50 miles	10.3	18.8	15.7
50 to 99 miles	13.3	21.0	20.7
100 to 249 miles	36.1	24.0	27.8
250 to 499 miles	13.0	17.6	17.7
500 to 749 miles	16.2	11.4	11.5
750 to 999 miles	15.9	14.0	13.5
1,000 to 1,499 miles	13.2	17.7	18.6
1,500 to 1,999 miles	35.7	S	50.0
2,000 miles or more	46.7	47.3	45.6
SCTG 24, Plastics and rubber	4.9	7.3	9.3
Less than 50 miles	7.8	13.4	17.5
50 to 99 miles	10.9	15.5	15.9
100 to 249 miles	10.7	14.4	14.5
250 to 499 miles	8.2	12.3	13.6
500 to 749 miles	7.4	13.6	14.4
750 to 999 miles	7.9	13.3	13.5
1,000 to 1,499 miles	7.0	9.4	9.6
1,500 to 1,999 miles	9.7	12.3	12.8
2,000 miles or more	S	S	S

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	20.0	30.4	40.2
Less than 50 miles	24.5	34.5	33.4
50 to 99 miles	30.2	38.4	37.5
100 to 249 miles	47.3	S	S
250 to 499 miles	34.8	34.6	32.9
500 to 749 miles	S	S	S
750 to 999 miles	S	45.5	45.5
1,000 to 1,499 miles	43.0	45.8	46.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	20.0	33.1	36.9
Less than 50 miles	11.2	25.9	29.8
50 to 99 miles	12.5	33.4	31.7
100 to 249 miles	36.0	S	S
250 to 499 miles	24.0	40.9	35.7
500 to 749 miles	15.7	32.1	33.2
750 to 999 miles	22.5	42.5	42.0
1,000 to 1,499 miles	13.9	29.0	29.5
1,500 to 1,999 miles	14.0	12.9	12.7
2,000 miles or more	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	10.8	7.0	6.9
Less than 50 miles	29.8	15.2	15.6
50 to 99 miles	9.3	13.1	15.4
100 to 249 miles	23.9	14.1	15.5
250 to 499 miles	6.0	8.2	8.5
500 to 749 miles	10.8	12.1	12.4
750 to 999 miles	10.0	12.0	12.2
1,000 to 1,499 miles	10.5	10.2	10.8
1,500 to 1,999 miles	18.6	17.9	18.2
2,000 miles or more	S	S	S
SCTG 28, Paper or paperboard articles	8.0	8.3	11.0
Less than 50 miles	11.4	13.0	11.0
50 to 99 miles	13.5	19.4	19.2
100 to 249 miles	31.9	17.4	14.1
250 to 499 miles	10.9	11.6	11.9
500 to 749 miles	14.8	17.9	18.8
750 to 999 miles	19.3	19.5	19.1
1,000 to 1,499 miles	17.1	15.8	16.0
1,500 to 1,999 miles	24.5	26.9	27.2
2,000 miles or more	S	S	S
SCTG 29, Printed products	6.8	21.7	17.9
Less than 50 miles	10.1	28.3	18.2
50 to 99 miles	17.1	22.3	22.3
100 to 249 miles	9.0	11.7	11.6
250 to 499 miles	18.5	26.8	29.0
500 to 749 miles	12.5	25.3	24.1
750 to 999 miles	18.9	20.2	20.2
1,000 to 1,499 miles	25.4	23.9	24.6
1,500 to 1,999 miles	20.9	42.6	43.1
2,000 miles or more	47.1	43.5	39.1
SCTG 30, Textiles, leather, and articles of textiles or leather	27.1	39.9	22.4
Less than 50 miles	35.8	46.4	36.7
50 to 99 miles	33.2	24.7	23.6
100 to 249 miles	46.8	S	S
250 to 499 miles	44.0	S	S
500 to 749 miles	16.2	17.9	19.6
750 to 999 miles	12.2	24.0	23.9
1,000 to 1,499 miles	15.0	15.7	16.1
1,500 to 1,999 miles	26.9	23.5	25.1
2,000 miles or more	29.8	S	S
SCTG 31, Nonmetallic mineral products	5.2	9.9	8.5
Less than 50 miles	9.1	15.1	12.1
50 to 99 miles	10.3	26.7	25.1
100 to 249 miles	9.0	15.0	12.9
250 to 499 miles	10.9	13.2	12.6
500 to 749 miles	15.3	12.6	12.0
750 to 999 miles	13.8	14.0	14.3
1,000 to 1,499 miles	11.4	14.0	13.5
1,500 to 1,999 miles	12.4	28.2	29.4
2,000 miles or more	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	11.4	22.5	14.5
Less than 50 miles	16.8	30.6	20.2
50 to 99 miles	9.7	13.1	12.3
100 to 249 miles	18.4	30.3	32.1
250 to 499 miles	16.9	27.4	30.2
500 to 749 miles	15.9	30.5	31.8
750 to 999 miles	13.9	15.0	18.4
1,000 to 1,499 miles	12.1	14.7	14.7
1,500 to 1,999 miles	20.9	28.8	29.4
2,000 miles or more	44.0	42.6	42.2

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	5.6	14.4	17.2
Less than 50 miles	7.7	14.7	14.7
50 to 99 miles	11.6	33.3	35.7
100 to 249 miles	8.8	22.4	23.0
250 to 499 miles	13.3	21.7	21.8
500 to 749 miles	13.7	28.6	29.1
750 to 999 miles	11.9	13.1	13.5
1,000 to 1,499 miles	9.5	17.9	18.4
1,500 to 1,999 miles	31.9	28.4	28.0
2,000 miles or more	31.2	28.8	34.7
SCTG 34, Machinery	8.2	9.2	10.2
Less than 50 miles	12.3	18.1	26.2
50 to 99 miles	21.5	35.8	36.7
100 to 249 miles	25.3	29.9	23.9
250 to 499 miles	10.7	9.2	9.7
500 to 749 miles	12.8	15.8	15.2
750 to 999 miles	21.5	17.0	16.8
1,000 to 1,499 miles	12.9	15.9	15.6
1,500 to 1,999 miles	18.1	25.2	25.1
2,000 miles or more	47.8	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	17.6	18.8	16.7
Less than 50 miles	33.0	28.8	43.3
50 to 99 miles	26.7	40.8	44.8
100 to 249 miles	31.4	33.7	34.7
250 to 499 miles	19.5	25.3	21.9
500 to 749 miles	14.5	19.7	18.3
750 to 999 miles	16.5	24.7	25.7
1,000 to 1,499 miles	24.1	17.4	18.1
1,500 to 1,999 miles	35.1	22.6	21.7
2,000 miles or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	11.4	12.7	15.5
Less than 50 miles	10.0	14.2	29.1
50 to 99 miles	40.7	44.8	43.9
100 to 249 miles	27.4	29.0	28.1
250 to 499 miles	16.7	15.2	15.8
500 to 749 miles	24.5	18.1	19.7
750 to 999 miles	27.8	27.4	28.1
1,000 to 1,499 miles	19.8	18.6	20.6
1,500 to 1,999 miles	26.3	25.7	27.5
2,000 miles or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	9.0	26.9	39.8
Less than 50 miles	26.3	40.9	42.7
50 to 99 miles	34.0	S	S
100 to 249 miles	22.1	39.0	41.8
250 to 499 miles	20.8	49.9	S
500 to 749 miles	28.0	30.4	29.1
750 to 999 miles	22.2	S	S
1,000 to 1,499 miles	24.8	27.2	27.5
1,500 to 1,999 miles	32.2	31.3	30.7
2,000 miles or more	S	S	S
SCTG 38, Precision instruments and apparatus	47.3	20.0	34.0
Less than 50 miles	23.6	22.7	26.9
50 to 99 miles	28.5	20.7	21.0
100 to 249 miles	32.1	24.0	25.2
250 to 499 miles	32.1	24.9	25.2
500 to 749 miles	S	28.0	28.7
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	47.0	45.6
1,500 to 1,999 miles	S	31.7	30.7
2,000 miles or more	47.2	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	33.9	29.0	15.1
Less than 50 miles	28.8	41.4	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	48.8
250 to 499 miles	S	41.7	35.1
500 to 749 miles	25.9	16.6	16.7
750 to 999 miles	31.1	18.7	18.1
1,000 to 1,499 miles	26.3	19.4	18.6
1,500 to 1,999 miles	23.7	19.7	19.2
2,000 miles or more	S	S	S
SCTG 40, Miscellaneous manufactured products	17.0	10.4	12.5
Less than 50 miles	11.6	22.2	19.0
50 to 99 miles	24.2	26.2	27.6
100 to 249 miles	12.1	13.0	12.9
250 to 499 miles	22.1	16.5	15.8
500 to 749 miles	28.3	12.0	12.0
750 to 999 miles	28.0	18.2	18.1
1,000 to 1,499 miles	24.3	18.0	19.6
1,500 to 1,999 miles	25.3	16.9	16.6
2,000 miles or more	34.1	22.7	23.4

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	12.8	14.8	13.0
Less than 50 miles	22.1	23.4	23.0
50 to 99 miles	18.6	27.6	33.3
100 to 249 miles	24.7	29.8	35.0
250 to 499 miles	20.0	17.1	21.3
500 to 749 miles	19.9	25.2	25.3
750 to 999 miles	19.9	23.0	24.0
1,000 to 1,499 miles	32.2	30.2	31.7
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 43, Mixed freight	23.4	19.0	23.1
Less than 50 miles	14.0	13.8	15.4
50 to 99 miles	23.2	20.5	19.8
100 to 249 miles	29.7	26.6	26.9
250 to 499 miles	S	35.5	33.8
500 to 749 miles	S	S	S
750 to 999 miles	36.0	49.8	49.7
1,000 to 1,499 miles	48.5	S	49.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
Commodity unknown	26.5	24.8	32.4
Less than 50 miles	19.4	31.2	29.2
50 to 99 miles	S	40.9	38.6
100 to 249 miles	48.2	35.2	35.8
250 to 499 miles	33.9	S	S
500 to 749 miles	28.7	S	S
750 to 999 miles	29.4	49.4	S
1,000 to 1,499 miles	21.3	38.7	39.3
1,500 to 1,999 miles	41.7	S	S
2,000 miles or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	5.0	4.8	7.6
Less than 50 lb	12.4	4.8	7.7
50 to 99 lb	12.9	6.7	6.8
100 to 499 lb	12.2	4.5	8.0
500 to 749 lb	8.2	6.3	6.2
750 to 999 lb	9.9	6.3	9.4
1,000 to 9,999 lb	7.0	3.6	5.8
10,000 to 49,999 lb	9.2	6.1	6.4
50,000 to 99,999 lb	10.2	6.5	6.3
100,000 lb or more	6.1	8.3	10.6
SCTG 01, Live animals and live fish	30.3	34.4	28.2
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	47.4	S
1,000 to 9,999 lb	S	S	35.9
10,000 to 49,999 lb	17.0	25.5	20.7
50,000 to 99,999 lb	37.4	38.3	34.9
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	29.3	25.9	13.8
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	34.3	40.5	49.9
500 to 749 lb	37.7	30.1	43.7
750 to 999 lb	47.3	S	S
1,000 to 9,999 lb	S	38.2	S
10,000 to 49,999 lb	17.5	22.3	37.1
50,000 to 99,999 lb	13.4	13.8	22.9
100,000 lb or more	35.5	31.3	16.1
SCTG 03, Other agricultural products	16.4	21.3	20.7
Less than 50 lb	29.7	27.8	23.2
50 to 99 lb	36.8	39.9	36.0
100 to 499 lb	32.2	40.5	29.9
500 to 749 lb	30.6	33.1	20.2
750 to 999 lb	22.9	29.8	27.8
1,000 to 9,999 lb	26.5	26.3	24.6
10,000 to 49,999 lb	22.2	23.3	33.0
50,000 to 99,999 lb	31.9	33.0	22.6
100,000 lb or more	27.7	29.1	26.8
SCTG 04, Animal feed and products of animal origin, n.e.c.	18.8	13.2	13.9
Less than 50 lb	44.8	S	S
50 to 99 lb	46.6	S	29.8
100 to 499 lb	35.9	46.7	26.4
500 to 749 lb	46.8	S	32.0
750 to 999 lb	30.6	43.6	38.0
1,000 to 9,999 lb	18.9	32.6	16.9
10,000 to 49,999 lb	27.5	15.3	17.2
50,000 to 99,999 lb	13.8	22.6	20.8
100,000 lb or more	27.0	29.7	40.3
SCTG 05, Meat, fish, seafood, and their preparations	8.1	8.2	11.9
Less than 50 lb	35.4	40.0	36.8
50 to 99 lb	24.0	26.3	22.2
100 to 499 lb	23.7	25.3	20.2
500 to 749 lb	21.7	21.6	19.1
750 to 999 lb	19.7	21.6	15.7
1,000 to 9,999 lb	9.7	13.1	14.2
10,000 to 49,999 lb	11.3	10.6	13.1
50,000 to 99,999 lb	27.3	24.3	31.7
100,000 lb or more	S	38.8	35.4
SCTG 06, Milled grain products and preparations, and bakery products	26.2	13.6	11.5
Less than 50 lb	33.2	S	29.8
50 to 99 lb	S	S	S
100 to 499 lb	37.4	37.2	31.9
500 to 749 lb	S	47.6	48.3
750 to 999 lb	S	42.6	42.7
1,000 to 9,999 lb	45.7	26.1	27.4
10,000 to 49,999 lb	33.7	18.3	15.2
50,000 to 99,999 lb	S	S	43.8
100,000 lb or more	23.1	20.9	19.3
SCTG 07, Other prepared foodstuffs and fats and oils	16.9	9.9	10.5
Less than 50 lb	32.8	23.9	S
50 to 99 lb	22.1	19.2	32.3
100 to 499 lb	11.6	13.8	18.0
500 to 749 lb	9.6	13.1	18.7
750 to 999 lb	12.6	13.3	12.3
1,000 to 9,999 lb	10.4	11.8	10.1
10,000 to 49,999 lb	24.5	11.3	10.5
50,000 to 99,999 lb	40.5	30.4	26.8
100,000 lb or more	24.3	25.1	22.6

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	10.2	15.2	31.3
Less than 50 lb	26.4	13.7	22.2
50 to 99 lb	12.6	8.6	11.2
100 to 499 lb	9.6	11.0	7.1
500 to 749 lb	9.1	8.5	7.8
750 to 999 lb	13.0	11.3	11.9
1,000 to 9,999 lb	7.5	9.4	13.0
10,000 to 49,999 lb	26.4	28.7	32.3
50,000 to 99,999 lb	27.2	25.7	34.9
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	34.3	35.0	34.6
Less than 50 lb	26.3	26.4	44.1
50 to 99 lb	31.3	28.9	38.7
100 to 499 lb	43.7	39.2	S
500 to 749 lb	33.7	36.8	49.6
750 to 999 lb	S	S	S
1,000 to 9,999 lb	28.3	40.4	49.5
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	48.4	42.7	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	49.6	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	45.1	41.9	35.7
10,000 to 49,999 lb	S	44.9	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 11, Natural sands	16.3	24.9	22.7
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	37.8	S
500 to 749 lb	48.1	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	36.7	39.8	39.5
10,000 to 49,999 lb	22.5	38.0	17.1
50,000 to 99,999 lb	22.3	27.6	26.8
100,000 lb or more	44.0	36.7	39.5
SCTG 12, Gravel and crushed stone	14.8	15.4	12.7
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	46.6	S
750 to 999 lb	S	S	45.5
1,000 to 9,999 lb	38.1	34.3	22.9
10,000 to 49,999 lb	23.7	19.3	18.7
50,000 to 99,999 lb	15.0	17.0	17.7
100,000 lb or more	19.0	21.4	18.1
SCTG 13, Nonmetallic minerals n.e.c.	9.5	38.4	39.3
Less than 50 lb	42.3	40.2	S
50 to 99 lb	41.8	36.9	S
100 to 499 lb	36.0	27.0	S
500 to 749 lb	S	S	S
750 to 999 lb	46.6	34.5	S
1,000 to 9,999 lb	25.3	36.9	39.9
10,000 to 49,999 lb	15.1	S	29.1
50,000 to 99,999 lb	22.5	S	35.1
100,000 lb or more	24.1	39.3	49.1
SCTG 14, Metallic ores and concentrates	40.0	S	38.5
Less than 50 lb	S	S	S
50 to 99 lb	49.0	S	S
100 to 499 lb	38.3	45.7	47.1
500 to 749 lb	S	S	48.5
750 to 999 lb	S	S	S
1,000 to 9,999 lb	48.5	S	42.4
10,000 to 49,999 lb	S	S	38.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	42.8
SCTG 15, Coal	17.7	19.9	16.6
Less than 50 lb	—	—	—
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	25.3	30.4	S
50,000 to 99,999 lb	28.7	34.6	26.4
100,000 lb or more	20.5	21.3	20.6

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	5.8	16.3	29.9
Less than 50 lb	S	S	S
50 to 99 lb	28.9	32.7	30.1
100 to 499 lb	29.7	34.1	30.6
500 to 749 lb	S	30.7	47.7
750 to 999 lb	32.6	31.2	37.3
1,000 to 9,999 lb	20.2	17.6	22.7
10,000 to 49,999 lb	13.7	15.8	22.6
50,000 to 99,999 lb	7.6	7.5	17.4
100,000 lb or more	8.0	19.2	30.9
SCTG 18, Fuel oils	14.4	15.8	18.5
Less than 50 lb	S	46.2	S
50 to 99 lb	S	41.2	42.7
100 to 499 lb	30.0	19.7	20.4
500 to 749 lb	38.5	19.1	33.6
750 to 999 lb	43.1	20.1	31.7
1,000 to 9,999 lb	18.1	19.2	17.6
10,000 to 49,999 lb	28.7	30.0	25.8
50,000 to 99,999 lb	21.2	19.6	23.4
100,000 lb or more	17.6	18.4	19.8
SCTG 19, Coal and petroleum products, n.e.c.	9.0	10.5	11.4
Less than 50 lb	36.2	24.7	S
50 to 99 lb	31.8	27.8	S
100 to 499 lb	27.1	32.6	S
500 to 749 lb	30.8	S	39.3
750 to 999 lb	28.3	38.8	S
1,000 to 9,999 lb	24.0	27.8	S
10,000 to 49,999 lb	13.9	30.0	29.3
50,000 to 99,999 lb	19.8	21.3	26.0
100,000 lb or more	11.7	11.0	13.5
SCTG 20, Basic chemicals	24.3	13.7	21.5
Less than 50 lb	26.7	28.7	34.8
50 to 99 lb	28.4	47.2	47.7
100 to 499 lb	29.1	40.3	31.4
500 to 749 lb	31.9	44.6	46.2
750 to 999 lb	49.7	S	43.7
1,000 to 9,999 lb	36.5	27.2	S
10,000 to 49,999 lb	37.4	24.2	40.8
50,000 to 99,999 lb	23.0	14.3	21.2
100,000 lb or more	19.6	12.3	18.4
SCTG 21, Pharmaceutical products	9.8	17.4	22.1
Less than 50 lb	13.2	16.1	20.1
50 to 99 lb	17.4	17.2	25.8
100 to 499 lb	21.5	16.4	28.7
500 to 749 lb	30.4	26.4	35.4
750 to 999 lb	S	25.1	S
1,000 to 9,999 lb	21.7	24.4	19.9
10,000 to 49,999 lb	21.8	28.0	26.5
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	19.6	14.9	20.8
Less than 50 lb	44.8	47.6	49.0
50 to 99 lb	43.5	S	48.5
100 to 499 lb	36.4	S	27.7
500 to 749 lb	24.8	27.4	48.5
750 to 999 lb	23.9	36.1	29.2
1,000 to 9,999 lb	21.4	23.4	21.2
10,000 to 49,999 lb	36.0	12.7	22.5
50,000 to 99,999 lb	23.6	27.1	21.4
100,000 lb or more	27.6	23.6	23.9
SCTG 23, Chemical products and preparations, n.e.c.	11.0	11.0	16.6
Less than 50 lb	14.5	12.1	18.4
50 to 99 lb	13.5	13.5	16.1
100 to 499 lb	9.4	11.2	14.2
500 to 749 lb	12.1	11.2	14.6
750 to 999 lb	16.6	15.8	15.3
1,000 to 9,999 lb	10.1	9.5	17.2
10,000 to 49,999 lb	17.4	13.9	23.4
50,000 to 99,999 lb	30.7	28.6	28.3
100,000 lb or more	25.7	26.0	15.8
SCTG 24, Plastics and rubber	4.9	7.3	9.3
Less than 50 lb	14.2	16.1	25.6
50 to 99 lb	15.9	17.5	16.5
100 to 499 lb	8.9	10.3	10.6
500 to 749 lb	10.0	12.6	11.8
750 to 999 lb	17.1	13.0	12.9
1,000 to 9,999 lb	8.8	12.3	13.5
10,000 to 49,999 lb	7.6	12.8	13.7
50,000 to 99,999 lb	24.1	22.0	48.8
100,000 lb or more	8.3	9.9	10.2

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	20.0	30.4	40.2
Less than 50 lb	49.8	S	S
50 to 99 lb	S	S	S
100 to 499 lb	41.1	49.4	S
500 to 749 lb	30.6	S	49.3
750 to 999 lb	S	S	44.7
1,000 to 9,999 lb	25.9	S	38.9
10,000 to 49,999 lb	26.2	24.3	19.9
50,000 to 99,999 lb	23.4	30.8	25.2
100,000 lb or more	S	S	S
SCTG 26, Wood products	20.0	33.1	36.9
Less than 50 lb	37.6	30.6	S
50 to 99 lb	16.8	15.4	24.7
100 to 499 lb	26.1	21.0	33.9
500 to 749 lb	15.7	22.1	22.0
750 to 999 lb	22.9	20.8	29.5
1,000 to 9,999 lb	16.2	14.4	17.5
10,000 to 49,999 lb	19.2	35.3	29.4
50,000 to 99,999 lb	13.7	29.8	24.1
100,000 lb or more	46.1	44.0	46.5
SCTG 27, Pulp, newsprint, paper, and paperboard	10.8	7.0	6.9
Less than 50 lb	17.3	12.4	25.8
50 to 99 lb	17.5	22.3	26.8
100 to 499 lb	18.6	19.3	37.1
500 to 749 lb	16.5	14.8	26.9
750 to 999 lb	24.2	24.4	46.6
1,000 to 9,999 lb	12.6	10.3	31.6
10,000 to 49,999 lb	17.4	7.2	7.2
50,000 to 99,999 lb	23.5	23.5	25.9
100,000 lb or more	11.0	13.8	12.0
SCTG 28, Paper or paperboard articles	8.0	8.3	11.0
Less than 50 lb	20.9	17.2	34.5
50 to 99 lb	19.9	22.7	S
100 to 499 lb	16.0	14.0	33.5
500 to 749 lb	18.4	16.9	21.9
750 to 999 lb	31.4	21.8	31.6
1,000 to 9,999 lb	14.9	17.0	12.7
10,000 to 49,999 lb	9.5	8.6	11.7
50,000 to 99,999 lb	45.4	47.7	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	6.8	21.7	17.9
Less than 50 lb	17.7	28.3	28.6
50 to 99 lb	10.9	18.6	19.9
100 to 499 lb	13.0	9.8	16.5
500 to 749 lb	17.7	37.2	16.2
750 to 999 lb	20.9	45.8	14.1
1,000 to 9,999 lb	14.6	16.3	13.9
10,000 to 49,999 lb	15.4	13.5	25.0
50,000 to 99,999 lb	47.8	S	S
100,000 lb or more	S	S	49.4
SCTG 30, Textiles, leather, and articles of textiles or leather	27.1	39.9	22.4
Less than 50 lb	19.3	10.8	14.1
50 to 99 lb	15.8	13.2	19.7
100 to 499 lb	16.6	15.3	22.8
500 to 749 lb	35.9	18.9	19.1
750 to 999 lb	17.5	21.6	16.5
1,000 to 9,999 lb	44.3	33.2	19.4
10,000 to 49,999 lb	45.8	49.4	31.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	5.2	9.9	8.5
Less than 50 lb	33.3	S	30.5
50 to 99 lb	22.4	26.5	30.3
100 to 499 lb	21.4	24.4	20.7
500 to 749 lb	20.8	21.5	25.3
750 to 999 lb	28.1	17.1	25.1
1,000 to 9,999 lb	10.7	7.6	18.4
10,000 to 49,999 lb	7.0	11.9	10.3
50,000 to 99,999 lb	7.9	16.7	11.3
100,000 lb or more	13.1	19.9	20.6
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	11.4	22.5	14.5
Less than 50 lb	19.2	18.2	12.7
50 to 99 lb	22.6	18.2	22.8
100 to 499 lb	14.7	14.6	24.6
500 to 749 lb	17.3	13.5	23.7
750 to 999 lb	15.2	11.0	20.2
1,000 to 9,999 lb	9.6	16.5	16.3
10,000 to 49,999 lb	8.0	9.5	8.6
50,000 to 99,999 lb	30.5	33.1	31.0
100,000 lb or more	35.8	48.9	21.6

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	5.6	14.4	17.2
Less than 50 lb	9.1	7.5	12.5
50 to 99 lb	13.5	10.3	21.5
100 to 499 lb	8.6	9.1	15.7
500 to 749 lb	14.0	10.1	14.6
750 to 999 lb	19.1	13.4	31.7
1,000 to 9,999 lb	8.2	8.4	6.9
10,000 to 49,999 lb	8.3	19.1	23.3
50,000 to 99,999 lb	42.4	31.4	37.8
100,000 lb or more	22.7	23.0	42.6
SCTG 34, Machinery	8.2	9.2	10.2
Less than 50 lb	10.0	10.1	15.7
50 to 99 lb	11.9	16.4	15.5
100 to 499 lb	7.9	7.1	13.7
500 to 749 lb	9.9	10.7	17.0
750 to 999 lb	21.8	17.2	28.9
1,000 to 9,999 lb	15.6	17.4	11.3
10,000 to 49,999 lb	16.1	15.4	17.7
50,000 to 99,999 lb	23.0	20.7	30.1
100,000 lb or more	33.6	28.3	39.6
SCTG 35, Electronic and other electrical equipment and components and office equipment	17.6	18.8	16.7
Less than 50 lb	14.6	6.5	9.9
50 to 99 lb	34.5	18.7	31.1
100 to 499 lb	31.5	24.9	41.2
500 to 749 lb	29.4	38.4	24.8
750 to 999 lb	25.2	37.9	43.2
1,000 to 9,999 lb	24.0	27.1	22.1
10,000 to 49,999 lb	43.3	19.1	12.4
50,000 to 99,999 lb	49.1	S	S
100,000 lb or more	39.5	27.1	32.1
SCTG 36, Motorized and other vehicles (including parts)	11.4	12.7	15.5
Less than 50 lb	12.2	13.7	17.2
50 to 99 lb	19.8	16.7	14.8
100 to 499 lb	18.0	15.4	15.8
500 to 749 lb	33.8	15.9	20.9
750 to 999 lb	27.3	24.9	27.4
1,000 to 9,999 lb	24.3	17.3	37.4
10,000 to 49,999 lb	26.9	27.7	11.6
50,000 to 99,999 lb	S	44.9	S
100,000 lb or more	39.1	47.2	S
SCTG 37, Transportation equipment, n.e.c.	9.0	26.9	39.8
Less than 50 lb	19.5	S	48.1
50 to 99 lb	S	29.8	29.1
100 to 499 lb	21.9	25.2	25.6
500 to 749 lb	28.3	18.7	21.0
750 to 999 lb	S	38.8	41.9
1,000 to 9,999 lb	20.4	31.9	27.1
10,000 to 49,999 lb	29.9	40.6	37.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	48.1	49.2	S
SCTG 38, Precision instruments and apparatus	47.3	20.0	34.0
Less than 50 lb	S	S	S
50 to 99 lb	16.3	23.4	16.1
100 to 499 lb	32.7	29.2	15.9
500 to 749 lb	27.5	27.3	20.1
750 to 999 lb	31.5	30.7	47.6
1,000 to 9,999 lb	21.5	20.7	22.2
10,000 to 49,999 lb	29.2	33.3	45.9
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	33.9	29.0	15.1
Less than 50 lb	28.8	26.0	S
50 to 99 lb	28.5	22.5	29.3
100 to 499 lb	34.6	17.3	24.3
500 to 749 lb	29.5	15.9	16.7
750 to 999 lb	19.4	21.0	20.6
1,000 to 9,999 lb	S	44.6	18.6
10,000 to 49,999 lb	S	36.3	25.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	17.0	10.4	12.5
Less than 50 lb	44.6	15.9	25.1
50 to 99 lb	12.0	10.1	9.3
100 to 499 lb	10.1	9.2	11.6
500 to 749 lb	11.5	10.7	12.7
750 to 999 lb	15.4	20.3	17.5
1,000 to 9,999 lb	11.1	13.4	13.5
10,000 to 49,999 lb	13.5	12.4	14.4
50,000 to 99,999 lb	16.8	31.3	22.5
100,000 lb or more	33.3	23.4	28.9

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	12.8	14.8	13.0
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	41.6	S	43.5
10,000 to 49,999 lb	13.4	20.0	16.6
50,000 to 99,999 lb	23.2	30.8	26.1
100,000 lb or more	20.1	17.1	18.6
SCTG 43, Mixed freight	23.4	19.0	23.1
Less than 50 lb	27.4	27.3	25.3
50 to 99 lb	26.4	21.3	32.7
100 to 499 lb	16.0	16.9	21.1
500 to 749 lb	19.4	18.6	22.7
750 to 999 lb	16.5	20.3	28.2
1,000 to 9,999 lb	18.3	14.2	19.9
10,000 to 49,999 lb	37.3	29.4	38.1
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	26.5	24.8	32.4
Less than 50 lb	32.0	23.9	33.6
50 to 99 lb	38.6	26.2	32.8
100 to 499 lb	31.6	22.8	22.4
500 to 749 lb	41.7	27.6	28.5
750 to 999 lb	42.5	36.1	43.6
1,000 to 9,999 lb	28.0	32.3	41.8
10,000 to 49,999 lb	S	27.6	22.4
50,000 to 99,999 lb	S	48.7	47.4
100,000 lb or more	36.2	43.7	48.2

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	5.0	4.8	7.6	6.4	5.2	6.0	6.4	9.7	8.4	8.0
Less than 50 lb	12.4	4.8	7.7	6.3	6.0	5.5	8.4	12.7	14.8	15.0
50 to 99 lb	12.9	6.7	6.8	6.5	11.5	9.7	8.0	11.9	8.4	7.6
100 to 499 lb	12.2	4.5	8.0	8.0	5.9	6.1	6.0	8.6	7.9	7.7
500 to 749 lb	8.2	6.3	6.2	5.8	10.4	8.6	10.7	14.7	11.7	11.9
750 to 999 lb	9.9	6.3	9.4	7.3	8.5	8.5	8.1	16.9	14.5	14.6
1,000 to 9,999 lb	7.0	3.6	5.8	6.1	9.7	6.2	7.3	12.5	6.3	6.2
10,000 to 49,999 lb	9.2	6.1	6.4	6.0	10.8	10.3	11.2	24.3	13.4	11.9
50,000 to 99,999 lb	10.2	6.5	6.3	4.2	10.9	7.6	7.9	7.8	14.0	13.9
100,000 lb or more	6.1	8.3	10.6	3.1	8.4	10.8	10.2	10.5	15.3	17.7
SCTG 01, Live animals and live fish	30.3	34.4	28.2	S	42.5	S	S	37.0	37.6	36.0
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	23.4	S	S	S	S	S	S
100 to 499 lb	S	S	S	20.6	S	S	S	S	S	S
500 to 749 lb	S	S	S	21.4	S	S	S	S	S	S
750 to 999 lb	S	47.4	S	21.6	S	44.5	49.3	S	S	S
1,000 to 9,999 lb	S	S	35.9	34.6	S	S	S	S	S	S
10,000 to 49,999 lb	17.0	25.5	20.7	24.2	29.6	45.7	43.9	40.1	40.8	40.0
50,000 to 99,999 lb	37.4	38.3	34.9	17.9	S	S	S	47.3	46.2	46.3
100,000 lb or more	S	S	S	26.6	S	S	S	S	S	S
SCTG 02, Cereal grains	29.3	25.9	13.8	14.5	34.5	30.0	32.0	23.1	24.0	26.6
Less than 50 lb	S	S	S	S	S	S	S	-	-	-
50 to 99 lb	S	S	S	S	S	S	S	-	-	-
100 to 499 lb	34.3	40.5	49.9	S	42.4	45.4	23.7	S	S	S
500 to 749 lb	37.7	30.1	43.7	33.0	45.6	38.3	39.9	S	S	S
750 to 999 lb	47.3	S	S	35.4	S	S	S	-	-	-
1,000 to 9,999 lb	S	38.2	S	16.7	S	21.4	21.9	41.5	32.1	29.4
10,000 to 49,999 lb	17.5	22.3	37.1	16.5	20.4	23.6	31.0	35.4	35.4	38.5
50,000 to 99,999 lb	13.4	13.8	22.9	13.6	15.6	16.2	19.5	26.2	26.8	30.0
100,000 lb or more	35.5	31.3	16.1	16.7	40.2	34.9	36.7	S	S	S
SCTG 03, Other agricultural products	16.4	21.3	20.7	S	22.9	28.0	27.9	22.2	40.1	S
Less than 50 lb	29.7	27.8	23.2	S	31.8	28.2	32.2	37.0	40.8	41.7
50 to 99 lb	36.8	39.9	36.0	43.4	26.1	43.1	S	S	S	48.2
100 to 499 lb	32.2	40.5	29.9	S	36.6	41.5	41.3	40.1	S	S
500 to 749 lb	30.6	33.1	20.2	S	35.3	36.7	33.6	38.5	41.2	39.5
750 to 999 lb	22.9	29.8	27.8	S	25.5	32.0	28.6	43.9	38.5	38.3
1,000 to 9,999 lb	26.5	26.3	24.6	46.6	28.9	28.4	30.5	35.0	34.4	29.7
10,000 to 49,999 lb	22.2	23.3	33.0	15.6	35.9	31.8	44.9	24.9	35.8	37.7
50,000 to 99,999 lb	31.9	33.0	22.6	46.6	47.5	46.6	S	31.7	33.9	34.7
100,000 lb or more	27.7	29.1	26.8	27.2	35.1	36.5	33.8	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	18.8	13.2	13.9	S	16.3	18.2	18.9	S	17.2	15.4
Less than 50 lb	44.8	S	S	S	S	S	44.8	S	S	S
50 to 99 lb	46.6	S	29.8	S	S	S	39.3	47.2	38.6	39.7
100 to 499 lb	35.9	46.7	26.4	S	47.4	47.8	43.5	43.0	28.2	30.3
500 to 749 lb	46.8	S	32.0	S	S	S	S	48.2	26.5	27.1
750 to 999 lb	30.6	43.6	38.0	47.9	41.6	S	29.3	41.7	40.7	43.3
1,000 to 9,999 lb	18.9	32.6	16.9	45.7	36.4	42.5	40.9	28.0	20.1	20.0
10,000 to 49,999 lb	27.5	15.3	17.2	18.9	17.8	19.8	20.2	S	20.8	20.2
50,000 to 99,999 lb	13.8	22.6	20.8	21.9	16.2	24.9	27.2	25.8	38.3	30.6
100,000 lb or more	27.0	29.7	40.3	16.8	38.1	45.9	44.5	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	8.1	8.2	11.9	21.3	9.8	11.0	12.5	22.3	22.4	20.1
Less than 50 lb	35.4	40.0	36.8	36.4	41.5	43.4	S	S	47.6	49.2
50 to 99 lb	24.0	26.3	22.2	28.4	28.9	29.9	32.5	38.9	42.8	41.7
100 to 499 lb	23.7	25.3	20.2	26.9	27.1	28.6	28.7	38.2	41.4	40.6
500 to 749 lb	21.7	21.6	19.1	30.5	31.6	24.7	32.2	45.7	47.3	47.0
750 to 999 lb	19.7	21.6	15.7	S	25.4	20.0	24.6	45.4	48.3	47.4
1,000 to 9,999 lb	9.7	13.1	14.2	14.1	18.9	20.2	21.8	18.8	19.9	19.3
10,000 to 49,999 lb	11.3	10.6	13.1	5.7	13.4	13.6	16.1	25.3	27.4	24.6
50,000 to 99,999 lb	27.3	24.3	31.7	19.4	S	S	S	S	S	S
100,000 lb or more	S	38.8	35.4	21.5	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	26.2	13.6	11.5	42.9	24.1	19.4	21.8	31.6	23.7	23.5
Less than 50 lb	33.2	S	29.8	S	45.0	S	S	33.7	32.7	31.7
50 to 99 lb	S	S	S	S	S	S	S	38.9	42.0	41.9
100 to 499 lb	37.4	37.2	31.9	42.5	29.4	49.0	30.2	S	40.7	36.6
500 to 749 lb	S	47.6	48.3	13.9	S	46.0	S	S	S	S
750 to 999 lb	S	42.6	42.7	28.4	33.1	32.6	34.8	S	S	S
1,000 to 9,999 lb	45.7	26.1	27.4	13.7	39.2	23.1	23.7	35.7	30.7	30.4
10,000 to 49,999 lb	33.7	18.3	15.2	8.2	49.0	22.1	25.7	24.0	27.6	29.1
50,000 to 99,999 lb	S	S	43.8	29.5	S	S	S	S	S	S
100,000 lb or more	23.1	20.9	19.3	10.5	47.7	48.0	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	16.9	9.9	10.5	18.3	19.3	14.2	16.0	47.6	20.2	21.2
Less than 50 lb	32.8	23.9	S	18.4	41.4	22.9	28.5	38.6	41.8	40.9
50 to 99 lb	22.1	19.2	32.3	14.1	19.8	18.0	20.5	45.6	34.9	33.6
100 to 499 lb	11.6	13.8	18.0	12.3	13.6	14.8	16.0	23.2	25.8	25.8
500 to 749 lb	9.6	13.1	18.7	14.8	12.3	15.0	14.3	31.4	36.3	37.4
750 to 999 lb	12.6	13.3	12.3	15.3	13.0	15.6	18.4	36.1	41.6	42.3
1,000 to 9,999 lb	10.4	11.8	10.1	8.7	13.5	15.6	12.0	16.1	17.6	18.1
10,000 to 49,999 lb	24.5	11.3	10.5	7.3	30.4	16.8	12.9	S	24.0	26.2
50,000 to 99,999 lb	40.5	30.4	26.8	17.2	S	S	S	S	S	47.1
100,000 lb or more	24.3	25.1	22.6	10.7	S	49.1	S	47.9	47.9	47.8
SCTG 08, Alcoholic beverages	10.2	15.2	31.3	8.5	7.0	10.2	11.4	21.3	22.8	23.2
Less than 50 lb	26.4	13.7	22.2	8.6	29.1	13.5	16.5	41.1	37.6	41.1
50 to 99 lb	12.6	8.6	11.2	11.3	14.4	9.7	12.9	23.5	19.2	20.1
100 to 499 lb	11.0	7.1	7.1	7.1	10.9	11.9	10.2	22.9	18.1	16.6
500 to 749 lb	9.1	8.5	7.8	7.4	9.7	9.3	10.4	22.7	21.9	21.5
750 to 999 lb	13.0	11.3	11.9	19.4	13.7	12.3	12.5	33.5	24.4	25.2
1,000 to 9,999 lb	7.5	9.4	13.0	11.5	8.7	10.5	10.6	22.3	19.5	19.5
10,000 to 49,999 lb	26.4	28.7	32.3	19.9	20.8	22.7	28.9	46.9	33.9	34.9
50,000 to 99,999 lb	27.2	25.7	34.9	30.7	40.3	41.4	S	S	S	S
100,000 lb or more	S	S	S	21.3	S	S	S	—	—	—
SCTG 09, Tobacco products	34.3	35.0	34.6	17.9	27.9	34.7	29.6	S	49.1	49.1
Less than 50 lb	26.3	26.4	44.1	19.0	24.8	24.1	25.8	47.2	46.9	44.1
50 to 99 lb	31.3	28.9	38.7	12.9	28.3	27.0	30.1	40.3	35.0	33.1
100 to 499 lb	43.7	39.2	S	18.8	28.4	29.8	34.9	S	S	S
500 to 749 lb	33.7	36.8	49.6	20.1	42.0	41.7	45.2	31.7	42.1	47.0
750 to 999 lb	S	S	S	24.9	S	S	S	S	S	S
1,000 to 9,999 lb	28.3	40.4	49.5	S	30.1	44.2	35.3	45.6	44.3	44.0
10,000 to 49,999 lb	S	S	S	22.4	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	48.4	42.7	S	17.5	40.1	S	S	S	S	S
Less than 50 lb	S	S	S	22.1	S	S	S	—	—	—
50 to 99 lb	S	S	S	22.4	S	S	S	—	—	—
100 to 499 lb	S	49.6	S	21.8	S	48.6	S	—	—	—
500 to 749 lb	S	S	S	20.9	S	S	S	—	—	—
750 to 999 lb	S	S	S	20.4	S	S	S	—	—	—
1,000 to 9,999 lb	45.1	41.9	35.7	25.9	47.3	46.0	38.8	S	S	S
10,000 to 49,999 lb	S	44.9	S	26.4	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	20.4	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	16.3	24.9	22.7	S	22.2	29.4	21.1	22.1	40.4	40.9
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	32.0	S	S	S	—	—	—
100 to 499 lb	S	37.8	S	35.2	S	41.1	S	S	S	S
500 to 749 lb	48.1	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	22.3	S	S	S	—	—	—
1,000 to 9,999 lb	36.7	39.8	39.5	S	35.2	47.7	S	S	S	S
10,000 to 49,999 lb	22.5	38.0	17.1	S	33.7	41.7	32.1	33.0	S	S
50,000 to 99,999 lb	22.3	27.6	26.8	30.5	22.9	25.4	22.4	30.0	S	S
100,000 lb or more	44.0	36.7	39.5	22.6	39.8	33.3	40.7	S	S	S
SCTG 12, Gravel and crushed stone	14.8	15.4	12.7	14.0	21.5	20.5	25.2	16.8	20.6	19.8
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	35.0	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	46.6	S	22.9	S	45.2	S	S	S	S
750 to 999 lb	S	S	45.5	S	S	S	S	S	S	S
1,000 to 9,999 lb	38.1	34.3	22.9	39.7	35.4	39.7	44.3	S	35.0	34.9
10,000 to 49,999 lb	23.7	19.3	18.7	12.3	29.7	22.9	26.3	22.4	27.0	24.9
50,000 to 99,999 lb	15.0	17.0	17.7	11.7	20.8	23.2	30.1	19.4	24.1	23.4
100,000 lb or more	19.0	21.4	18.1	16.1	35.1	36.2	33.4	46.8	S	S
SCTG 13, Nonmetallic minerals n.e.c.	9.5	38.4	39.3	31.2	22.6	S	S	25.5	46.7	39.9
Less than 50 lb	42.3	40.2	S	21.0	S	50.0	S	S	S	S
50 to 99 lb	41.8	36.9	S	S	S	42.0	46.9	S	S	S
100 to 499 lb	36.0	27.0	S	22.6	S	29.5	31.0	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	46.6	34.5	S	22.3	S	49.1	S	—	—	—
1,000 to 9,999 lb	25.3	36.9	39.9	S	32.0	44.2	47.2	S	44.5	42.3
10,000 to 49,999 lb	15.1	S	29.1	S	29.6	S	S	20.6	47.1	43.5
50,000 to 99,999 lb	22.5	S	35.1	28.1	40.4	S	S	32.5	S	S
100,000 lb or more	24.1	39.3	49.1	10.7	38.3	43.0	45.6	S	47.9	43.4

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	40.0	S	38.5	30.5	S	S	S	S	44.4	42.2
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	49.0	S	S	S	S	S	S	S	S	S
100 to 499 lb	38.3	45.7	47.1	41.8	S	S	S	S	S	S
500 to 749 lb	S	S	48.5	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	29.2	S	S	S	—	—	—
1,000 to 9,999 lb	48.5	S	42.4	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	38.3	19.1	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	37.9	S	S	S	—	—	—
100,000 lb or more	S	S	42.8	18.9	S	S	S	—	—	—
SCTG 15, Coal	17.7	19.9	16.6	34.5	19.2	20.5	17.0	40.1	40.9	46.5
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	22.4	S	S	S	—	—	—
100 to 499 lb	S	S	S	22.4	S	S	S	—	—	—
500 to 749 lb	S	S	S	22.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	22.4	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	26.8	S	S	S	—	—	—
10,000 to 49,999 lb	25.3	30.4	S	21.4	34.3	33.4	35.5	S	S	S
50,000 to 99,999 lb	28.7	34.6	26.4	33.2	34.1	38.5	37.1	S	S	S
100,000 lb or more	20.5	21.3	20.6	S	21.4	21.7	21.0	44.0	40.5	48.5
SCTG 17, Gasoline and aviation turbine fuel	5.8	16.3	29.9	8.8	9.7	19.1	13.8	17.3	19.7	17.2
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	28.9	32.7	30.1	S	29.2	32.8	30.1	S	S	S
100 to 499 lb	29.7	34.1	30.6	17.9	30.2	34.4	31.9	S	S	S
500 to 749 lb	S	30.7	47.7	21.5	S	31.9	S	S	S	S
750 to 999 lb	32.6	31.2	37.3	21.4	36.6	35.3	37.4	S	S	S
1,000 to 9,999 lb	20.2	17.6	22.7	14.3	22.2	19.3	31.6	27.3	25.9	27.7
10,000 to 49,999 lb	13.7	15.8	22.6	41.0	15.3	16.9	13.9	28.0	27.7	29.5
50,000 to 99,999 lb	7.6	7.5	17.4	16.9	8.7	8.8	9.8	14.7	14.8	14.2
100,000 lb or more	8.0	19.2	30.9	18.1	14.7	23.5	21.1	S	49.3	43.4
SCTG 18, Fuel oils	14.4	15.8	18.5	6.6	20.5	22.0	30.7	25.4	32.8	38.1
Less than 50 lb	S	46.2	S	25.5	S	46.5	S	S	S	S
50 to 99 lb	S	41.2	42.7	49.1	S	43.2	46.0	S	S	S
100 to 499 lb	30.0	19.7	20.4	13.2	30.2	19.7	21.2	S	S	S
500 to 749 lb	38.5	19.1	33.6	27.9	40.4	21.1	24.6	S	S	S
750 to 999 lb	43.1	20.1	31.7	15.9	43.9	21.0	26.7	S	S	S
1,000 to 9,999 lb	18.1	19.2	17.6	7.4	19.3	20.8	21.6	26.9	19.0	17.5
10,000 to 49,999 lb	28.7	30.0	25.8	16.8	35.0	36.5	46.9	46.3	48.3	48.2
50,000 to 99,999 lb	21.2	19.6	23.4	20.6	24.0	22.0	21.6	21.9	22.4	22.8
100,000 lb or more	17.6	18.4	19.8	16.2	26.1	26.3	37.0	47.2	S	S
SCTG 19, Coal and petroleum products, n.e.c.	9.0	10.5	11.4	16.8	13.0	14.3	17.1	21.3	26.3	30.3
Less than 50 lb	36.2	24.7	S	26.5	46.0	28.4	S	43.6	44.5	43.6
50 to 99 lb	31.8	27.8	S	18.9	31.0	27.4	25.0	S	S	S
100 to 499 lb	27.1	32.6	S	18.3	26.1	34.3	33.6	47.8	S	49.7
500 to 749 lb	30.8	S	39.3	34.2	39.5	S	S	46.1	34.0	32.3
750 to 999 lb	28.3	38.8	S	24.6	33.5	45.0	47.0	46.9	41.3	40.5
1,000 to 9,999 lb	24.0	27.8	S	18.0	26.9	27.0	36.1	34.9	36.1	35.3
10,000 to 49,999 lb	13.9	30.0	29.3	18.1	16.7	48.9	S	15.1	17.3	17.2
50,000 to 99,999 lb	19.8	21.3	26.0	13.9	30.5	28.7	33.5	41.5	33.5	35.1
100,000 lb or more	11.7	11.0	13.5	10.9	16.0	15.8	17.9	32.3	32.7	36.7
SCTG 20, Basic chemicals ..	24.3	13.7	21.5	12.6	19.3	10.5	11.7	13.6	13.2	14.0
Less than 50 lb	26.7	28.7	34.8	28.3	30.3	32.7	44.2	43.5	36.6	39.3
50 to 99 lb	28.4	47.2	47.7	S	37.4	S	S	S	S	S
100 to 499 lb	29.1	40.3	31.4	S	34.5	42.7	S	31.6	33.5	35.0
500 to 749 lb	31.9	44.6	46.2	29.1	39.6	48.4	S	31.0	44.6	42.9
750 to 999 lb	49.7	S	43.7	40.3	S	S	S	31.1	37.4	39.2
1,000 to 9,999 lb	36.5	27.2	S	10.1	27.7	27.0	21.5	19.8	21.5	21.7
10,000 to 49,999 lb	37.4	24.2	40.8	8.7	33.5	24.9	27.1	17.6	31.3	33.8
50,000 to 99,999 lb	23.0	14.3	21.2	14.0	30.7	16.7	16.0	36.9	21.1	21.1
100,000 lb or more	19.6	12.3	18.4	3.9	20.5	11.3	14.8	19.2	18.0	19.1
SCTG 21, Pharmaceutical products	9.8	17.4	22.1	11.2	13.2	23.3	19.8	20.4	27.9	27.6
Less than 50 lb	13.2	16.1	20.1	11.2	15.6	22.7	15.2	27.0	24.8	26.5
50 to 99 lb	17.4	17.2	25.8	15.4	32.6	22.0	28.4	29.0	25.2	25.9
100 to 499 lb	21.5	16.4	28.7	15.9	33.7	17.2	15.9	25.5	29.4	27.4
500 to 749 lb	30.4	26.4	35.4	36.2	49.2	40.9	46.7	S	S	S
750 to 999 lb	S	25.1	S	26.5	37.3	35.8	45.2	S	S	44.6
1,000 to 9,999 lb	21.7	24.4	19.9	32.1	25.1	29.8	27.5	S	S	S
10,000 to 49,999 lb	21.8	28.0	26.5	8.2	S	S	S	34.9	44.1	44.4
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	19.6	14.9	20.8	21.5	31.2	24.0	20.1	17.6	17.1	17.4
Less than 50 lb	44.8	47.6	49.0	28.3	S	S	38.6	S	S	S
50 to 99 lb	43.5	S	48.5	40.4	48.6	S	44.0	S	S	S
100 to 499 lb	36.4	S	27.7	S	43.4	S	31.0	S	S	S
500 to 749 lb	24.8	27.4	48.5	31.5	29.3	32.7	38.4	S	S	S
750 to 999 lb	23.9	36.1	29.2	S	34.0	49.5	49.2	S	S	S
1,000 to 9,999 lb	21.4	23.4	21.2	S	23.2	24.9	31.2	33.4	37.8	35.2
10,000 to 49,999 lb	36.0	12.7	22.5	16.6	S	18.5	23.3	23.7	22.0	22.7
50,000 to 99,999 lb	23.6	27.1	21.4	9.3	33.8	43.6	S	20.9	21.7	21.8
100,000 lb or more	27.6	23.6	23.9	7.0	S	S	30.1	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	11.0	11.0	16.6	9.9	10.3	18.8	15.7	13.3	21.0	20.7
Less than 50 lb	14.5	12.1	18.4	12.1	12.8	13.1	14.6	25.1	17.3	17.1
50 to 99 lb	13.5	13.5	16.1	16.8	17.2	16.9	16.8	17.2	24.7	24.8
100 to 499 lb	9.4	11.2	14.2	13.4	11.6	13.9	12.8	17.8	16.1	15.4
500 to 749 lb	12.1	11.2	14.6	12.4	14.7	18.0	15.6	25.2	28.4	26.6
750 to 999 lb	16.6	15.8	15.3	12.4	21.3	19.7	29.6	35.8	35.7	35.8
1,000 to 9,999 lb	10.1	9.5	17.2	8.8	15.2	10.4	13.0	16.1	22.3	21.3
10,000 to 49,999 lb	17.4	13.9	23.4	10.8	12.6	17.7	23.5	22.8	30.6	29.9
50,000 to 99,999 lb	30.7	28.6	28.3	S	42.2	40.9	S	35.7	36.2	36.7
100,000 lb or more	25.7	26.0	15.8	9.7	S	S	48.6	S	S	S
SCTG 24, Plastics and rubber	4.9	7.3	9.3	6.0	7.8	13.4	17.5	10.9	15.5	15.9
Less than 50 lb	14.2	16.1	25.6	10.2	15.5	15.5	14.4	19.1	16.2	17.6
50 to 99 lb	15.9	17.5	16.5	8.3	13.8	15.3	13.6	25.1	18.3	17.2
100 to 499 lb	8.9	10.3	10.6	6.5	11.8	14.9	13.8	19.6	15.6	15.4
500 to 749 lb	10.0	12.6	11.8	15.0	18.4	21.6	22.5	19.6	21.1	20.6
750 to 999 lb	17.1	13.0	12.9	13.8	22.9	25.4	32.4	S	29.4	31.9
1,000 to 9,999 lb	8.8	12.3	13.5	3.8	11.4	10.8	13.9	12.1	16.3	16.7
10,000 to 49,999 lb	7.6	12.8	13.7	6.5	17.0	28.4	34.1	14.1	19.1	19.2
50,000 to 99,999 lb	24.1	22.0	48.8	25.8	32.9	28.4	31.6	45.5	47.1	45.2
100,000 lb or more	8.3	9.9	10.2	3.8	20.9	21.0	28.6	29.7	30.1	30.0
SCTG 25, Logs and other wood in the rough	20.0	30.4	40.2	S	24.5	34.5	33.4	30.2	38.4	37.5
Less than 50 lb	49.8	S	S	20.3	S	S	S	—	—	—
50 to 99 lb	S	S	S	35.4	S	S	S	—	—	—
100 to 499 lb	41.1	49.4	S	S	49.1	S	S	S	S	S
500 to 749 lb	30.6	S	49.3	30.6	36.7	S	S	S	S	S
750 to 999 lb	S	S	44.7	27.2	S	S	S	S	S	S
1,000 to 9,999 lb	25.9	S	38.9	S	30.4	S	46.9	39.8	42.2	41.1
10,000 to 49,999 lb	26.2	24.3	19.9	43.9	20.6	29.3	35.2	35.7	36.8	35.2
50,000 to 99,999 lb	23.4	30.8	25.2	S	29.8	39.7	35.9	38.1	41.9	41.3
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	20.0	33.1	36.9	14.3	11.2	25.9	29.8	12.5	33.4	31.7
Less than 50 lb	37.6	30.6	S	14.1	25.5	19.9	26.2	43.5	37.3	38.6
50 to 99 lb	16.8	15.4	24.7	28.1	23.2	18.0	26.7	36.3	31.5	32.0
100 to 499 lb	26.1	21.0	33.9	9.8	18.5	16.5	17.7	29.8	19.1	18.0
500 to 749 lb	15.7	22.1	22.0	25.2	19.7	19.9	16.8	49.5	S	S
750 to 999 lb	22.9	20.8	29.5	37.5	21.5	19.5	26.3	35.3	37.4	37.1
1,000 to 9,999 lb	16.2	14.4	17.5	15.2	15.4	16.4	13.3	13.8	15.2	15.6
10,000 to 49,999 lb	19.2	35.3	29.4	6.9	16.9	31.7	29.7	15.4	27.9	25.8
50,000 to 99,999 lb	13.7	29.8	24.1	14.1	23.9	S	S	18.8	43.5	43.7
100,000 lb or more	46.1	44.0	46.5	13.0	33.3	S	S	48.7	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	10.8	7.0	6.9	8.7	29.8	15.2	15.6	9.3	13.1	15.4
Less than 50 lb	17.3	12.4	25.8	19.6	19.6	13.6	13.3	39.4	25.7	25.3
50 to 99 lb	17.5	22.3	26.8	22.5	20.9	25.2	22.2	24.5	23.2	23.7
100 to 499 lb	18.6	19.3	37.1	18.0	18.6	19.9	15.0	32.6	34.6	33.8
500 to 749 lb	16.5	14.8	26.9	14.1	19.3	18.4	24.0	37.0	28.5	27.0
750 to 999 lb	24.2	24.4	46.6	26.5	30.1	25.8	20.5	47.2	46.1	S
1,000 to 9,999 lb	12.6	10.3	31.6	27.9	13.3	14.4	13.6	21.1	18.6	19.7
10,000 to 49,999 lb	17.4	7.2	7.2	6.1	49.4	23.9	24.4	14.0	15.3	15.7
50,000 to 99,999 lb	23.4	23.5	25.9	19.4	36.5	46.5	44.9	44.9	38.2	41.1
100,000 lb or more	11.0	13.8	12.0	5.0	40.8	42.8	43.0	26.0	31.8	37.3
SCTG 28, Paper or paperboard articles	8.0	8.3	11.0	18.4	11.4	13.0	11.0	13.5	19.4	19.2
Less than 50 lb	20.9	17.2	34.5	22.9	19.3	17.5	22.7	23.9	31.2	30.1
50 to 99 lb	19.9	22.7	S	20.4	19.9	19.0	26.1	49.2	S	49.6
100 to 499 lb	16.0	14.0	33.5	22.5	18.4	17.8	18.6	24.1	23.0	21.6
500 to 749 lb	18.4	16.9	21.9	17.2	21.6	21.6	40.3	39.7	24.0	24.5
750 to 999 lb	31.4	21.8	31.6	22.5	41.2	27.5	30.0	18.9	17.4	17.5
1,000 to 9,999 lb	14.9	17.0	12.7	15.2	19.9	25.3	17.0	16.4	21.1	20.7
10,000 to 49,999 lb	9.5	8.6	11.7	8.2	11.4	9.4	11.3	22.8	27.0	26.0
50,000 to 99,999 lb	45.4	47.7	S	17.5	S	S	S	S	S	S
100,000 lb or more	S	S	S	19.5	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	6.8	21.7	17.9	14.0	10.1	28.3	18.2	17.1	22.3	22.3
Less than 50 lb	17.7	28.3	28.6	15.1	20.5	38.3	S	48.9	S	S
50 to 99 lb	10.9	18.6	19.9	14.5	19.8	31.1	34.5	23.5	26.0	26.1
100 to 499 lb	13.0	9.8	16.5	12.6	10.7	15.3	10.9	27.2	21.3	22.0
500 to 749 lb	17.7	37.2	16.2	S	20.8	46.2	18.3	38.4	32.1	31.6
750 to 999 lb	20.9	45.8	14.1	37.5	31.7	S	35.9	30.2	37.0	37.2
1,000 to 9,999 lb	14.6	16.3	13.9	25.4	19.4	20.4	34.2	16.9	18.0	18.4
10,000 to 49,999 lb	15.4	13.5	25.0	19.5	11.6	13.1	20.0	S	S	S
50,000 to 99,999 lb	47.8	S	S	21.5	S	S	S	S	S	S
100,000 lb or more	S	S	49.4	S	S	S	46.2	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	27.1	39.9	22.4	5.4	35.8	46.4	36.7	33.2	24.7	23.6
Less than 50 lb	19.3	10.8	14.1	5.4	19.7	18.2	17.9	21.2	22.3	21.9
50 to 99 lb	15.8	13.2	19.7	8.0	40.3	17.4	22.4	48.5	32.0	34.1
100 to 499 lb	16.6	15.3	22.8	7.4	27.8	28.7	22.1	25.0	26.2	28.0
500 to 749 lb	35.9	18.9	19.1	18.4	35.4	42.8	35.9	29.2	39.5	36.6
750 to 999 lb	17.5	21.6	16.5	16.3	S	48.3	47.9	S	S	S
1,000 to 9,999 lb	44.3	33.2	19.4	13.2	S	48.3	49.5	S	45.3	42.1
10,000 to 49,999 lb	45.8	49.4	31.4	13.3	50.0	S	46.7	41.4	24.0	27.7
50,000 to 99,999 lb	S	S	S	35.0	S	S	S	S	S	S
100,000 lb or more	S	S	S	29.5	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	5.2	9.9	8.5	14.0	9.1	15.1	12.1	10.3	26.7	25.1
Less than 50 lb	33.3	S	30.5	18.8	S	S	S	26.8	29.9	29.8
50 to 99 lb	22.4	26.5	30.3	21.7	34.3	22.8	34.8	S	36.9	38.2
100 to 499 lb	21.4	24.4	20.7	27.2	25.1	24.0	32.9	18.0	23.9	24.8
500 to 749 lb	20.8	21.5	25.3	29.5	24.1	18.1	25.9	32.7	43.4	44.3
750 to 999 lb	28.1	17.1	25.1	28.5	40.8	18.9	26.7	S	41.2	42.7
1,000 to 9,999 lb	10.7	7.6	18.4	14.0	10.3	10.6	11.5	17.7	28.9	28.3
10,000 to 49,999 lb	7.0	11.9	10.3	13.0	14.0	17.2	14.1	14.8	39.7	38.6
50,000 to 99,999 lb	7.9	16.7	11.3	14.6	14.4	28.7	15.2	13.3	13.6	14.0
100,000 lb or more	13.1	19.9	20.6	22.0	26.4	29.0	36.7	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	11.4	22.5	14.5	12.1	16.8	30.6	20.2	9.7	13.1	12.3
Less than 50 lb	19.2	18.2	12.7	13.7	29.6	23.1	21.2	21.8	20.4	17.0
50 to 99 lb	22.6	18.2	22.8	34.6	37.8	25.2	25.7	45.7	32.4	35.1
100 to 499 lb	14.7	14.6	24.6	20.5	15.4	22.3	16.3	19.4	14.1	14.2
500 to 749 lb	17.3	13.5	23.7	15.6	12.6	18.5	22.5	45.8	24.3	24.6
750 to 999 lb	15.2	11.0	20.2	14.4	18.5	17.0	23.1	21.7	20.3	20.4
1,000 to 9,999 lb	9.6	16.5	16.3	13.2	16.6	27.0	22.4	16.0	12.6	12.8
10,000 to 49,999 lb	8.0	9.5	8.6	5.1	12.7	14.1	13.0	12.6	12.2	12.0
50,000 to 99,999 lb	30.5	33.1	31.0	46.9	40.3	42.5	S	S	47.3	46.5
100,000 lb or more	35.8	48.9	21.6	18.9	S	S	S	S	S	S
SCTG 33, Articles of base metal	5.6	14.4	17.2	10.4	7.7	14.7	14.7	11.6	33.3	35.7
Less than 50 lb	9.1	7.5	12.5	12.3	13.5	10.4	11.5	14.4	11.1	11.5
50 to 99 lb	13.5	10.3	21.5	11.6	18.5	11.8	12.5	25.0	21.8	21.8
100 to 499 lb	8.6	9.1	15.7	12.1	11.3	12.0	11.4	23.6	14.6	14.3
500 to 749 lb	14.0	10.1	14.6	12.6	16.4	16.6	17.8	43.5	15.0	15.0
750 to 999 lb	19.1	13.4	31.7	14.2	29.0	19.5	19.7	27.7	24.1	25.6
1,000 to 9,999 lb	8.2	8.4	6.9	5.7	12.3	11.5	9.8	19.6	17.4	17.6
10,000 to 49,999 lb	8.3	19.1	23.3	6.6	10.9	27.1	26.9	22.4	27.0	28.6
50,000 to 99,999 lb	42.4	31.4	37.8	16.4	19.5	19.2	21.9	S	S	S
100,000 lb or more	22.7	23.0	42.6	16.4	32.4	28.7	25.0	S	S	S
SCTG 34, Machinery	8.2	9.2	10.2	9.9	12.3	18.1	26.2	21.5	35.8	36.7
Less than 50 lb	10.0	10.1	15.7	11.1	11.1	13.6	13.1	15.1	24.2	17.2
50 to 99 lb	11.9	16.4	15.5	14.1	20.9	23.9	35.3	27.9	20.3	18.9
100 to 499 lb	7.9	7.1	13.7	10.5	12.3	11.2	13.4	26.4	18.1	18.6
500 to 749 lb	9.9	10.7	17.0	12.4	20.1	19.1	16.8	33.6	24.0	25.1
750 to 999 lb	21.8	17.2	28.9	10.2	29.0	24.5	26.0	23.9	24.0	24.2
1,000 to 9,999 lb	15.6	17.4	11.3	7.3	30.0	37.3	S	S	28.6	27.3
10,000 to 49,999 lb	16.1	15.4	17.7	9.0	18.3	22.4	26.3	26.0	S	S
50,000 to 99,999 lb	23.0	20.7	30.1	18.0	32.6	31.2	35.1	S	S	S
100,000 lb or more	33.6	28.3	39.6	14.8	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	17.6	18.8	16.7	7.3	33.0	28.8	43.3	26.7	40.8	44.8
Less than 50 lb	14.6	6.5	9.9	7.0	16.0	8.7	12.7	30.9	16.9	15.0
50 to 99 lb	34.5	18.7	31.1	9.8	40.3	12.6	18.5	44.3	22.3	20.9
100 to 499 lb	31.5	24.9	41.2	10.2	26.5	14.6	16.9	24.1	36.8	38.1
500 to 749 lb	29.4	38.4	24.8	13.6	49.2	21.0	19.5	44.7	28.4	30.1
750 to 999 lb	25.2	37.9	43.2	14.0	34.8	21.5	35.4	S	44.9	44.3
1,000 to 9,999 lb	24.0	27.1	22.1	9.3	S	34.2	42.9	S	S	S
10,000 to 49,999 lb	43.3	19.1	12.4	12.4	S	S	S	S	S	S
50,000 to 99,999 lb	49.1	S	S	18.4	S	S	S	S	S	S
100,000 lb or more	39.5	27.1	32.1	20.1	S	S	S	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	11.4	12.7	15.5	14.2	10.0	14.2	29.1	40.7	44.8	43.9
Less than 50 lb	12.2	13.7	17.2	16.7	14.2	15.6	15.2	19.0	24.4	22.8
50 to 99 lb	19.8	16.7	14.8	13.7	19.6	20.5	20.0	17.9	25.0	24.6
100 to 499 lb	18.0	15.4	15.8	11.6	19.6	22.1	21.9	14.9	18.9	16.2
500 to 749 lb	33.8	15.9	20.9	18.3	34.9	27.4	26.9	21.5	27.6	26.9
750 to 999 lb	27.3	24.9	27.4	28.4	42.3	28.7	37.9	S	40.5	43.9
1,000 to 9,999 lb	24.3	17.3	37.4	12.4	18.3	19.2	21.9	21.2	30.3	29.2
10,000 to 49,999 lb	26.9	27.7	11.6	12.7	32.0	36.5	S	S	S	S
50,000 to 99,999 lb	S	44.9	S	18.0	S	39.7	48.3	S	S	S
100,000 lb or more	39.1	47.2	S	35.7	45.1	43.6	41.8	S	S	S
SCTG 37, Transportation equipment, n.e.c.	9.0	26.9	39.8	11.4	26.3	40.9	42.7	34.0	S	S
Less than 50 lb	19.5	S	48.1	12.9	28.9	27.2	34.3	S	S	S
50 to 99 lb	S	29.8	29.1	22.5	46.6	S	35.1	S	S	S
100 to 499 lb	21.9	25.2	25.6	24.4	34.1	42.7	34.7	S	46.5	44.6
500 to 749 lb	28.3	18.7	21.0	13.8	S	36.9	38.0	S	S	S
750 to 999 lb	S	38.8	41.9	16.2	S	S	S	—	—	—
1,000 to 9,999 lb	20.4	31.9	27.1	26.0	S	48.4	S	S	S	S
10,000 to 49,999 lb	29.9	40.6	37.3	36.7	44.8	48.2	46.9	S	S	S
50,000 to 99,999 lb	S	S	S	29.4	S	S	S	—	—	—
100,000 lb or more	48.1	49.2	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	47.3	20.0	34.0	9.0	23.6	22.7	26.9	28.5	20.7	21.0
Less than 50 lb	S	S	S	8.9	18.3	30.7	25.7	45.1	26.7	24.6
50 to 99 lb	16.3	23.4	16.1	21.9	27.4	38.8	48.8	S	45.7	48.0
100 to 499 lb	32.7	29.2	15.9	26.7	S	39.0	45.0	38.6	30.6	38.9
500 to 749 lb	27.5	27.3	20.1	28.3	36.9	42.4	S	S	S	S
750 to 999 lb	31.5	30.7	47.6	15.8	33.0	35.2	48.1	S	S	S
1,000 to 9,999 lb	21.5	20.7	22.2	15.4	30.6	36.1	41.3	S	S	S
10,000 to 49,999 lb	29.2	33.3	45.9	16.8	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.4	—	—	—	—	—	—
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	33.9	29.0	15.1	9.6	28.8	41.4	S	S	S	S
Less than 50 lb	28.8	26.0	S	12.4	25.7	17.9	17.2	28.0	28.9	29.0
50 to 99 lb	28.5	22.5	29.3	10.6	32.5	31.7	32.9	25.8	20.2	19.5
100 to 499 lb	34.6	17.3	24.3	10.8	34.4	23.1	26.2	26.1	33.2	32.0
500 to 749 lb	29.5	15.9	16.7	8.7	36.0	24.9	24.0	34.7	49.6	S
750 to 999 lb	19.4	21.0	20.6	9.1	37.1	41.5	S	23.3	18.9	19.1
1,000 to 9,999 lb	S	44.6	18.6	10.4	S	S	S	S	S	S
10,000 to 49,999 lb	S	36.3	25.4	16.8	43.6	31.6	28.8	47.6	35.9	36.7
50,000 to 99,999 lb	S	S	S	22.0	S	S	S	—	—	—
100,000 lb or more	S	S	S	22.4	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	17.0	10.4	12.5	8.3	11.6	22.2	19.0	24.2	26.2	27.6
Less than 50 lb	44.6	15.9	25.1	8.8	21.9	17.9	15.1	17.4	24.9	26.8
50 to 99 lb	12.0	10.1	9.3	9.5	16.3	15.0	17.2	26.9	27.0	26.8
100 to 499 lb	10.1	9.2	11.6	7.4	12.9	11.5	12.0	13.8	16.1	16.7
500 to 749 lb	11.5	10.7	12.7	8.7	16.0	14.6	13.9	46.9	33.3	33.9
750 to 999 lb	15.4	20.3	17.5	11.1	26.7	20.5	17.0	29.2	29.2	31.7
1,000 to 9,999 lb	11.1	13.4	13.5	9.9	17.7	21.0	26.1	21.6	25.1	24.6
10,000 to 49,999 lb	13.5	12.4	14.4	8.2	17.1	31.1	28.6	S	40.3	46.2
50,000 to 99,999 lb	16.8	31.3	22.5	26.5	44.8	S	48.7	35.2	49.2	43.6
100,000 lb or more	33.3	23.4	28.9	15.6	47.3	49.7	S	S	S	S
SCTG 41, Waste and scrap .	12.8	14.8	13.0	15.3	22.1	23.4	23.0	18.6	27.6	33.3
Less than 50 lb	S	S	S	22.4	S	S	S	S	S	S
50 to 99 lb	S	S	S	22.0	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	27.6	S	S	S	S	S	S
750 to 999 lb	S	S	S	22.1	S	S	S	—	—	—
1,000 to 9,999 lb	41.6	S	43.5	S	S	S	S	S	S	S
10,000 to 49,999 lb	13.4	20.0	16.6	16.5	23.5	31.3	29.0	23.9	25.1	28.8
50,000 to 99,999 lb	23.2	30.8	26.1	40.1	30.4	44.8	S	43.2	S	S
100,000 lb or more	20.1	17.1	18.6	13.4	44.5	33.7	S	43.7	44.9	44.1
SCTG 43, Mixed freight	23.4	19.0	23.1	12.3	14.0	13.8	15.4	23.2	20.5	19.8
Less than 50 lb	27.4	27.3	25.3	29.3	31.7	31.8	30.1	S	S	S
50 to 99 lb	26.4	21.3	32.7	18.8	32.9	22.4	24.3	49.1	37.4	38.4
100 to 499 lb	16.0	16.9	21.1	11.1	17.0	17.0	16.8	20.0	21.7	21.0
500 to 749 lb	19.4	18.6	22.7	18.5	25.0	21.8	22.2	27.5	26.5	26.5
750 to 999 lb	16.5	20.3	28.2	9.9	18.6	18.1	21.0	29.4	19.0	19.9
1,000 to 9,999 lb	18.3	14.2	19.9	14.8	15.2	16.2	20.0	13.2	14.2	14.3
10,000 to 49,999 lb	37.3	29.4	38.1	23.8	22.0	19.9	20.5	36.5	31.8	30.4
50,000 to 99,999 lb	S	S	S	20.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.4	—	—	—	S	S	S

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	26.5	24.8	32.4	11.7	19.4	31.2	29.2	S	40.9	38.6
Less than 50 lb	32.0	23.9	33.6	13.1	25.2	31.1	24.1	S	38.6	42.2
50 to 99 lb	38.6	26.2	32.8	S	S	30.7	43.0	S	S	S
100 to 499 lb	31.6	22.8	22.4	S	31.2	23.0	34.9	S	S	S
500 to 749 lb	41.7	27.6	28.5	39.3	42.3	36.5	49.6	S	S	S
750 to 999 lb	42.5	36.1	43.6	23.4	S	S	S	S	S	S
1,000 to 9,999 lb	28.0	32.3	41.8	21.5	S	30.8	S	S	46.7	44.9
10,000 to 49,999 lb	S	27.6	22.4	18.9	45.7	29.9	36.8	S	S	S
50,000 to 99,999 lb	S	48.7	47.4	31.9	S	S	S	S	S	S
100,000 lb or more	36.2	43.7	48.2	21.2	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	9.8	8.1	9.7	8.7	11.6	10.3	3.9	13.9	14.2	5.5	14.0	13.0
Less than 50 lb	10.1	6.3	5.9	14.7	7.9	9.2	20.3	8.7	8.7	20.5	10.8	10.5
50 to 99 lb	10.0	10.7	10.8	8.5	10.9	10.5	11.9	9.3	9.1	7.7	8.7	8.9
100 to 499 lb	13.5	8.6	8.5	12.3	9.4	8.9	7.8	8.1	8.6	17.5	5.9	5.9
500 to 749 lb	13.4	10.2	11.6	20.5	15.8	14.9	18.8	7.8	7.8	16.9	8.3	8.2
750 to 999 lb	13.0	10.9	11.2	24.0	12.9	12.6	16.6	17.6	18.1	21.3	14.1	13.9
1,000 to 9,999 lb	12.7	4.9	5.1	15.8	8.9	8.8	10.3	7.5	7.2	14.1	10.2	10.5
10,000 to 49,999 lb	22.1	10.2	9.8	10.3	8.1	7.4	3.2	7.4	7.8	8.7	4.4	4.5
50,000 to 99,999 lb	23.0	8.2	7.4	20.4	17.8	16.3	34.5	18.0	18.2	27.1	20.2	20.8
100,000 lb or more	8.8	12.6	14.9	23.5	17.8	14.9	10.5	19.1	19.0	6.4	17.9	16.4
SCTG 01, Live animals and live fish	39.3	44.9	45.9	27.7	29.7	30.2	41.0	41.4	40.9	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	43.8	41.8	42.5	S	S	S	—	—	—
10,000 to 49,999 lb	45.1	43.7	43.3	31.2	33.6	28.9	47.9	45.6	46.2	S	S	S
50,000 to 99,999 lb	41.9	41.0	41.3	42.5	40.4	41.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	27.1	26.9	25.1	23.0	26.9	24.0	27.8	30.5	29.7	42.9	41.7	42.3
Less than 50 lb	S	S	S	—	—	—	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	41.4	29.2	30.3	49.6	S	S	42.1	43.0	42.2	50.0	S	S
50,000 to 99,999 lb	39.0	37.7	36.5	S	S	S	39.9	40.8	40.0	—	—	—
100,000 lb or more	45.7	42.4	46.4	37.2	40.1	35.5	30.0	32.0	30.9	43.6	45.7	45.8
SCTG 03, Other agricultural products	37.3	S	S	31.2	36.5	39.8	30.9	35.9	39.0	29.5	35.7	35.1
Less than 50 lb	34.2	49.2	S	S	42.1	44.8	S	46.3	45.5	S	S	S
50 to 99 lb	35.3	34.8	S	S	43.4	44.4	S	S	S	S	S	S
100 to 499 lb	30.9	30.7	32.4	39.0	45.8	43.6	S	S	S	S	48.3	49.4
500 to 749 lb	36.9	35.1	31.4	S	33.8	34.9	47.0	S	S	S	S	S
750 to 999 lb	48.8	S	S	39.7	40.3	40.6	S	S	S	S	S	S
1,000 to 9,999 lb	43.7	44.8	40.0	41.6	41.4	41.3	29.6	47.0	46.1	43.4	46.7	48.1
10,000 to 49,999 lb	27.3	30.1	30.3	35.4	33.4	31.6	36.5	S	S	37.0	34.4	33.4
50,000 to 99,999 lb	38.0	37.6	41.0	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	42.2	16.1	15.3	22.1	22.7	22.7	34.6	42.6	41.8	33.9	28.8	28.7
Less than 50 lb	S	38.2	40.5	47.8	S	48.6	S	S	S	S	S	S
50 to 99 lb	S	S	S	43.6	36.8	34.7	S	S	S	—	—	—
100 to 499 lb	37.2	42.3	41.6	49.6	38.4	37.5	S	S	S	S	S	S
500 to 749 lb	39.7	45.3	48.3	S	S	S	S	40.8	41.3	S	S	S
750 to 999 lb	S	45.6	42.6	48.6	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	24.8	22.6	25.2	35.5	25.8	27.3	S	38.3	37.2	33.2	39.6	40.3
10,000 to 49,999 lb	S	20.8	20.8	29.2	28.9	29.0	28.7	34.5	33.5	27.6	27.7	27.0
50,000 to 99,999 lb	27.2	29.2	25.5	23.0	22.4	23.7	36.6	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	48.9	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	9.0	8.2	8.2	18.8	19.3	18.3	15.0	15.7	15.8	19.4	15.2	15.5
Less than 50 lb	S	41.8	42.8	S	46.6	44.9	S	S	S	S	S	S
50 to 99 lb	38.5	31.6	33.5	S	S	S	S	46.1	45.5	S	S	S
100 to 499 lb	18.8	19.1	20.6	35.9	36.2	33.3	S	S	S	S	41.6	41.8
500 to 749 lb	24.6	27.7	29.3	S	S	S	S	S	S	S	40.8	40.5
750 to 999 lb	27.3	24.7	25.7	S	36.8	39.7	35.2	29.1	29.8	S	S	S
1,000 to 9,999 lb	13.3	14.7	14.6	21.5	25.9	24.2	24.7	28.9	28.1	46.1	29.1	29.6
10,000 to 49,999 lb	13.1	11.3	11.5	20.8	21.2	20.2	16.1	16.4	16.6	20.4	16.2	16.7
50,000 to 99,999 lb	S	S	S	S	48.2	48.2	37.0	33.1	33.4	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	42.8	20.9	21.5	35.2	37.0	32.8	20.8	11.8	12.1	14.9	14.0	14.6
Less than 50 lb	S	35.3	36.4	49.6	S	S	S	S	S	S	S	S
50 to 99 lb	35.6	41.8	42.7	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	35.6	39.1	S	48.6	49.8	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	49.8	49.9	36.2	41.6	42.2
1,000 to 9,999 lb	S	36.1	36.1	S	39.5	39.7	S	43.4	47.2	27.5	31.8	32.3
10,000 to 49,999 lb	S	26.2	23.2	22.7	47.2	43.5	13.3	15.4	15.0	14.4	16.3	16.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	40.2	38.8	30.9	29.9	27.6	28.7	28.7	29.7	32.4	21.7	22.2

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	38.0	14.0	12.0	11.3	12.5	12.8	11.4	12.8	13.6	16.6	12.2	12.1
Less than 50 lb	41.6	38.4	37.5	34.9	32.6	34.3	S	S	S	S	S	S
50 to 99 lb	47.2	S	S	40.8	34.7	36.3	S	S	S	41.8	S	48.0
100 to 499 lb	26.0	42.8	38.2	23.9	29.3	27.8	S	S	S	S	S	S
500 to 749 lb	31.9	24.9	28.9	20.9	26.4	24.9	S	S	S	S	S	S
750 to 999 lb	22.4	32.2	29.0	30.6	27.4	26.4	49.4	42.4	44.4	S	S	S
1,000 to 9,999 lb	12.3	12.0	11.0	19.0	18.3	16.8	18.7	16.4	15.7	21.2	38.6	38.0
10,000 to 49,999 lb	49.6	18.2	16.1	13.9	13.7	13.7	12.2	14.2	14.7	19.6	12.6	12.4
50,000 to 99,999 lb	32.8	33.0	31.3	S	47.8	47.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	45.0	43.7	43.9	32.7	24.3	24.1	25.9	30.7	30.3
SCTG 08, Alcoholic beverages	25.6	31.6	34.1	38.2	38.5	38.5	44.7	S	S	37.5	34.6	34.0
Less than 50 lb	49.9	45.2	41.2	S	S	S	S	S	S	—	—	—
50 to 99 lb	37.5	28.5	31.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	15.8	12.8	12.5	S	S	S	S	S	S	S	S	S
500 to 749 lb	28.8	22.9	22.4	S	S	S	S	S	S	—	—	—
750 to 999 lb	21.7	26.0	28.8	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	30.8	42.0	38.2	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	34.1	35.5	37.4	40.7	38.7	37.5	42.2	47.8	47.2	43.1	39.9	39.2
50,000 to 99,999 lb	36.5	33.8	36.2	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 09, Tobacco products	47.5	S	S	S	44.0	43.1	—	—	—	—	—	—
Less than 50 lb	48.1	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	47.7	41.7	45.4	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	S	S	S	S	S	S	S	40.5	39.9
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	40.1	38.9	41.4	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	28.3	37.9	39.0	32.5	S	S	S	38.9	40.0	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	39.1	S	S	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	32.1	37.1	38.3	38.5	37.6	37.9	S	S	S	S	S	S
50,000 to 99,999 lb	26.9	29.7	32.0	S	S	S	S	S	49.7	—	—	—
100,000 lb or more	S	45.5	46.3	44.5	S	S	S	44.3	44.6	S	S	S
SCTG 12, Gravel and crushed stone	17.4	18.7	15.9	29.4	28.3	27.2	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	42.6	46.0	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	21.1	33.2	30.0	35.4	35.3	34.5	S	S	S	—	—	—
50,000 to 99,999 lb	27.6	29.5	29.6	40.3	48.7	S	S	S	S	—	—	—
100,000 lb or more	24.3	26.3	20.3	46.9	39.9	38.9	S	S	S	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	15.8	37.6	S	30.8	12.0	13.7	30.3	S	S	22.1	30.6	32.1
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	41.3	S	S	S	S	S
100 to 499 lb	S	S	S	47.4	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	31.6	29.4	28.0	44.0	35.3	37.3	S	S	S	S	S	S
10,000 to 49,999 lb	18.3	13.3	13.8	39.4	19.7	19.6	33.4	35.0	37.0	29.8	35.4	35.1
50,000 to 99,999 lb	21.3	18.3	18.0	35.4	30.0	30.2	S	44.8	45.3	S	S	S
100,000 lb or more	S	S	S	25.9	21.7	24.4	43.5	S	S	33.0	32.7	33.6

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	S	S	S	S	S	S	47.2	44.9	43.9	35.1	44.6	45.0
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	47.3	47.4	47.2
SCTG 15, Coal	S	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	17.9	20.8	21.7	36.6	39.4	35.2	30.7	42.0	43.1	31.1	38.6	38.7
Less than 50 lb	—	—	—	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	33.8	32.2	34.4	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	19.7	19.2	21.0	S	S	49.5	46.7	43.0	41.8	S	S	S
50,000 to 99,999 lb	23.7	26.4	26.6	44.2	44.1	47.3	S	S	S	S	S	S
100,000 lb or more	22.6	24.4	25.7	37.7	39.8	35.7	32.8	42.7	43.8	32.5	38.4	38.3
SCTG 18, Fuel oils	26.9	24.4	25.1	32.7	33.5	37.8	35.6	35.8	33.7	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	46.5	41.5	45.8	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	37.0	36.6	32.0	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	28.0	27.0	27.8	S	S	S	S	S	S	S	S	S
100,000 lb or more	30.1	26.6	27.2	34.3	34.6	39.0	35.9	36.0	33.9	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	12.5	13.2	14.5	19.8	19.1	18.6	28.6	27.5	25.4	21.6	15.5	17.4
Less than 50 lb	43.7	46.2	S	S	S	S	46.7	S	S	S	S	S
50 to 99 lb	S	49.5	48.8	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	45.9	S	46.5	39.1	36.1	43.2	S	S	49.9	46.5	45.3
500 to 749 lb	38.3	36.3	33.6	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	43.9	45.8	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	25.7	32.2	30.9	S	S	S	S	35.7	35.6
10,000 to 49,999 lb	12.3	15.0	14.3	17.6	16.1	16.7	S	S	S	29.0	23.3	23.0
50,000 to 99,999 lb	32.4	26.5	29.6	37.9	33.5	31.8	S	41.5	44.1	S	44.0	44.8
100,000 lb or more	19.3	22.1	23.5	29.9	24.9	23.7	33.3	21.6	20.6	27.8	19.9	23.1
SCTG 20, Basic chemicals	11.8	14.4	16.0	S	39.7	35.2	10.8	15.3	16.8	13.8	23.2	25.6
Less than 50 lb	32.8	41.2	40.1	S	37.2	35.4	S	41.1	40.5	28.2	S	S
50 to 99 lb	S	S	S	44.8	S	S	S	S	S	41.0	S	S
100 to 499 lb	45.4	39.0	41.1	34.9	32.7	32.3	24.8	29.7	30.0	S	S	S
500 to 749 lb	37.4	26.5	26.3	34.1	29.1	29.4	S	39.0	39.5	42.0	36.7	37.0
750 to 999 lb	33.0	32.1	32.7	S	S	S	38.5	45.7	45.3	47.5	47.0	47.5
1,000 to 9,999 lb	14.5	19.9	20.2	38.6	47.6	44.6	22.8	19.0	18.8	S	S	S
10,000 to 49,999 lb	10.6	25.7	27.4	S	47.5	44.4	12.0	11.1	10.6	17.9	18.4	18.0
50,000 to 99,999 lb	S	16.8	16.2	34.0	26.6	24.2	42.3	36.9	37.4	S	43.6	40.0
100,000 lb or more	16.8	15.5	18.4	S	38.5	33.9	14.6	17.6	19.1	14.1	26.2	28.4
SCTG 21, Pharmaceutical products	14.2	19.6	19.6	25.8	16.2	17.2	21.5	19.1	20.2	24.6	30.0	30.2
Less than 50 lb	23.4	23.0	21.6	29.4	27.7	25.7	30.9	29.6	28.0	33.3	23.4	23.1
50 to 99 lb	23.6	23.0	23.1	26.7	25.5	26.3	S	S	S	49.8	37.1	37.8
100 to 499 lb	25.8	21.5	20.6	23.8	25.6	26.1	S	40.9	41.8	S	S	S
500 to 749 lb	41.9	41.1	39.5	S	48.9	48.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	41.6	39.1	S	S	S
1,000 to 9,999 lb	38.6	33.5	36.3	37.9	39.1	40.7	49.3	S	S	S	S	49.9
10,000 to 49,999 lb	S	48.3	48.7	37.2	35.6	36.2	25.5	22.3	23.5	27.8	34.4	34.6
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	14.2	16.9	18.6	17.7	24.8	23.0	32.0	31.4	35.1	33.3	35.4	40.2
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	39.4	42.0	39.6	S	S	47.3	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	34.3	25.9	23.9	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	17.9	19.0	18.3	24.0	22.9	24.4	48.9	S	S	41.2	42.8	44.9
50,000 to 99,999 lb	26.8	23.4	23.7	36.4	34.6	32.7	38.6	41.0	42.7	S	S	S
100,000 lb or more	23.2	26.2	26.5	23.0	29.2	26.4	35.6	33.6	37.0	35.0	36.4	41.2
SCTG 23, Chemical products and preparations, n.e.c.	36.1	24.0	27.8	13.0	17.6	17.7	16.2	11.4	11.5	15.9	14.0	13.5
Less than 50 lb	21.4	19.5	20.1	33.7	26.3	26.1	30.4	24.7	24.2	44.2	31.4	30.2
50 to 99 lb	20.8	20.2	21.9	32.8	33.2	30.1	40.1	35.0	34.8	30.3	34.5	35.3
100 to 499 lb	15.0	20.4	20.8	21.0	24.1	22.1	31.5	17.1	17.6	26.4	27.5	28.0
500 to 749 lb	22.6	24.1	22.4	30.8	30.8	28.4	S	27.4	28.5	28.8	29.1	28.8
750 to 999 lb	27.9	31.1	26.5	35.0	34.7	29.8	S	24.7	24.7	32.5	27.4	30.3
1,000 to 9,999 lb	10.0	11.6	11.2	20.2	20.2	19.5	15.5	17.0	16.8	24.2	33.1	33.9
10,000 to 49,999 lb	S	23.7	22.4	18.0	21.7	21.7	25.8	17.7	17.9	20.1	15.2	15.2
50,000 to 99,999 lb	42.4	36.5	36.2	48.1	31.3	34.0	S	S	S	S	S	S
100,000 lb or more	37.9	S	S	37.5	30.0	30.3	26.5	28.1	28.6	30.9	27.8	27.1
SCTG 24, Plastics and rubber	10.7	14.4	14.5	8.2	12.3	13.6	7.4	13.6	14.4	7.9	13.3	13.5
Less than 50 lb	26.2	29.0	31.3	34.6	24.9	21.6	29.2	40.0	42.1	S	S	S
50 to 99 lb	37.9	46.4	S	19.3	28.9	28.1	22.5	37.9	35.6	32.4	24.3	24.3
100 to 499 lb	28.8	13.4	13.2	14.7	12.4	12.0	16.8	18.1	17.8	25.8	20.7	20.2
500 to 749 lb	17.3	19.4	19.2	14.4	17.8	18.7	18.7	20.5	22.0	28.4	28.6	27.8
750 to 999 lb	17.7	20.9	20.0	15.7	16.7	18.3	20.5	28.7	27.6	30.3	22.8	21.8
1,000 to 9,999 lb	13.9	16.5	17.4	14.4	21.2	22.3	14.8	20.6	20.3	10.8	13.5	12.5
10,000 to 49,999 lb	13.8	20.4	19.7	11.8	16.3	16.3	8.4	11.3	11.2	12.7	19.7	20.3
50,000 to 99,999 lb	44.3	37.0	35.4	S	S	S	S	S	S	S	S	S
100,000 lb or more	21.9	19.2	21.6	18.8	19.8	20.8	15.2	18.2	19.0	11.8	13.5	13.5
SCTG 25, Logs and other wood in the rough	47.3	S	S	34.8	34.6	32.9	S	S	S	S	45.5	45.5
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	35.2	37.2	41.3	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	38.3	37.2	33.9	46.5	36.5	35.1	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	35.5	44.8	44.2	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	47.6	47.8
SCTG 26, Wood products	36.0	S	S	24.0	40.9	35.7	15.7	32.1	33.2	22.5	42.5	42.0
Less than 50 lb	29.7	36.1	34.8	30.1	36.4	36.4	S	S	S	S	S	S
50 to 99 lb	30.9	25.8	27.3	S	S	S	33.0	40.6	39.3	S	47.7	S
100 to 499 lb	41.5	45.0	44.7	S	S	S	43.6	36.7	35.3	S	28.7	29.8
500 to 749 lb	28.7	28.7	29.0	35.9	27.1	27.1	47.9	38.8	39.6	48.8	49.1	48.6
750 to 999 lb	S	S	S	36.8	37.8	33.8	S	38.5	38.7	28.5	26.9	29.0
1,000 to 9,999 lb	29.7	23.8	25.8	39.6	37.8	37.2	24.5	29.7	28.7	31.6	30.7	31.3
10,000 to 49,999 lb	29.5	46.6	49.5	26.5	42.8	38.1	13.1	11.4	11.1	21.9	17.5	17.0
50,000 to 99,999 lb	15.5	19.9	20.8	29.9	43.5	40.5	18.9	18.4	18.8	27.8	25.0	25.4
100,000 lb or more	S	S	S	33.3	43.1	34.7	37.7	S	49.4	39.2	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	23.9	14.1	15.5	6.0	8.2	8.5	10.8	12.1	12.4	10.0	12.0	12.2
Less than 50 lb	28.5	20.2	21.6	39.3	28.4	28.3	S	S	S	S	S	S
50 to 99 lb	43.7	24.6	26.3	S	41.0	41.6	49.2	S	S	S	S	S
100 to 499 lb	19.7	16.3	18.7	24.3	29.4	28.9	S	S	49.6	S	S	S
500 to 749 lb	20.5	21.1	22.2	S	S	S	S	S	S	46.9	S	S
750 to 999 lb	28.5	36.0	45.9	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	15.8	15.8	17.0	21.3	21.6	22.9	24.0	29.4	30.1	26.6	34.0	32.6
10,000 to 49,999 lb	34.1	14.7	14.9	8.5	6.3	6.6	12.9	9.2	9.7	12.9	9.7	10.2
50,000 to 99,999 lb	41.0	45.2	42.4	27.0	28.3	28.6	37.7	38.4	38.5	43.4	46.2	45.2
100,000 lb or more	18.9	23.1	24.3	16.6	19.4	18.5	15.3	17.9	17.7	19.1	20.8	20.6
SCTG 28, Paper or paperboard articles	31.9	17.4	14.1	10.9	11.6	11.9	14.8	17.9	18.8	19.3	19.5	19.1
Less than 50 lb	S	S	45.2	22.3	30.2	31.7	47.1	S	S	39.6	49.4	48.3
50 to 99 lb	25.5	32.1	35.3	S	S	S	S	S	S	S	S	S
100 to 499 lb	16.9	17.4	17.7	40.8	39.9	41.7	S	47.9	49.5	39.8	46.7	49.3
500 to 749 lb	31.6	35.2	33.9	37.7	32.5	31.6	S	37.0	36.9	S	48.8	48.3
750 to 999 lb	26.7	32.1	35.2	48.1	47.5	44.9	S	S	S	S	S	S
1,000 to 9,999 lb	47.7	20.6	19.7	17.4	19.5	19.1	19.0	13.7	14.1	43.3	33.6	33.5
10,000 to 49,999 lb	31.3	18.9	15.5	14.1	12.0	12.5	17.1	20.8	21.8	22.6	19.1	18.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	9.0	11.7	11.6	18.5	26.8	29.0	12.5	25.3	24.1	18.9	20.2	20.2
Less than 50 lb	25.6	46.9	39.9	38.1	48.7	S	21.7	22.6	21.3	28.5	37.8	38.2
50 to 99 lb	27.3	40.2	43.6	23.6	18.8	17.7	25.6	S	S	35.5	26.0	27.5
100 to 499 lb	17.3	14.7	14.7	25.8	22.2	25.5	27.1	43.1	40.5	29.9	18.2	18.3
500 to 749 lb	41.6	31.1	34.6	37.7	30.2	33.2	44.2	41.6	43.4	33.3	23.3	22.4
750 to 999 lb	36.8	35.0	30.9	34.5	27.6	26.8	S	34.9	35.2	43.8	26.1	26.8
1,000 to 9,999 lb	15.0	16.9	17.5	25.0	29.5	26.6	20.5	32.7	31.2	30.1	22.2	22.1
10,000 to 49,999 lb	35.8	23.5	23.4	28.3	42.4	44.8	25.6	35.2	34.7	26.5	30.0	30.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	46.8	S	S	44.0	S	S	16.2	17.9	19.6	12.2	24.0	23.9
Less than 50 lb	23.6	23.5	19.6	16.5	14.3	14.1	22.5	14.2	14.7	19.6	14.0	13.7
50 to 99 lb	18.5	17.0	16.1	31.3	22.9	26.7	22.0	24.3	24.5	22.6	23.9	24.7
100 to 499 lb	20.6	21.9	22.8	18.6	18.2	18.2	19.9	20.0	20.1	24.9	34.9	35.9
500 to 749 lb	S	45.2	39.7	30.3	37.9	36.9	S	S	49.3	43.0	33.1	34.5
750 to 999 lb	40.5	46.2	49.1	34.9	32.8	32.3	48.6	S	S	33.6	33.9	34.2
1,000 to 9,999 lb	S	S	S	46.8	40.0	35.0	33.5	21.9	21.9	22.6	31.2	31.2
10,000 to 49,999 lb	S	S	S	S	S	S	28.5	27.4	29.6	31.7	37.7	37.6
50,000 to 99,999 lb	S	S	S	S	S	S	49.8	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	9.0	15.0	12.9	10.9	13.2	12.6	15.3	12.6	12.0	13.8	14.0	14.3
Less than 50 lb	34.4	43.8	43.5	33.1	30.0	28.4	34.4	30.5	31.9	24.1	29.5	29.4
50 to 99 lb	40.6	S	S	36.3	S	S	31.5	49.5	S	36.8	37.9	38.5
100 to 499 lb	45.1	S	S	36.1	29.4	27.3	42.4	39.9	37.9	49.5	33.6	34.0
500 to 749 lb	S	S	S	36.2	38.4	38.3	43.8	42.6	41.3	S	47.2	S
750 to 999 lb	43.6	42.0	49.3	S	S	S	S	S	S	S	43.9	45.7
1,000 to 9,999 lb	20.1	30.2	28.3	27.6	32.8	31.3	24.1	43.5	43.7	36.7	30.8	30.5
10,000 to 49,999 lb	12.9	26.8	23.7	12.2	15.1	14.7	18.0	14.2	13.8	15.5	14.3	14.5
50,000 to 99,999 lb	12.6	14.6	16.9	25.8	21.4	22.7	39.4	36.3	33.6	40.6	41.3	41.1
100,000 lb or more	30.8	25.1	26.7	27.8	30.0	32.3	46.9	32.5	30.9	32.8	34.8	34.0
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	18.4	30.3	32.1	16.9	27.4	30.2	15.9	30.5	31.8	13.9	15.0	18.4
Less than 50 lb	20.7	32.5	37.6	28.7	18.8	17.2	20.0	18.9	18.7	23.9	21.3	20.8
50 to 99 lb	32.0	21.1	21.5	35.3	21.3	23.6	30.8	27.9	29.6	47.0	28.8	28.9
100 to 499 lb	26.9	29.1	32.6	30.0	27.9	26.1	S	42.9	43.4	S	37.0	37.6
500 to 749 lb	S	44.4	S	29.3	31.1	29.8	44.3	32.5	33.3	S	36.6	36.3
750 to 999 lb	47.5	33.1	38.3	23.1	25.2	28.3	46.7	S	S	27.5	30.2	29.4
1,000 to 9,999 lb	17.6	15.3	15.5	19.9	19.2	19.8	27.9	22.7	23.0	32.7	27.2	27.0
10,000 to 49,999 lb	16.3	17.0	17.2	12.2	16.3	16.8	7.8	9.9	10.0	14.8	12.0	11.9
50,000 to 99,999 lb	47.1	S	S	S	40.0	41.8	S	S	S	36.6	45.7	44.0
100,000 lb or more	S	S	S	42.7	47.2	46.7	S	S	S	25.8	26.6	30.6
SCTG 33, Articles of base metal	8.8	22.4	23.0	13.3	21.7	21.8	13.7	28.6	29.1	11.9	13.1	13.5
Less than 50 lb	12.0	12.0	12.7	26.6	14.8	16.6	19.5	22.9	22.0	20.9	23.5	23.2
50 to 99 lb	23.0	25.7	25.5	21.8	17.5	18.6	43.4	25.0	25.3	29.0	34.5	34.1
100 to 499 lb	18.4	27.2	28.4	23.7	25.0	24.4	30.4	18.6	19.7	27.3	22.2	22.3
500 to 749 lb	29.0	20.3	18.8	27.7	29.6	33.0	19.2	14.5	15.3	S	41.3	40.9
750 to 999 lb	32.7	19.0	19.9	30.8	29.3	25.4	18.4	16.7	17.9	26.3	29.9	30.0
1,000 to 9,999 lb	12.9	12.3	13.4	11.9	14.2	16.1	28.3	18.6	18.5	11.6	13.5	13.7
10,000 to 49,999 lb	13.7	34.7	35.7	12.4	23.5	22.0	14.8	34.3	33.6	14.5	16.0	16.7
50,000 to 99,999 lb	31.8	S	46.9	S	S	S	43.6	S	S	S	S	S
100,000 lb or more	33.0	49.1	47.7	34.7	S	S	31.5	S	S	S	S	S
SCTG 34, Machinery	25.3	29.9	23.9	10.7	9.2	9.7	12.8	15.8	15.2	21.5	17.0	16.8
Less than 50 lb	12.7	12.9	15.2	15.9	21.1	21.0	15.4	18.1	18.5	48.3	29.2	28.9
50 to 99 lb	15.8	19.9	23.4	18.5	21.8	22.2	22.3	21.4	26.8	21.7	27.6	27.7
100 to 499 lb	16.8	12.2	12.5	17.3	13.4	13.3	21.4	18.7	19.7	20.5	21.4	21.3
500 to 749 lb	15.3	15.5	15.9	26.9	23.2	21.9	25.3	20.4	19.2	17.4	17.3	17.6
750 to 999 lb	S	30.9	24.6	35.4	22.4	22.3	26.1	23.8	23.6	48.1	S	S
1,000 to 9,999 lb	24.1	31.1	31.5	23.8	18.2	19.7	18.3	19.2	18.3	42.8	18.8	19.5
10,000 to 49,999 lb	S	S	47.0	12.8	12.3	13.0	18.4	26.1	25.3	28.0	29.7	29.2
50,000 to 99,999 lb	48.4	S	S	48.9	47.6	48.9	43.2	45.5	42.8	S	35.5	37.1
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	31.4	33.7	34.7	19.5	25.3	21.9	14.5	19.7	18.3	16.5	24.7	25.7
Less than 50 lb	16.3	22.5	25.8	12.9	15.5	15.9	19.0	11.2	10.5	12.9	9.4	9.5
50 to 99 lb	28.9	43.5	43.6	24.9	42.5	39.7	26.3	35.9	34.7	18.1	22.5	22.6
100 to 499 lb	35.6	S	S	35.1	S	44.5	22.4	26.4	26.0	29.4	25.5	25.3
500 to 749 lb	S	S	S	47.8	S	S	46.6	39.7	37.0	39.0	25.3	25.2
750 to 999 lb	43.1	S	S	S	S	S	37.9	S	S	41.0	43.4	43.1
1,000 to 9,999 lb	49.0	42.6	43.6	38.8	27.4	25.8	32.2	39.9	36.8	30.5	26.0	24.9
10,000 to 49,999 lb	S	36.9	34.8	18.4	16.2	17.1	23.2	18.4	17.5	46.5	21.7	21.0
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	27.4	29.0	28.1	16.7	15.2	15.8	24.5	18.1	19.7	27.8	27.4	28.1
Less than 50 lb	18.6	22.1	22.3	31.7	27.0	25.1	22.6	25.3	24.5	17.7	18.0	17.8
50 to 99 lb	40.2	27.1	26.8	42.3	42.6	43.1	28.6	23.8	24.0	38.3	30.7	30.6
100 to 499 lb	29.4	17.0	18.7	33.4	23.6	23.5	20.5	18.9	19.5	29.2	26.1	25.0
500 to 749 lb	29.9	20.7	20.9	S	49.2	46.2	S	44.9	45.5	40.5	46.2	46.0
750 to 999 lb	31.5	31.4	29.4	S	S	S	S	S	S	S	48.4	49.6
1,000 to 9,999 lb	30.7	20.8	22.6	19.9	14.2	15.2	38.9	31.7	34.5	S	S	S
10,000 to 49,999 lb	S	S	S	20.6	25.9	26.1	40.7	12.6	12.7	33.5	23.9	24.2
50,000 to 99,999 lb	43.5	40.6	40.6	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	22.1	39.0	41.8	20.8	49.9	S	28.0	30.4	29.1	22.2	S	S
Less than 50 lb	39.5	S	S	29.8	29.6	29.6	33.3	39.8	38.7	39.0	S	48.6
50 to 99 lb	S	S	47.4	44.5	S	S	S	S	S	S	46.8	43.0
100 to 499 lb	S	28.0	26.8	42.8	47.0	47.2	S	34.9	37.0	S	48.5	46.8
500 to 749 lb	S	25.5	24.9	S	44.5	44.2	S	S	49.1	S	43.7	42.1
750 to 999 lb	S	S	S	47.8	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	41.3	S	S	29.2	43.0	41.2	30.5	35.5	35.5	41.1	39.4	40.5
10,000 to 49,999 lb	40.4	47.5	47.8	33.8	39.1	37.7	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	32.1	24.0	25.2	32.1	24.9	25.2	S	28.0	28.7	S	S	S
Less than 50 lb	49.3	25.4	26.2	48.1	21.1	18.6	S	S	S	S	S	S
50 to 99 lb	26.4	29.2	31.9	25.9	38.7	37.3	43.9	41.8	40.0	28.8	32.0	30.4
100 to 499 lb	26.4	34.0	31.8	34.8	40.6	39.5	37.1	23.2	22.9	42.6	27.7	28.9
500 to 749 lb	S	S	49.5	S	45.4	43.1	S	39.6	37.9	S	48.4	48.5
750 to 999 lb	S	47.6	S	45.0	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	26.8	43.0	46.7	39.0	S	S	S	34.3	32.4	S	35.9	35.3
10,000 to 49,999 lb	S	S	S	S	S	S	S	40.0	40.2	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	S	S	48.8	S	41.7	35.1	25.9	16.6	16.7	31.1	18.7	18.1
Less than 50 lb	S	35.3	36.5	S	43.1	41.1	S	S	S	47.4	S	S
50 to 99 lb	44.1	33.0	37.3	40.5	30.9	28.9	33.1	39.4	38.7	41.5	46.0	47.1
100 to 499 lb	21.5	14.6	15.0	37.3	25.7	25.9	27.4	25.7	25.8	S	24.4	25.0
500 to 749 lb	27.8	21.2	21.0	27.0	27.4	24.0	39.6	34.3	35.4	S	19.6	19.3
750 to 999 lb	22.8	21.6	23.0	24.4	25.4	20.6	28.9	27.0	27.1	28.5	27.1	27.0
1,000 to 9,999 lb	15.3	15.3	15.5	S	S	S	19.3	19.9	20.0	18.0	23.9	23.4
10,000 to 49,999 lb	S	S	S	S	30.1	29.1	S	34.8	35.4	32.1	41.2	39.3
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products	12.1	13.0	12.9	22.1	16.5	15.8	28.3	12.0	12.0	28.0	18.2	18.1
Less than 50 lb	17.1	15.9	15.4	S	19.3	19.1	S	34.9	35.1	S	23.8	23.2
50 to 99 lb	20.8	20.7	20.9	23.9	25.0	25.8	29.7	14.3	14.2	20.9	15.9	17.9
100 to 499 lb	16.4	17.5	17.4	16.3	18.1	18.8	14.6	13.0	12.8	19.7	16.9	16.6
500 to 749 lb	26.8	23.0	23.7	24.3	18.6	17.8	22.0	29.4	29.7	45.2	16.9	16.9
750 to 999 lb	30.4	29.1	31.6	38.2	S	49.1	40.8	34.4	32.6	23.6	26.9	27.9
1,000 to 9,999 lb	24.4	23.2	20.1	19.9	16.8	18.2	22.6	23.0	22.5	17.1	12.3	12.5
10,000 to 49,999 lb	22.1	15.9	15.4	20.1	23.3	21.9	19.3	15.3	15.3	30.9	26.1	25.9
50,000 to 99,999 lb	24.5	25.1	23.0	33.5	32.8	31.1	42.9	34.1	34.2	38.5	S	S
100,000 lb or more	41.6	S	S	S	49.5	47.2	S	S	S	41.6	37.4	38.1
SCTG 41, Waste and scrap ..	24.7	29.8	35.0	20.0	17.1	21.3	19.9	25.2	25.3	19.9	23.0	24.0
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	49.7	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	23.1	26.0	29.3	28.9	17.5	17.9	21.4	22.4	22.5	22.9	21.7	22.1
50,000 to 99,999 lb	41.7	42.3	46.7	47.2	S	S	—	—	—	S	S	S
100,000 lb or more	37.3	38.2	44.2	23.8	23.1	27.9	45.4	49.5	48.9	S	S	S
SCTG 43, Mixed freight	29.7	26.6	26.9	S	35.5	33.8	S	S	S	36.0	49.8	49.7
Less than 50 lb	36.6	20.0	20.0	S	37.1	38.1	S	S	S	S	48.2	46.8
50 to 99 lb	21.0	29.3	29.1	36.0	39.0	37.9	S	S	S	S	S	S
100 to 499 lb	19.4	20.7	20.4	28.1	27.4	26.7	S	46.3	46.3	49.3	38.4	38.4
500 to 749 lb	36.7	27.6	29.5	35.1	39.6	41.2	S	39.0	39.1	S	S	S
750 to 999 lb	27.0	29.0	30.3	48.1	48.0	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.1	20.8	21.7	25.8	27.1	29.8	38.4	42.1	42.8	S	S	S
10,000 to 49,999 lb	42.0	36.8	36.8	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	48.2	35.2	35.8	33.9	S	S	28.7	S	S	29.4	49.4	S
Less than 50 lb	49.4	43.8	48.4	47.7	32.1	33.5	47.0	34.1	35.7	S	37.5	38.1
50 to 99 lb	S	S	S	36.8	43.4	41.3	S	S	S	S	S	S
100 to 499 lb	45.9	34.9	34.0	S	45.9	46.8	S	47.4	45.7	S	32.8	32.0
500 to 749 lb	S	38.9	35.0	37.6	S	S	S	47.5	45.7	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	39.5	S	S	38.9	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	46.8	33.3	33.8	38.6	41.2	42.4	28.8	28.1	29.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	11.8	17.1	19.6	11.2	9.1	10.2	24.3	19.8	19.0
Less than 50 lb	21.6	10.9	10.6	15.9	9.9	9.9	31.2	14.9	16.9
50 to 99 lb	32.8	8.1	8.2	39.5	28.7	26.2	36.9	26.5	30.9
100 to 499 lb	34.5	15.2	15.0	48.4	25.1	22.7	S	18.8	24.4
500 to 749 lb	19.1	7.5	7.1	23.6	9.6	9.0	S	32.4	31.1
750 to 999 lb	23.8	17.2	18.8	43.4	34.2	34.7	S	S	S
1,000 to 9,999 lb	12.7	11.8	12.9	17.6	7.9	8.1	31.7	46.7	38.6
10,000 to 49,999 lb	15.7	15.4	16.0	6.2	10.0	9.4	32.6	32.0	29.3
50,000 to 99,999 lb	31.8	14.5	15.7	39.0	22.8	23.0	S	S	S
100,000 lb or more	20.0	21.2	24.7	12.6	17.2	18.7	34.1	25.4	23.7
SCTG 01, Live animals and live fish	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	49.2	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 03, Other agricultural products	21.7	29.5	29.8	43.4	S	S	S	S	S
Less than 50 lb	S	47.8	48.3	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	34.6	33.6	34.2	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	44.2	44.3	—	—	—	—	—	—
1,000 to 9,999 lb	31.9	35.5	36.0	34.2	32.5	32.3	—	—	—
10,000 to 49,999 lb	26.9	33.1	33.3	S	S	S	S	S	S
50,000 to 99,999 lb	S	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	19.4	26.8	26.6	42.8	40.4	41.3	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	42.4	34.6	35.0	43.7	44.1	44.8	—	—	—
10,000 to 49,999 lb	32.4	40.5	38.4	S	S	S	—	—	—
50,000 to 99,999 lb	41.7	S	S	S	S	S	—	—	—
100,000 lb or more	49.0	40.2	45.5	S	S	S	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	15.4	14.0	14.5	21.0	20.1	18.4	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	16.5	19.7	20.0	34.5	29.8	27.5	—	—	—
10,000 to 49,999 lb	17.0	15.1	15.7	21.8	23.8	22.5	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	14.6	16.7	16.7	29.3	28.1	29.4	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	29.1	32.9	32.5	S	S	S	—	—	—
10,000 to 49,999 lb	14.7	18.2	18.7	30.6	26.1	24.9	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	31.4	27.5	26.9	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	14.2	18.3	18.6	16.8	19.8	21.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	49.0	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	35.5	28.5	28.1	S	46.8	49.1	S	S	S
10,000 to 49,999 lb	16.5	19.7	20.3	17.1	19.9	19.2	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	30.3	S	S	47.9	S	S	—	—	—
SCTG 08, Alcoholic beverages	47.1	32.8	32.4	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	49.0	33.2	33.4	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	—	—	—	—	—	—
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	46.3	34.0	35.7	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	44.5	47.0	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	47.6	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	47.9	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	34.8	47.7	49.6	S	S	S	—	—	—
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	49.2	48.9	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 15, Coal	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	44.3	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	48.5	S	S	—	—	—	S	S	S
SCTG 18, Fuel oils	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	18.9	25.3	28.3	26.8	33.7	32.7	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	44.9	S	S	—	—	—
100 to 499 lb	S	S	S	44.3	S	S	S	S	S
500 to 749 lb	S	S	S	—	S	S	—	—	—
750 to 999 lb	43.1	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	48.6	S	S	—	—	—
10,000 to 49,999 lb	21.7	44.3	46.4	31.8	33.0	32.9	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	23.7	31.5	34.7	37.0	46.3	44.7	S	S	S
SCTG 20, Basic chemicals	S	46.3	44.3	21.3	14.2	14.7	S	S	S
Less than 50 lb	33.2	S	S	S	S	S	S	S	S
50 to 99 lb	49.5	S	S	46.8	S	S	S	S	S
100 to 499 lb	22.2	39.0	37.6	39.8	S	S	—	—	—
500 to 749 lb	46.2	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	39.9	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	21.8	21.5	21.7	36.6	36.7	36.2
50,000 to 99,999 lb	33.1	36.4	34.2	S	S	S	—	—	—
100,000 lb or more	42.9	40.4	38.3	34.0	17.2	17.2	S	S	S
SCTG 21, Pharmaceutical products	22.8	23.6	23.9	S	39.0	38.2	S	S	S
Less than 50 lb	33.1	30.6	31.7	34.6	25.5	25.3	S	46.2	49.1
50 to 99 lb	42.6	38.4	42.0	S	S	S	—	—	—
100 to 499 lb	47.4	44.0	42.9	S	S	S	S	S	S
500 to 749 lb	S	48.6	48.1	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	49.8	43.0	38.1	S	S	S	S	S	S
10,000 to 49,999 lb	29.4	26.5	26.8	37.5	42.6	41.6	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	29.5	29.0	28.0	37.9	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	29.8	28.1	28.0	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	13.2	17.7	18.6	35.7	S	50.0	46.7	47.3	45.6
Less than 50 lb	24.5	25.6	25.4	27.9	31.3	30.6	S	S	S
50 to 99 lb	32.9	24.8	24.6	47.0	48.0	48.4	—	—	—
100 to 499 lb	24.7	22.9	22.6	41.0	45.6	44.0	S	S	S
500 to 749 lb	30.2	25.5	25.7	42.7	36.5	39.6	S	S	S
750 to 999 lb	28.9	25.9	27.9	44.9	49.8	49.3	S	S	S
1,000 to 9,999 lb	29.3	26.2	26.3	23.8	36.2	37.0	S	S	S
10,000 to 49,999 lb	15.3	23.1	24.9	38.6	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	25.2	21.4	21.7	S	S	S	S	S	S
SCTG 24, Plastics and rubber	7.0	9.4	9.6	9.7	12.3	12.8	S	S	S
Less than 50 lb	29.2	17.8	18.3	30.9	19.0	19.4	S	S	S
50 to 99 lb	S	16.7	17.8	26.4	21.4	21.1	S	S	S
100 to 499 lb	27.9	25.5	22.7	20.9	19.2	19.4	S	S	S
500 to 749 lb	25.6	20.2	21.1	36.3	31.3	31.3	S	S	S
750 to 999 lb	19.1	20.9	21.3	32.9	37.5	42.2	—	—	—
1,000 to 9,999 lb	14.6	16.7	16.4	19.3	18.6	18.6	S	S	S
10,000 to 49,999 lb	9.6	14.9	15.5	15.2	16.1	14.9	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	10.2	11.1	11.2	15.3	15.5	15.8	S	S	S
SCTG 25, Logs and other wood in the rough	43.0	45.8	46.6	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 26, Wood products	13.9	29.0	29.5	14.0	12.9	12.7	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	42.8	46.8	S	44.4	44.4	—	—	—
100 to 499 lb	S	25.0	24.9	S	S	S	S	S	S
500 to 749 lb	44.6	47.7	48.6	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	38.6	39.0	38.6	30.2	28.9	29.5	S	S	S
10,000 to 49,999 lb	20.9	17.6	17.2	31.5	28.0	27.9	S	S	S
50,000 to 99,999 lb	26.0	35.8	34.0	45.5	33.4	33.4	—	—	—
100,000 lb or more	22.7	37.5	37.3	16.5	14.9	15.0	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	10.5	10.2	10.8	18.6	17.9	18.2	S	S	S
Less than 50 lb	46.1	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	40.8	43.6	44.8	S	S	S
10,000 to 49,999 lb	13.5	13.7	12.9	15.5	18.0	18.1	S	S	S
50,000 to 99,999 lb	42.0	41.5	40.8	S	S	S	—	—	—
100,000 lb or more	15.4	16.9	17.9	29.7	24.5	24.2	—	—	—
SCTG 28, Paper or paperboard articles	17.1	15.8	16.0	24.5	26.9	27.2	S	S	S
Less than 50 lb	33.1	36.4	36.7	S	S	48.9	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	47.0	49.7	49.5	S	S	S	S	S	S
500 to 749 lb	S	42.2	41.0	S	S	S	—	—	—
750 to 999 lb	S	42.4	42.0	S	S	S	—	—	—
1,000 to 9,999 lb	20.6	20.2	19.3	34.6	32.9	33.6	S	S	S
10,000 to 49,999 lb	20.1	16.4	16.6	29.2	27.7	27.9	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	25.4	23.9	24.6	20.9	42.6	43.1	47.1	43.5	39.1
Less than 50 lb	24.8	23.5	22.8	31.7	38.1	39.0	S	S	S
50 to 99 lb	20.7	18.6	19.5	40.0	S	S	S	S	S
100 to 499 lb	27.8	21.6	21.7	S	43.4	42.9	S	S	S
500 to 749 lb	30.7	25.2	24.8	S	S	S	—	—	—
750 to 999 lb	43.9	24.5	24.5	S	43.4	43.3	—	—	—
1,000 to 9,999 lb	48.0	26.5	25.4	S	42.2	40.6	S	S	S
10,000 to 49,999 lb	S	40.5	41.8	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	15.0	15.7	16.1	26.9	23.5	25.1	29.8	S	S
Less than 50 lb	33.1	18.5	18.8	15.9	20.9	21.4	45.7	39.7	49.0
50 to 99 lb	29.6	25.9	26.0	30.1	34.5	33.9	47.4	S	S
100 to 499 lb	39.0	25.2	25.5	28.2	33.3	35.6	S	S	S
500 to 749 lb	39.0	37.6	36.7	48.9	30.5	30.6	S	S	S
750 to 999 lb	32.1	31.2	32.2	41.8	42.4	42.4	—	—	—
1,000 to 9,999 lb	22.0	25.8	26.1	43.5	33.7	32.5	S	S	S
10,000 to 49,999 lb	17.8	19.6	19.9	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	11.4	14.0	13.5	12.4	28.2	29.4	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	37.9	41.4	40.6	S	S	S	S	S	S
100 to 499 lb	28.0	27.6	27.3	44.9	37.1	36.8	—	—	—
500 to 749 lb	42.5	32.4	30.6	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	28.7	31.0	28.4	34.3	30.6	30.8	S	S	S
10,000 to 49,999 lb	14.2	16.2	16.0	20.3	34.7	36.6	—	—	—
50,000 to 99,999 lb	33.2	36.5	34.8	—	—	—	—	—	—
100,000 lb or more	32.5	31.2	29.0	36.0	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	12.1	14.7	14.7	20.9	28.8	29.4	44.0	42.6	42.2
Less than 50 lb	29.9	17.6	17.6	S	24.7	25.3	S	S	S
50 to 99 lb	35.8	38.7	39.3	S	S	S	S	S	S
100 to 499 lb	29.6	33.3	33.8	S	S	S	S	S	S
500 to 749 lb	S	36.6	37.9	S	S	S	S	S	S
750 to 999 lb	34.9	33.3	33.5	S	S	S	S	S	S
1,000 to 9,999 lb	25.4	29.0	28.1	29.9	28.4	28.8	S	S	S
10,000 to 49,999 lb	13.4	15.1	14.9	35.2	32.0	32.0	S	S	S
50,000 to 99,999 lb	49.0	S	S	S	S	S	—	—	—
100,000 lb or more	21.0	19.1	19.4	32.3	36.1	36.4	48.5	44.4	44.0
SCTG 33, Articles of base metal	9.5	17.9	18.4	31.9	28.4	28.0	31.2	28.8	34.7
Less than 50 lb	16.1	18.2	17.2	23.6	25.2	25.8	33.5	39.7	38.3
50 to 99 lb	26.7	28.9	28.5	40.8	38.3	38.5	S	S	S
100 to 499 lb	16.8	18.5	18.4	36.6	44.0	44.5	S	S	S
500 to 749 lb	36.9	23.3	24.2	S	35.5	34.8	S	S	S
750 to 999 lb	20.9	18.6	17.9	S	S	S	S	S	S
1,000 to 9,999 lb	20.2	13.3	12.9	48.2	30.6	33.9	S	49.4	S
10,000 to 49,999 lb	17.2	26.7	28.1	27.8	36.3	34.6	—	—	—
50,000 to 99,999 lb	38.7	39.8	39.0	S	S	S	—	—	—
100,000 lb or more	43.0	39.7	40.1	S	S	S	—	—	—
SCTG 34, Machinery	12.9	15.9	15.6	18.1	25.2	25.1	47.8	S	S
Less than 50 lb	18.3	18.1	17.9	18.2	22.1	22.1	39.8	22.3	25.4
50 to 99 lb	29.8	18.6	19.2	30.6	33.5	33.2	S	S	S
100 to 499 lb	14.8	12.3	11.8	39.5	45.8	47.5	49.1	39.4	35.8
500 to 749 lb	30.7	38.2	35.1	29.3	32.9	33.2	—	—	—
750 to 999 lb	28.5	38.1	37.0	45.3	S	S	—	—	—
1,000 to 9,999 lb	24.4	15.1	15.9	17.6	23.7	25.4	S	S	S
10,000 to 49,999 lb	15.7	20.6	20.2	37.0	39.4	39.5	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	24.1	17.4	18.1	35.1	22.6	21.7	S	S	S
Less than 50 lb	30.3	18.4	17.9	11.5	10.2	10.2	S	32.1	33.0
50 to 99 lb	S	26.9	27.0	S	S	S	S	S	S
100 to 499 lb	49.6	S	S	S	S	S	S	39.4	43.7
500 to 749 lb	36.2	19.7	18.8	S	S	48.6	S	S	S
750 to 999 lb	39.8	S	S	41.6	S	S	S	S	S
1,000 to 9,999 lb	30.3	19.5	19.8	38.9	25.0	24.3	S	S	S
10,000 to 49,999 lb	26.1	19.8	20.3	26.6	26.9	26.9	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	19.8	18.6	20.6	26.3	25.7	27.5	S	S	S
Less than 50 lb	28.5	21.8	21.5	S	S	49.1	35.3	48.0	44.1
50 to 99 lb	25.1	33.3	30.0	39.4	32.2	32.5	—	—	—
100 to 499 lb	22.3	32.8	33.0	36.4	36.5	36.9	S	S	S
500 to 749 lb	S	30.3	32.1	S	S	S	—	—	—
750 to 999 lb	S	40.5	41.1	S	S	S	S	S	S
1,000 to 9,999 lb	38.2	35.9	39.8	S	S	S	S	S	S
10,000 to 49,999 lb	19.5	16.5	16.1	37.0	31.1	32.2	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	24.8	27.2	27.5	32.2	31.3	30.7	S	S	S
Less than 50 lb	29.2	S	S	43.8	43.0	43.3	S	S	S
50 to 99 lb	33.9	32.3	32.9	S	47.1	47.5	—	—	—
100 to 499 lb	23.8	29.9	29.5	S	35.5	35.3	S	S	S
500 to 749 lb	47.7	34.4	33.8	S	48.1	47.5	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	37.2	35.9	34.1	48.4	S	S	—	—	—
10,000 to 49,999 lb	33.3	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	S	47.0	45.6	S	31.7	30.7	47.2	S	S
Less than 50 lb	S	S	S	S	48.3	47.4	S	44.7	S
50 to 99 lb	26.0	19.6	18.6	S	44.8	44.8	S	S	S
100 to 499 lb	24.7	15.3	16.3	24.1	43.9	42.5	S	S	S
500 to 749 lb	47.6	31.0	30.9	S	—	—	—	—	—
750 to 999 lb	S	40.4	41.7	—	—	—	—	—	—
1,000 to 9,999 lb	39.4	27.7	28.0	S	45.5	49.3	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	26.3	19.4	18.6	23.7	19.7	19.2	S	S	S
Less than 50 lb	46.7	S	S	44.6	45.4	44.5	S	S	S
50 to 99 lb	S	28.7	27.8	28.7	24.5	24.2	—	—	—
100 to 499 lb	46.3	30.5	29.6	34.8	32.1	30.9	S	S	S
500 to 749 lb	28.9	22.8	22.0	S	S	S	S	S	S
750 to 999 lb	31.6	39.8	38.0	S	S	S	—	—	—
1,000 to 9,999 lb	16.9	19.1	21.5	37.8	28.8	28.2	S	S	S
10,000 to 49,999 lb	25.0	35.8	34.9	32.0	40.2	39.3	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	24.3	18.0	19.6	25.3	16.9	16.6	34.1	22.7	23.4
Less than 50 lb	S	29.3	29.8	S	28.7	28.9	S	32.2	34.9
50 to 99 lb	26.7	16.2	16.1	26.9	17.8	18.6	39.8	48.2	43.9
100 to 499 lb	34.7	15.8	16.3	48.1	20.5	20.7	36.7	46.2	S
500 to 749 lb	19.4	16.6	16.8	35.2	34.3	34.2	S	S	S
750 to 999 lb	23.2	15.1	14.6	34.9	38.3	40.0	S	S	S
1,000 to 9,999 lb	24.9	24.6	25.0	28.9	22.0	22.0	S	S	S
10,000 to 49,999 lb	15.1	16.9	16.2	29.7	21.1	20.9	49.3	48.8	49.1
50,000 to 99,999 lb	44.4	42.1	44.4	S	S	S	S	S	S
100,000 lb or more	41.7	48.3	48.6	S	S	S	—	—	—
SCTG 41, Waste and scrap .	32.2	30.2	31.7	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	29.8	33.3	36.6	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 43, Mixed freight	48.5	S	49.6	S	S	S	S	S	S
Less than 50 lb	43.1	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	47.4	45.2	44.2	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	21.3	38.7	39.3	41.7	S	S	S	S	S
Less than 50 lb	47.1	47.8	47.3	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	38.8	36.8	37.9	S	43.5	42.6	S	S	S
500 to 749 lb	S	41.3	43.6	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	27.8	29.9	29.4	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

SAMPLE DESIGN

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

First Stage

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidiroglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty make up the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode-NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

Second Stage

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26,

1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

Third Stage

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

DATA COLLECTION

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which

the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed "unusable." (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these "unusable" shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of "usable" shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment's reporting week are both equal to one.

The quarter weight inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of

quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment's value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment's probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

Appendix D.

Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by agencies of the United States and Canadian governments based on the Harmonized System (HS) of product classification which is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In the past, Commodity Flow Survey (CFS) data have been collected and reported using product classifications found in the Standard Transportation Commodity Classification (STCC) system. These classifications were developed in the early 1960s by the American Association of Railroads (AAR) to analyze commodity movements by rail. The original purpose of the STCC was for identification of commodities for purposes of assigning rates for Interstate Commerce Commission (ICC) regulated rail carriers. The STCC continues to be used by the AAR as a tariff mechanism.

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although

it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

In 1997 the CFS provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, we instructed respondents to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment.

Additional information on the SCTG system can be found on the Internet through the BTS web page at <http://www.bts.gov>. Comments or questions on the SCTG should be directed to [http://cfs@bts.gov](mailto:cfs@bts.gov).

Appendix E.

Sample Report Forms and Instructions

The sample report forms and instructions are shown on the following pages.

Note: The CFS-2000 was sent to a subsample of establishments to obtain additional information about the use of transportation equipment and facilities.

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see *Instruction Guide* for a definition of "shipment."**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

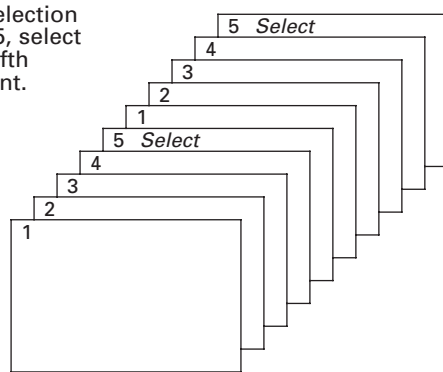
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

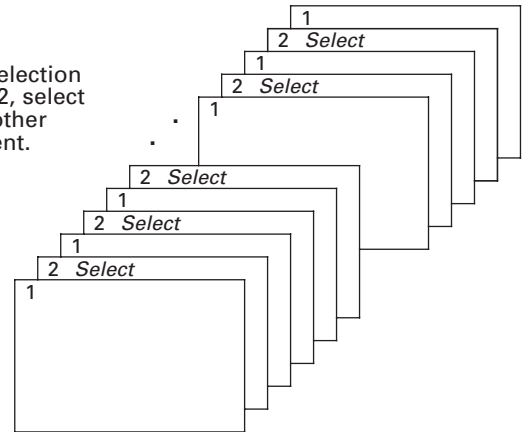
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel

6 — Deep draft vessel

7 — Pipeline

8 — Air

9 — Other mode

0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G
1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

2. Are the records for outbound shipments from this location maintained in a number of separate files (e.g., separate files for each commodity, or for each shipping site) at this location?

☐ Yes

☐ No

If yes to item G1 or item G2:
3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

Enter the total value of shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item I

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item J CERTIFICATION

Name of person to contact regarding this report — *Please print*

Telephone number — *Include area code*

Date

Signature

Title

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date —→

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see Instruction Guide for a definition of "shipment."

DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.**YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

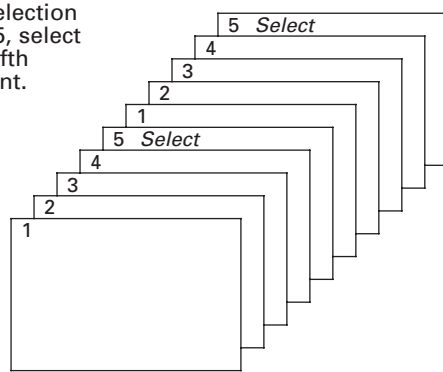
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

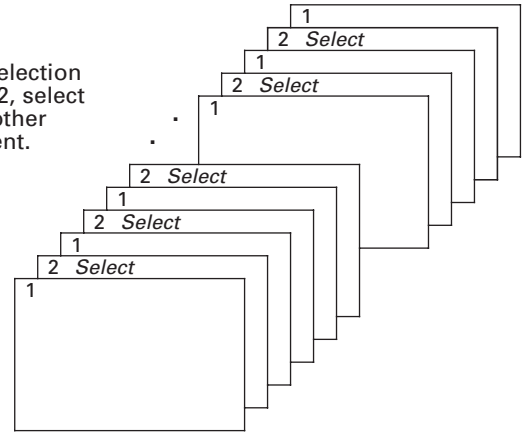
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
N	Los Angeles	CA	9 0 0 4 0	2, 4, 3	N				0
N	New York	NY	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G Enter the total dollar value of **all** shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item H In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item I AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not this type of facility existed **on-site** during 1997. For each "Yes" in column (b), check "Yes" or "No" in column (c) to indicate whether or not you used the facility on your premises for **outbound shipments** during 1997.

Type of shipping facility (a)	Was a shipping facility of this type on your premises during 1997? (b)	Did you use this facility on your premises for outbound shipments during 1997? (c)
1. Rail siding	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
2. Dock on the Great Lakes	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
3. Dock on inland water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
4. Dock on deep sea water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
6. Pipeline terminal	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item J
USE OF OFF-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not you used an **off-site** facility of that type for **outbound shipments** during 1997. For each "Yes", enter the miles to that off-site facility in column (c), and the mode of transport used to reach that facility in column (d). The modes are listed below.

Type of shipping facility (a)	Did you use this type of off-site facility for outbound shipments during 1997? (b)	Distance to the off-site facility of this type that you used most in 1997 (Report in miles – estimates are acceptable) (c)	Mode of transport used to reach that facility (Enter a code from the list below) (d)
1. Rail siding	1 ☐ Yes —————> 2 ☐ No		
2. Dock on the Great Lakes	1 ☐ Yes —————> 2 ☐ No		
3. Dock on inland water	1 ☐ Yes —————> 2 ☐ No		
4. Dock on deep sea water	1 ☐ Yes —————> 2 ☐ No		
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —————> 2 ☐ No		
6. Pipeline terminal	1 ☐ Yes —————> 2 ☐ No		

1 – Trailer on Flat Car (TOFC)
2 – Private Truck

3 – For-Hire Truck
4 – Rail

5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

During 1997, did this location use any of the following types of equipment for outbound shipments? Please check "Yes" or "No." For rail cars reported in number 1 below, enter the approximate percentage of your total outbound rail shipments that used that type of rail car. These percentages should add to 100%. If you had no rail shipments, leave the percentages blank.

Equipment (a)	Was this type of equipment used for outbound shipments during 1993? (b)	Percentage of total rail shipments (c)
1. Rail cars that:	1 ☐ Yes → 2 ☐ No	
a. Your company owned/leased		
b. A common carrier owned/leased	1 ☐ Yes → 2 ☐ No	
c. Another party owned/leased (e.g. receiver)	1 ☐ Yes → 2 ☐ No	
2. Trucks with 6 or more tires or truck-tractors that:	1 ☐ Yes 2 ☐ No	
a. Your company owned		
b. Your company leased, with driver	1 ☐ Yes 2 ☐ No	
c. Your company leased, without driver	1 ☐ Yes 2 ☐ No	
3. Truck trailers that your company owned or leased	1 ☐ Yes 2 ☐ No	
4. Aircraft that your company owned or leased	1 ☐ Yes 2 ☐ No	
5. Barges that your company owned or leased	1 ☐ Yes 2 ☐ No	
6. Other equipment that your company owned or leased – <i>Specify</i> ↴	1 ☐ Yes 2 ☐ No	

Item L TRANSPORTATION DECISIONS

During 1997, who generally decided on the mode of transportation for your outbound shipments? *Check the appropriate box.*

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

Item M CERTIFICATIONName of person to contact regarding this report – *Please print*Telephone number – *Include area code*

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

You may use estimates if book figures are not readily available.

If you have questions about completing the survey, a Census Bureau representative will be glad to assist you. You can call us at 1-800-772-7851.

Some instructions are included on the questionnaire itself. However, due to space limitations, most of the instructions and definitions are included in separate reference materials. These include this instruction guide, and a listing of commodity codes to be used for classifying individual shipments in this survey.

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

The CFS produces valuable measures of the demands on the nation's transportation system.

The results of the CFS are used by transportation policy makers to analyze future transportation needs.

Who reports in the CFS?

The CFS covers a sample of establishments in the mining, manufacturing, wholesale, and selected retail industries.

Why is my participation important?

Your establishment was selected as part of a sample designed to represent a wide range of industries and geographic regions.

Your report helps ensure quality results.

Is this survey mandatory?

Yes. The CFS is mandatory under the authority of Title 13, United States Code (USC).

Will my data be kept confidential?

Yes. The same law that requires your participation, Title 13, USC, also guarantees your data will be kept strictly confidential.

The reports you provide the Census Bureau cannot be used for purposes of taxation, regulation, or investigation.

Your report is used only to develop summary data that do not reveal the activities of individual firms or establishments.

How often must I report?

You will be sent four questionnaires in all: one during each quarter of 1997.

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

Please enter the information requested on your establishment's name, operational status, and physical location.

Item D

Enter in the space provided your total number of outbound shipments **for the one week reporting period** on the front of the questionnaire.

Please include in this count any materials picked up by the customer ("customer pick-up").

What we mean by a "shipment":

For the purposes of this survey, a shipment is a single movement of goods, commodities, products, etc. from your location to a customer or to another location of your company.

"Commodities" refer to items that your location produces, sells, or distributes, *not* to items that are considered by-products of your location's operation.

What we don't mean by a "shipment":

Do *not* include as shipments items such as inter-office memos, payroll checks, business correspondence, etc.

Do *not* include as shipments items such as refuse, scrap paper, waste, and recyclable materials **unless** your location is in the business of selling or providing these materials to others.

A special note about "shipments":

A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location.

If a truck makes multiple deliveries on a route, **please count each stop as one shipment.**

Item E: Sampling Instructions

If you reported 40 or fewer shipments in Item D, complete Item F (Shipment Characteristics) for all of your shipments covered by the one-week reporting period.

If you reported more than 40 shipments in Item D, follow the instructions in Item E in order to select a sample of shipments on which to report in Item F.

By asking you to select a sample of your shipments for the one-week reporting period, we avoid asking you for information on all your shipments, while still obtaining statistically accurate information.

Reminder: The files you are sampling from should reflect the full range of your location's shipping activities in terms of modes of transportation used, commodities shipped, and destinations.

We're here to answer your questions! If you have questions about the sampling process (or any part of the questionnaire) please call us at 1-800-772-7851.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

- **Shipment ID Number (column b)** – Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date (column c)** – Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value (column d)** – Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, f.o.b. plant). If the value is not readily available from your records, please estimate.
- **Shipment Weight (column e)** – Enter the weight of the total shipment in whole pounds. If weight is not readily available from your records, please estimate.
- **Commodity Code (column f)** – Please use the list of Standard Classification of Transported Goods (SCTG) Codes in the enclosed SCTG Manual to select the proper code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight.
- **Commodity Description (column g)** – Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.

Item F SHIPMENT CHARACTERISTICS							
Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
		Month	Day				
0	123-5	4	26	4,235	140	3 6 1 2 0	Electrical transformers
00	123-6	4	26	125,300	626,500	1 7 1 0 0	Gasoline
1							
2							
3							
4							

Mode of transport codes for columns (k) and (n) ▶

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **For Hazardous Materials (column h)** – If shipment is a hazardous material, enter the 4-digit United Nations or North American number.
- **Containerized (column i)** – Indicate whether or not the shipment was containerized by entering "Y" or "N" (yes or no). Containerized means that the shipment **left your establishment** in an intermodal container or stackable tank without permanently attached wheels. These containers typically vary from 20 to 53 feet in length, and are carried on truck chassis, trains, and ships.
- **U.S. Destination: City, State, and ZIP Code (column j)** – For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver as it appears on the shipping document. Use the **"ship to"** address. Use the two letter state abbreviation shown in Part IV.

For **export shipments**, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, it is the border crossing.
- **Mode(s) of Transport (column k)** – Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in column j). Codes are located on the bottom of pages 2, 3, 4, and 5 of the questionnaire. Enter in the sequence used, all that apply. See Part III for definitions of each mode.

For Customer Pick-up: Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

If a hazardous material, enter the "UN" or "NA" number (h)	Containerized? (Y/N) (i)	U.S. destination (j)			Mode(s) of transport to U.S. destination Enter all that apply using codes shown below. (k)
		City	State	ZIP Code	
	N	Los Angeles	CA	90040	2, 4, 3
	N	New York	NY	10454	5

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **Export Shipment (column l)** – Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" or "N" (yes or no). For purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions are considered exports.
- **Foreign Destination: City and Country (column m)** – If the shipment is an export, enter the foreign city and country of destination. **For U.S. Destination (column j),** enter the U.S. port, airport, or border crossing of exit. **In column (k),** enter the mode of transport used to the U.S. destination.
- **Export Mode (column n)** – If the shipment is an export, enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 2, 3, 4, and 5 of the questionnaire.

Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	Country		
N				0
Y	London	England	6	00
				1
				2
				3
				4
				5

Items G – I

Please enter the information requested.

Item J: Certification

Please enter the name and telephone number of the person to contact in the event that we have a question about your report.

PART III – MODE DEFINITIONS

Parcel delivery/Courier/U.S. Postal Service – Delivery services that carry letters, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.

Private truck – Trucks operated by a temporary or permanent employee of this establishment or the buyer/receiver of the shipment.

For-hire truck – Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.

Railroad – Any common carrier or private railroad.

Shallow draft vessel – Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.

Deep draft vessel – Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.

Air – Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.

Other mode – Any mode not listed above.

Unknown – The shipment was not carried by a parcel delivery/courier/U.S. Postal service, and you cannot determine what mode of transportation is used.

Note: Commodities that are "shipped" under their own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Commodities shipped under their own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other" mode.**

PART IV -- STATE ABBREVIATION LIST

State	Abbrev.	State	Abbrev.
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

NOTICE - We estimate that it will take an average of 2 hours to complete this form. This includes time to read instructions, assemble and review information, and record answers on the form. If you have any comments regarding this estimate or any other aspect of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0189, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-0001. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

Mountain Division

1997

Issued April 2000

EC97TCF-DIV(8)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

This report was prepared in the Service Sector Statistics Division under the direction of **Thomas E. Zabelsky**, Assistant Chief for Current Service and Transportation Programs. Planning, implementation, and compiling of this report were under the supervision of **John L. Fowler**, Chief, Commodity Flow Survey Branch, assisted by **Wanda Dougherty, Debra Corbett, Bruce Dembroski, Shirley Gray, Michael Jones, Stephanie Kelley, Mabel Ocasio, Bonnie Opalko, Joyce Price, Barbara Selinske, Eli Serrano,** and **Michael Sprung**. Sample design and statistical methodology were developed under the general direction of **Howard Hogan** and **Carl A. Konschnik**, former Assistant Chiefs, and **Ruth E. Detlefsen**, current Assistant Chief, Research and Methodology. Sample design and estimation were under the supervision of **Patrick Cantwell**, former Chief, and **Jock Black**, current Chief, Program Research and Development Branch, assisted by **William C. Davie Jr., David L. Kinyon, Jacklyn R. Jonas,** and **M. Cristina Cruz**. Frame construction, sample control, imputation, and quality control procedures were developed under the supervision of **Carol King**, Chief, Statistical Methods Branch, assisted by **James Hunt**.

The processing system and computer programs were developed and implemented by the OAO programming group, led by **Jacques Wilmore** and assisted by **Harold N. Bobbitt** and **Robert J. Jeffrey**. **Steve G. McCraith**, Chief, Quinquennial Surveys Branch, Economic Statistical Methods and Programming Division and **Joseph F. Keehan** provided general support.

Coordination of data collection efforts was under the direction of **Judith N. Petty**, Chief, National Processing Center, assisted by **Matthew Aulbach, Linda Broadus, Grant Goodwin, Carlene Bottorff, Teresa Branstetter,** and **Jack Miller**.

The staff of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, performed planning, design, composition, editorial review, and printing planning and procurement for the publications, Internet products, and report forms. **Margaret A. Smith** provided publication coordination and editing.

We also acknowledge the contributions of the following Department of Transportation (DOT) representatives in the overall planning and design of the survey: **Rolf Schmitt**, Associate Director for Transportation Studies, Bureau of Transportation Statistics, assisted by **Susan Lapham, Russ Capelle, Ronald J. Duych,** and **Felix Ammah-Tagoe**.

The Oak Ridge National Laboratory's Center for Transportation Analysis, under the former and current direction of **Mike Bronzini** and **David Greene**, respectively, provided all mileage data for this report, using its transportation network modeling system, under the supervision of **Frank Southworth** and assisted by **Shih-Miao Chin, Bruce Peterson, Jane Rollow,** and **Angela Gibson**.

Special acknowledgment is also due to the many businesses whose cooperation was essential to the publication of these data.

1997 Economic Census *Transportation* 1997 Commodity Flow Survey



**U.S. Department of
Transportation**
Rodney E. Slater,
Secretary
Mortimer L. Downey,
Deputy Secretary

**BUREAU OF TRANSPORTATION
STATISTICS**
Dr. Ashish Sen,
Director
Rick Kowalewski,
Deputy Director
Rolf R. Schmitt,
Associate Director for
Transportation Studies



U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

**Economics
and Statistics
Administration**
Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



**BUREAU OF TRANSPORTATION
STATISTICS**

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

CONTENTS

Introduction to the Economic Census	1
1997 Commodity Flow Survey	3

TABLES

1a. Shipment Characteristics by Mode of Transportation for the Division: 1997	9
1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993	9
1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993	10
2. Shipment Characteristics by Total Modal Activity for the Division: 1997	10
3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997	11
4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997	14
5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997	17
6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997	18
7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997	21
8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997	36
9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997	42
10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997 ...	48

APPENDIXES

A. Comparability With the 1993 Commodity Flow Survey	A-1
B. Reliability of the Estimates	B-1
C. Sample Design, Data Collection, and Estimation	C-1
D. Standard Classification of Transported Goods Code Information	D-1
E. Sample Report Forms and Instructions	E-1

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are

published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

1997 Commodity Flow Survey

GENERAL

The 1997 Commodity Flow Survey (CFS) is undertaken through a partnership between the Bureau of the Census, U.S. Department of Commerce, and the Bureau of Transportation Statistics, U.S. Department of Transportation. This survey produces data on the movement of goods in the United States. It provides information on commodities shipped, their value, weight, and mode of transportation, as well as the origin and destination of shipments of manufacturing, mining, wholesale, and selected retail establishments. The CFS was last conducted in 1993. See the Comparability With the 1993 Commodity Flow Survey table (Appendix A) for a comparison between the 1997 and 1993 surveys. The data from the CFS are used by public policy analysts and for transportation planning and decision-making to assess the demand for transportation facilities and services, energy use, and safety risk and environmental concerns.

This report presents data for the four Census Regions and nine Census Divisions. Additional reports include data for the United States, states, and selected metropolitan areas, as well as selected data on exports and hazardous material shipments.

INDUSTRY COVERAGE

The 1997 CFS covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey coverage excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail.

The industries covered, as defined in the 1987 Standard Industrial Classification Manual (SIC), are listed in the following table:

SIC code	Title
10, ex. 108	Metal mining (excluding metal mining services)
12, ex. 124	Coal mining (excluding coal mining services)
13	Oil and gas extraction ¹
14, ex. 148	Mining and quarrying of nonmetallic minerals, except fuels (excluding nonmetallic minerals services)
20	Food and kindred products
21	Tobacco products
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27, ex. 279	Printing, publishing, and allied industries (excluding service industries for the printing trade)
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastics products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, except machinery and transportation equipment
35	Industrial and commercial machinery and computer equipment
36	Electronic and other electrical equipment and components, except computer equipment
37	Transportation equipment
38	Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39	Miscellaneous manufacturing industries
50	Wholesale trade—durable goods
51	Wholesale trade—nondurable goods
596	Catalog and mail-order houses

¹We included establishments classified in SIC 13, Oil and Gas Extraction, in the initial coverage of the 1997 CFS. However, because of unresolved industry-wide reporting issues, we have removed shipments from these establishments from our 1997 CFS tabulations. The data collected from these establishments will be used as input to a special report at a later date.

Similarly, because establishments in SIC 13 are responsible for the overwhelming number of shipments classified in SCTG 16, Crude Petroleum, we have removed all shipments with SCTG 16 from the 1997 CFS publication results.

SHIPMENT COVERAGE

The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. The data do not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Shipments traversing the U.S. from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to a U.S. location. Imported products are included in the CFS at the point that they left the importer's domestic location for shipment to another location. Shipments that are shipped through a foreign territory with both the origin and destination in the U.S. are included in the CFS data. The mileages calculated for these shipments exclude the international segments (e.g., shipments from New York to Michigan through Canada do not include any mileages for Canada). Export shipments are included, with the domestic destination defined as the port of exit from the U.S.

The "Industry Coverage" section of the text lists the SIC groups covered by the CFS. Other industry areas that are not covered, but may have significant shipping activity, include agriculture, government, and retail (other than warehouses and SIC 5961, Catalog and Mail-Order Houses). For agriculture specifically, this means that the CFS did not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward.

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported

multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

The ORNL multimodal network database is composed of individual modal-specific networks representing each of the major transportation modes—highway, rail, waterway, air, and pipeline. The links of these specific modal networks are the representation of line-haul transportation facilities. The nodes represent intersections and interchanges, and the access points to the transportation network. To simulate local access, test links are created from each five-digit ZIP Code centroid to nearby nodes on the network. For the truck network, local access is assumed to exist everywhere. For the other modes this is not true. Before any test links are created for these modes, a search procedure is used to determine if and where such networks are most likely to provide access to the ZIP Code. For shipments involving more than one mode, such as truck-rail or rail-water shipments, intermodal transfer links are added to the network database for the purpose of connecting the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at ORNL to identify likely transfer points for different classes of freight. A measure of link impedance was calculated for each access, line-haul, and intermodal transfer link traversed by a shipment. These impedances were mode specific and are based on various link characteristics. For example, the set of link characteristics for the highway network included speed impacting factors, such as the presence of divided or undivided roadway, the degree of access control, rural or urban setting, type of pavement, number of lanes, degree of urban congestion, and length of the link. Link impedance measures are also assigned to the local access links. Intermodal transfer link impedances are estimated in terms of the time it takes to move goods through such a transfer. In the case of rail and air freight, intercarrier transfer penalties are also considered in order to obtain proper route selections. A minimum path algorithm is used to find the minimum impedance path between a shipment's origin ZIP Code centroid and destination ZIP Code centroid. The cumulative length of the local access plus line-haul links on this path provides the estimated shipment distance. When rail was involved these shipment distances may be averaged over more than one path between an origin-destination pair.

Mileage Data for Pipeline Shipments

In the tables, we do not show ton-miles or average miles per shipment for pipeline shipments. For most of these shipments, the respondents reported the shipment

destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network, and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment.

DISCLOSURE RULES

In accordance with Federal law governing Census Bureau reports, no data are published that would disclose the operations of an individual firm or establishment.

EXPLANATION OF TERMS

Average miles per shipment. For the 1993 CFS, we excluded shipments of STCC 27, Printed Matter, from our calculation of average miles per shipment. We made this decision after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term “shipment.”

For the 1997 CFS, we made numerous efforts throughout our data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, we have included printed products in the average miles per shipment calculations for the 1997 CFS.

Commodity. Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment’s operation. Respondents reported the description and the five-digit SCTG code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.

Distance shipped. In some tables, shipment data are presented for various “distance shipped” intervals. Shipments were categorized into these “distance shipped” intervals based on the great circle distance between their origin and destination ZIP Code centroids. All other distance-related data in this and other tables (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories. (See the “Mileage Calculations” section for more details.)

Great circle distance. The shortest distance between two points on the earth’s surface.

Mode of transportation. The type of transportation used for moving the shipment to its domestic destination. For exports, the domestic destination was the port of exit.

Mode Definitions

In the instructions to the respondent, we defined the possible modes as follows:

1. **Parcel delivery/courier/U.S. Postal Service.** Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
2. **Private truck.** Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
3. **For-hire truck.** Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
4. **Railroad.** Any common carrier or private railroad.
5. **Shallow draft vessels.** Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
6. **Deep draft vessel.** Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.
7. **Pipeline.** Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper’s establishment. Aqueducts for the movement of water are not included.
8. **Air.** Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.
9. **Other mode.** Any mode not listed above.
10. **Unknown.** The shipment was not carried by a parcel delivery/courier/U.S. Postal Service, and the respondent could not determine what mode of transportation was used.

In the tables, we have used additional terms for mode, which we define as follows:

1. **Air (includes truck and air).** Shipments that used air or a combination of truck and air.
2. **Single modes.** Shipments using only one of the above-listed modes, except parcel or other and unknown.
3. **Multiple modes.** Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used:
 - Private truck
 - For-hire truck
 - Rail
 - Shallow draft vessel
 - Deep draft vessel
 - Pipeline

We did not allow for multiple modes in combination with “parcel, U.S. Postal Service or courier,” “unknown,” or “other.” By their nature, these shipments may already include various kinds of multiple-mode activity. For example, if the respondent reported a shipment’s mode of transportation as parcel and air, we treated the shipment as parcel only.

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.
5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as “Other” or “Unknown.”
6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.
7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as “Other multiple modes.”
8. **Great Lakes.** In the tables in this publication, “Great Lakes” appears as a single mode. ORNL’s transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the “Mileage Calculations” section for more details).

Other Definitions and Terms

Shipment. A shipment (or delivery) is an individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.

Standard Classification of Transported Goods

(SCTG). The commodities shown in this report are classified using the SCTG coding system. The SCTG coding system was developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States

exclude any mileages through Canada (see the “Mileage Calculations” section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

Tons shipped. The total weight of the entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.

Total modal activity. The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)

Value of shipments. The dollar value of the entire shipment. This was defined as the net selling value, f.o.b. plant, exclusive of freight charges and excise taxes. The value data are displayed in millions of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables for this publication:

D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey.
lb	Pounds.
n.e.c.	Not elsewhere classified.
NA	Not applicable.
n.o.s.	Not otherwise specified.

OTHER TRANSPORTATION DATA

Users of transportation data may be especially interested in the following reports:

Economic Census: Transportation Sector covers establishments that provide passenger and freight transportation to the general public, government, or other businesses.

Published data include kind of business, geographic location, total operating revenue, annual and first quarter payroll, and number of employees for pay period including March 12.

Vehicle Inventory and Use Survey covers state and U.S. level statistics on the physical and operational characteristics of the Nation's truck, van, minivan, and sport utility vehicle population. Some of the types of data collected include number of vehicles, major use, body type, annual miles, model year, vehicle size, fuel type, operator classification, engine size, range of operation, weeks operated, products carried, and hazardous materials carried. This survey shows comparative statistics reflecting percent changes in number of vehicles between 1997 and 1992 for most characteristics.

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected

include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

All results of the 1997 Economic Census are available on the Census Bureau Internet site <http://www.census.gov> and on compact discs (CD-ROM).

For more information on any Census Bureau product, including a description of electronic and printed reports being issued, see the website or call Customer Services at 301-457-4100.

Table 1a. Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	290 711	100.0	850 893	100.0	482 828	100.0	534
Single modes	223 814	77.0	777 444	91.4	427 512	88.5	133
Truck ¹	182 354	62.7	383 058	45.0	56 740	11.8	86
For-hire truck	90 727	31.2	132 428	15.6	39 395	8.2	497
Private truck	91 141	31.4	249 518	29.3	17 093	3.5	39
Rail	19 764	6.8	381 855	44.9	368 426	76.3	1 057
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	19 655	6.8	270	—	505	.1	1 570
Pipeline ²	2 041	.7	12 262	1.4	S	S	S
Multiple modes	57 398	19.7	39 211	4.6	52 512	10.9	854
Parcel, U.S. Postal Service or courier	55 569	19.1	1 162	.1	1 055	.2	854
Truck and rail	1 486	.5	S	S	S	S	992
Truck and water	139	—	91	—	132	—	2 259
Rail and water	172	—	27 019	3.2	39 237	8.1	1 457
Other multiple modes	S	S	S	S	S	S	16
Other and unknown modes	9 499	3.3	34 238	4.0	2 804	.6	199

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	290 711	229 993	26.4	850 893	850 593	—	482 828	435 495	10.9	534	444	20.5
Single modes	223 814	196 525	13.9	777 444	719 487	8.1	427 512	399 428	7.0	133	199	-33.2
Truck ¹	182 354	162 809	12.0	383 058	301 505	27.0	56 740	46 533	21.9	86	113	-23.6
For-hire truck	90 727	94 776	-4.3	132 428	128 023	3.4	39 395	34 489	14.2	497	473	4.9
Private truck	91 141	67 395	35.2	249 518	172 276	44.8	17 093	11 819	44.6	39	50	-21.8
Rail	19 764	18 974	4.2	381 855	407 438	-6.3	368 426	351 862	4.7	1 057	1 074	-1.5
Water	—	S	S	—	S	S	—	S	S	—	2 543	-100.0
Shallow draft	—	S	S	—	S	S	—	S	S	—	378	-100.0
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	—	S	S	—	S	S	—	S	S	—	3 076	-100.0
Air (includes truck and air)	19 655	12 241	60.6	270	146	84.7	505	206	145.3	1 570	1 561	.6
Pipeline ²	2 041	2 499	-18.4	12 262	10 397	17.9	S	S	S	S	S	S
Multiple modes	57 398	25 940	121.3	39 211	23 009	70.4	52 512	27 509	90.9	854	830	2.9
Parcel, U.S. Postal Service or courier	55 569	22 148	150.9	1 162	668	73.8	1 055	506	108.5	854	829	3.0
Truck and rail	1 486	3 687	-59.7	S	11 961	S	S	6 238	S	992	941	5.4
Truck and water	139	49	184.6	91	36	150.1	132	62	113.8	2 259	3 029	-25.4
Rail and water	172	56	206.7	27 019	10 343	161.2	39 237	20 704	89.5	1 457	1 916	-24.0
Other multiple modes	S	—	S	S	—	S	S	—	S	16	—	S
Other and unknown modes ...	9 499	7 529	26.2	34 238	108 097	-68.3	2 804	8 557	-67.2	199	516	-61.3

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	77.0	85.4	91.4	84.6	88.5	91.7
Truck ¹	62.7	70.8	45.0	35.4	11.8	10.7
For-hire truck	31.2	41.2	15.6	15.1	8.2	7.9
Private truck	31.4	29.3	29.3	20.3	3.5	2.7
Rail	6.8	8.2	44.9	47.9	76.3	80.8
Water	—	S	—	S	—	S
Shallow draft	—	S	—	S	—	S
Great Lakes	—	—	—	—	—	—
Deep draft	—	S	—	S	—	S
Air (includes truck and air)	6.8	5.3	—	—	.1	—
Pipeline ²	.7	1.1	1.4	1.2	S	S
Multiple modes	19.7	11.3	4.6	2.7	10.9	6.3
Parcel, U.S. Postal Service or courier	19.1	9.6	.1	—	.2	.1
Truck and rail	.5	1.6	S	1.4	S	1.4
Truck and water	—	—	—	—	—	—
Rail and water	—	—	3.2	1.2	8.1	4.8
Other multiple modes	S	—	S	—	S	—
Other and unknown modes	3.3	3.3	4.0	12.7	.6	2.0

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 2. Shipment Characteristics by Total Modal Activity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	482 828	100.0	528
Truck	57 802	12.0	86
Rail	409 394	84.8	1 043
Shallow draft	8 998	1.9	362
Great Lakes	S	S	312
Deep draft	87	—	2 658
Air	491	.1	1 502
Parcel, U.S. Postal Service or courier	1 055	.2	854
Pipeline	S	S	S
Other and unknown modes	2 812	.6	199

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹Data represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving by truck only plus ton-miles for truck segments only of multiple mode shipments.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	290 711	100.0	850 893	100.0	482 828	100.0
Less than 50 miles	87 993	30.3	330 521	38.8	6 713	1.4
50 to 99 miles	16 127	5.5	67 644	7.9	7 338	1.5
100 to 249 miles	25 147	8.7	66 275	7.8	14 659	3.0
250 to 499 miles	35 050	12.1	52 762	6.2	27 228	5.6
500 to 749 miles	30 150	10.4	109 510	12.9	102 356	21.2
750 to 999 miles	24 400	8.4	119 382	14.0	146 075	30.3
1,000 to 1,499 miles	33 999	11.7	92 223	10.8	150 067	31.1
1,500 to 1,999 miles	23 235	8.0	10 880	1.3	23 840	4.9
2,000 miles or more	14 611	5.0	1 697	.2	4 551	.9
Single modes	223 814	100.0	777 444	100.0	427 512	100.0
Less than 50 miles	78 441	35.0	299 361	38.5	6 452	1.5
50 to 99 miles	14 053	6.3	63 548	8.2	6 569	1.5
100 to 249 miles	21 555	9.6	65 316	8.4	14 416	3.4
250 to 499 miles	25 781	11.5	50 802	6.5	25 966	6.1
500 to 749 miles	22 704	10.1	106 302	13.7	99 255	23.2
750 to 999 miles	15 905	7.1	101 376	13.0	122 253	28.6
1,000 to 1,499 miles	23 722	10.6	78 756	10.1	125 588	29.4
1,500 to 1,999 miles	15 239	6.8	10 523	1.4	23 104	5.4
2,000 miles or more	6 413	2.9	1 461	.2	3 911	.9
Truck¹	182 354	100.0	383 058	100.0	56 740	100.0
Less than 50 miles	75 207	41.2	260 733	68.1	5 778	10.2
50 to 99 miles	12 523	6.9	40 841	10.7	4 022	7.1
100 to 249 miles	19 206	10.5	38 586	10.1	7 759	13.7
250 to 499 miles	20 294	11.1	17 451	4.6	7 951	14.0
500 to 749 miles	15 756	8.6	9 064	2.4	7 016	12.4
750 to 999 miles	11 235	6.2	5 165	1.3	5 710	10.1
1,000 to 1,499 miles	15 194	8.3	7 555	2.0	10 843	19.1
1,500 to 1,999 miles	9 676	5.3	3 056	.8	6 111	10.8
2,000 miles or more	3 264	1.8	606	.2	1 550	2.7
For-hire truck	90 727	100.0	132 428	100.0	39 395	100.0
Less than 50 miles	13 039	14.4	61 586	46.5	1 703	4.3
50 to 99 miles	3 610	4.0	19 285	14.6	1 976	5.0
100 to 249 miles	7 996	8.8	18 596	14.0	3 879	9.8
250 to 499 miles	15 282	16.8	11 781	8.9	5 445	13.8
500 to 749 miles	13 800	15.2	7 624	5.8	5 914	15.0
750 to 999 miles	10 561	11.6	4 450	3.4	4 921	12.5
1,000 to 1,499 miles	14 201	15.7	5 647	4.3	8 334	21.2
1,500 to 1,999 miles	9 085	10.0	2 892	2.2	5 776	14.7
2,000 miles or more	3 154	3.5	566	.4	1 447	3.7
Private truck	91 141	100.0	249 518	100.0	17 093	100.0
Less than 50 miles	61 995	68.0	198 666	79.6	4 051	23.7
50 to 99 miles	8 890	9.8	21 387	8.6	2 017	11.8
100 to 249 miles	11 133	12.2	19 730	7.9	3 832	22.4
250 to 499 miles	4 880	5.4	5 553	2.2	2 452	14.3
500 to 749 miles	1 926	2.1	1 385	.6	1 055	6.2
750 to 999 miles	651	.7	703	.3	775	4.5
1,000 to 1,499 miles	983	1.1	S	S	S	S
1,500 to 1,999 miles	579	.6	156	—	318	1.9
2,000 miles or more	104	.1	37	—	95	.6
Rail	19 764	100.0	381 855	100.0	368 426	100.0
Less than 50 miles	1 798	9.1	33 510	8.8	625	.2
50 to 99 miles	1 254	6.3	21 948	5.7	2 488	.7
100 to 249 miles	1 729	8.7	25 848	6.8	6 474	1.8
250 to 499 miles	1 529	7.7	27 992	7.3	16 559	4.5
500 to 749 miles	3 749	19.0	97 051	25.4	92 128	25.0
750 to 999 miles	2 434	12.3	96 182	25.2	116 504	31.6
1,000 to 1,499 miles	3 619	18.3	71 155	18.6	114 666	31.1
1,500 to 1,999 miles	2 807	14.2	7 387	1.9	16 839	4.6
2,000 miles or more	S	S	782	.2	2 143	.6
Water	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Air (includes truck and air)	19 655	100.0	270	100.0	505	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	105	.5	1	.2	—	—
100 to 249 miles	365	1.9	5	1.7	1	.3
250 to 499 miles	3 819	19.4	25	9.3	14	2.7
500 to 749 miles	3 158	16.1	27	10.0	26	5.2
750 to 999 miles	2 236	11.4	29	10.6	40	7.9
1,000 to 1,499 miles	4 909	25.0	46	17.1	80	15.8
1,500 to 1,999 miles	2 756	14.0	65	24.1	127	25.2
2,000 miles or more	2 306	11.7	73	27.0	217	43.0
Pipeline²	2 041	100.0	12 262	100.0	S	S
Less than 50 miles	1 436	70.4	5 117	41.7	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	139	6.8	5 334	43.5	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	—	—	—	—	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	57 398	100.0	39 211	100.0	52 512	100.0
Less than 50 miles	4 548	7.9	608	1.6	S	S
50 to 99 miles	1 668	2.9	S	S	S	S
100 to 249 miles	2 980	5.2	318	.8	84	.2
250 to 499 miles	8 608	15.0	S	S	S	S
500 to 749 miles	6 892	12.0	2 053	5.2	2 222	4.2
750 to 999 miles	7 557	13.2	17 805	45.4	23 601	44.9
1,000 to 1,499 miles	9 543	16.6	13 127	33.5	23 936	45.6
1,500 to 1,999 miles	7 812	13.6	219	.6	465	.9
2,000 miles or more	7 791	13.6	172	.4	474	.9
Parcel, U.S. Postal Service or courier	55 569	100.0	1 162	100.0	1 055	100.0
Less than 50 miles	4 471	8.0	209	18.0	4	.4
50 to 99 miles	1 598	2.9	50	4.3	5	.5
100 to 249 miles	2 892	5.2	109	9.4	24	2.2
250 to 499 miles	8 323	15.0	161	13.9	73	7.0
500 to 749 miles	6 769	12.2	124	10.6	98	9.3
750 to 999 miles	7 070	12.7	123	10.6	137	13.0
1,000 to 1,499 miles	9 136	16.4	180	15.5	263	25.0
1,500 to 1,999 miles	7 632	13.7	130	11.2	257	24.3
2,000 miles or more	7 677	13.8	77	6.7	194	18.4
Truck and rail	1 486	100.0	S	S	S	S
Less than 50 miles	47	3.2	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	88	5.9	209	1.9	60	.5
250 to 499 miles	229	15.4	S	S	S	S
500 to 749 miles	119	8.0	S	S	S	S
750 to 999 miles	393	26.4	278	2.6	365	3.0
1,000 to 1,499 miles	331	22.3	S	S	S	S
1,500 to 1,999 miles	179	12.1	89	.8	208	1.7
2,000 miles or more	31	2.1	61	.6	171	1.4
Truck and water	139	100.0	91	100.0	132	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	33	36.3	109	82.3

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	172	100.0	27 019	100.0	39 237	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	93	54.4	17 405	64.4	23 100	58.9
1,000 to 1,499 miles	76	44.1	9 088	33.6	15 480	39.5
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other and unknown modes	9 499	100.0	34 238	100.0	2 804	100.0
Less than 50 miles	5 004	52.7	30 552	89.2	S	S
50 to 99 miles	406	4.3	S	S	S	S
100 to 249 miles	612	6.4	640	1.9	159	5.7
250 to 499 miles	661	7.0	613	1.8	276	9.8
500 to 749 miles	554	5.8	S	S	879	31.3
750 to 999 miles	938	9.9	201	.6	221	7.9
1,000 to 1,499 miles	733	7.7	340	1.0	543	19.4
1,500 to 1,999 miles	184	1.9	138	.4	272	9.7
2,000 miles or more	407	4.3	65	.2	167	5.9

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	290 711	100.0	850 893	100.0	482 828	100.0	534
Less than 50 lb	56 841	19.6	1 489	.2	609	.1	613
50 to 99 lb	14 868	5.1	784	—	251	—	315
100 to 499 lb	37 363	12.9	4 071	.5	809	.2	204
500 to 749 lb	11 309	3.9	1 904	.2	346	—	181
750 to 999 lb	7 221	2.5	1 578	.2	244	—	153
1,000 to 9,999 lb	51 358	17.7	26 875	3.2	4 530	.9	168
10,000 to 49,999 lb	69 585	23.9	181 971	21.4	36 002	7.5	185
50,000 to 99,999 lb	17 585	6.0	136 686	16.1	17 212	3.6	125
100,000 lb or more	24 581	8.5	495 534	58.2	422 825	87.6	771
Single modes	223 814	100.0	777 444	100.0	427 512	100.0	133
Less than 50 lb	18 403	8.2	864	.1	83	—	120
50 to 99 lb	6 521	2.9	498	—	54	—	107
100 to 499 lb	27 998	12.5	3 512	.5	518	.1	140
500 to 749 lb	8 828	3.9	1 802	.2	289	—	160
750 to 999 lb	6 364	2.8	1 492	.2	229	—	152
1,000 to 9,999 lb	48 937	21.9	26 028	3.3	4 170	1.0	161
10,000 to 49,999 lb	66 333	29.6	178 102	22.9	33 784	7.9	177
50,000 to 99,999 lb	17 297	7.7	134 923	17.4	16 788	3.9	124
100,000 lb or more	23 134	10.3	430 224	55.3	371 597	86.9	772
Truck¹	182 354	100.0	383 058	100.0	56 740	100.0	86
Less than 50 lb	10 151	5.6	837	.2	41	—	50
50 to 99 lb	4 491	2.5	490	.1	41	—	82
100 to 499 lb	22 788	12.5	3 482	.9	477	.8	127
500 to 749 lb	8 140	4.5	1 790	.5	276	.5	154
750 to 999 lb	5 673	3.1	1 479	.4	211	.4	142
1,000 to 9,999 lb	46 186	25.3	25 964	6.8	4 066	7.2	156
10,000 to 49,999 lb	65 738	36.0	177 567	46.4	33 175	58.5	174
50,000 to 99,999 lb	16 778	9.2	133 395	34.8	15 342	27.0	116
100,000 lb or more	2 410	1.3	38 054	9.9	3 112	5.5	108
For-hire truck	90 727	100.0	132 428	100.0	39 395	100.0	497
Less than 50 lb	2 951	3.3	42	—	18	—	457
50 to 99 lb	1 324	1.5	48	—	22	—	452
100 to 499 lb	10 585	11.7	473	.4	302	.8	597
500 to 749 lb	3 504	3.9	232	.2	180	.5	773
750 to 999 lb	2 681	3.0	181	.1	125	.3	692
1,000 to 9,999 lb	19 418	21.4	4 316	3.3	2 518	6.4	621
10,000 to 49,999 lb	41 794	46.1	53 701	40.6	25 390	64.4	494
50,000 to 99,999 lb	6 846	7.5	59 233	44.7	8 484	21.5	145
100,000 lb or more	1 625	1.8	14 202	10.7	2 356	6.0	284
Private truck	91 141	100.0	249 518	100.0	17 093	100.0	39
Less than 50 lb	7 168	7.9	788	.3	21	.1	26
50 to 99 lb	3 150	3.5	436	.2	18	.1	42
100 to 499 lb	12 159	13.3	3 000	1.2	172	1.0	55
500 to 749 lb	4 617	5.1	1 547	.6	95	.6	61
750 to 999 lb	2 971	3.3	1 292	.5	85	.5	66
1,000 to 9,999 lb	26 557	29.1	21 472	8.6	1 484	8.7	71
10,000 to 49,999 lb	23 857	26.2	123 502	49.5	7 718	45.2	59
50,000 to 99,999 lb	9 900	10.9	73 816	29.6	6 790	39.7	93
100,000 lb or more	763	.8	23 663	9.5	709	4.1	42
Rail	19 764	100.0	381 855	100.0	368 426	100.0	1 057
Less than 50 lb	S	S	S	S	S	S	803
50 to 99 lb	S	S	S	S	S	S	1 479
100 to 499 lb	2	—	—	—	S	S	1 087
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	1 706
1,000 to 9,999 lb	S	S	8	—	13	—	1 682
10,000 to 49,999 lb	393	2.0	392	.1	400	.1	986
50,000 to 99,999 lb	476	2.4	1 415	.4	1 427	.4	1 035
100,000 lb or more	18 800	95.1	380 039	99.5	366 585	99.5	1 065
Water	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Air (includes truck and air)	19 655	100.0	270	100.0	505	100.0	1 570
Less than 50 lb	8 236	41.9	27	10.1	43	8.4	1 578
50 to 99 lb	1 968	10.0	8	3.0	13	2.5	1 582
100 to 499 lb	5 208	26.5	29	10.8	41	8.2	1 464
500 to 749 lb	687	3.5	11	4.3	12	2.5	1 054
750 to 999 lb	690	3.5	S	S	S	S	1 394
1,000 to 9,999 lb	2 662	13.5	55	20.3	91	18.0	1 681
10,000 to 49,999 lb	176	.9	82	30.5	S	S	2 282
50,000 to 99,999 lb	S	S	S	S	S	S	1 565
100,000 lb or more	S	S	S	S	S	S	1 915
Pipeline²	2 041	100.0	12 262	100.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	39	1.9	101	.8	S	S	S
100,000 lb or more	1 898	93.0	12 098	98.7	S	S	S
Multiple modes	57 398	100.0	39 211	100.0	52 512	100.0	854
Less than 50 lb	36 266	63.2	543	1.4	516	1.0	854
50 to 99 lb	7 801	13.6	223	.6	193	.4	845
100 to 499 lb	8 376	14.6	327	.8	283	.5	869
500 to 749 lb	2 248	3.9	46	.1	53	.1	1 165
750 to 999 lb	702	1.2	24	—	12	—	515
1,000 to 9,999 lb	S	S	35	—	40	—	1 134
10,000 to 49,999 lb	1 089	1.9	1 039	2.6	1 147	2.2	1 112
50,000 to 99,999 lb	98	.2	433	1.1	136	.3	S
100,000 lb or more	554	1.0	36 541	93.2	50 133	95.5	1 062
Parcel, U.S. Postal Service or courier	55 569	100.0	1 162	100.0	1 055	100.0	854
Less than 50 lb	36 266	65.3	543	46.7	516	48.9	854
50 to 99 lb	7 801	14.0	223	19.2	193	18.3	845
100 to 499 lb	8 374	15.1	326	28.1	282	26.7	868
500 to 749 lb	2 247	4.0	45	3.9	53	5.0	1 164
750 to 999 lb	699	1.3	23	2.0	12	1.1	504
1,000 to 9,999 lb	S	S	S	S	—	—	S
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	1 486	100.0	S	S	S	S	992
Less than 50 lb	S	S	S	S	S	S	1 427
50 to 99 lb	S	S	S	S	S	S	2 167
100 to 499 lb	S	S	S	S	S	S	1 340
500 to 749 lb	S	S	S	S	S	S	1 613
750 to 999 lb	S	S	S	S	S	S	1 176
1,000 to 9,999 lb	64	4.3	26	.2	S	S	1 200
10,000 to 49,999 lb	965	64.9	937	8.6	1 032	8.5	1 108
50,000 to 99,999 lb	79	5.3	S	S	128	1.1	S
100,000 lb or more	372	25.0	S	S	S	S	1 012
Truck and water	139	100.0	91	100.0	132	100.0	2 259
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	2 790
500 to 749 lb	S	S	S	S	S	S	2 993
750 to 999 lb	S	S	S	S	S	S	3 173
1,000 to 9,999 lb	S	S	3	3.6	10	7.7	3 059
10,000 to 49,999 lb	119	85.9	82	90.7	114	86.3	1 517
50,000 to 99,999 lb	S	S	S	S	S	S	1 363
100,000 lb or more	—	—	—	—	—	—	—

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	172	100.0	27 019	100.0	39 237	100.0	1 457
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	172	100.0	27 019	100.0	39 237	100.0	1 457
Other multiple modes	S	S	S	S	S	S	16
Less than 50 lb	S	S	S	S	S	S	4
50 to 99 lb	S	S	S	S	S	S	6
100 to 499 lb	—	.1	—	.2	S	S	8
500 to 749 lb	S	S	S	S	S	S	17
750 to 999 lb	S	S	S	S	S	S	10
1,000 to 9,999 lb	S	S	S	S	S	S	9
10,000 to 49,999 lb	S	S	S	S	S	S	19
50,000 to 99,999 lb	S	S	S	S	S	S	9
100,000 lb or more	S	S	S	S	S	S	169
Other and unknown modes	9 499	100.0	34 238	100.0	2 804	100.0	199
Less than 50 lb	2 172	22.9	82	.2	10	.4	226
50 to 99 lb	546	5.8	63	.2	4	.1	S
100 to 499 lb	989	10.4	233	.7	8	.3	32
500 to 749 lb	232	2.4	56	.2	4	.1	S
750 to 999 lb	155	1.6	62	.2	2	—	38
1,000 to 9,999 lb	2 157	22.7	812	2.4	321	11.4	344
10,000 to 49,999 lb	2 163	22.8	2 831	8.3	1 071	38.2	421
50,000 to 99,999 lb	191	2.0	1 331	3.9	288	10.3	199
100,000 lb or more	894	9.4	28 769	84.0	1 096	39.1	359

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	290 711	100.0	850 893	100.0	482 828	100.0	534
01	Live animals and live fish	S	S	S	S	S	S	256
02	Cereal grains	2 038	.7	15 888	1.9	6 600	1.4	146
03	Other agricultural products	4 132	1.4	6 566	.8	4 948	1.0	178
04	Animal feed and products of animal origin, n.e.c.	3 453	1.2	9 510	1.1	2 406	.5	S
05	Meat, fish, seafood, and their preparations	8 411	2.9	2 991	.4	1 842	.4	76
06	Milled grain products and preparations, and bakery products	3 668	1.3	2 681	.3	1 248	.3	217
07	Other prepared foodstuffs and fats and oils	14 522	5.0	20 560	2.4	6 149	1.3	S
08	Alcoholic beverages	6 276	2.2	9 053	1.1	8 332	1.7	62
09	Tobacco products	775	.3	29	—	S	S	905
10	Monumental or building stone	S	S	128	—	30	—	S
11	Natural sands	193	—	19 363	2.3	823	.2	S
12	Gravel and crushed stone	568	.2	82 583	9.7	2 978	.6	34
13	Nonmetallic minerals n.e.c.	849	.3	12 289	1.4	8 831	1.8	427
14	Metallic ores and concentrates	4 726	1.6	11 325	1.3	1 680	.3	309
15	Coal	4 818	1.7	396 848	46.6	346 938	71.9	S
17	Gasoline and aviation turbine fuel	9 119	3.1	31 136	3.7	5 393	1.1	136
18	Fuel oils	4 082	1.4	18 509	2.2	2 735	.6	76
19	Coal and petroleum products, n.e.c.	3 059	1.1	32 706	3.8	S	S	92
20	Basic chemicals	4 587	1.6	25 726	3.0	17 806	3.7	923
21	Pharmaceutical products	10 327	3.6	258	—	222	—	1 122
22	Fertilizers	1 653	.6	9 765	1.1	6 180	1.3	185
23	Chemical products and preparations, n.e.c.	8 944	3.1	3 182	.4	1 916	.4	506
24	Plastics and rubber	6 555	2.3	1 756	.2	726	.2	383
25	Logs and other wood in the rough	716	.2	15 600	1.8	1 178	.2	S
26	Wood products	8 066	2.8	14 027	1.6	9 032	1.9	280
27	Pulp, newsprint, paper, and paperboard	1 987	.7	1 887	.2	1 141	.2	172
28	Paper or paperboard articles	3 431	1.2	2 256	.3	850	.2	579
29	Printed products	8 593	3.0	2 603	.3	504	.1	419
30	Textiles, leather, and articles of textiles or leather	7 398	2.5	714	—	327	—	1 287
31	Nonmetallic mineral products	5 634	1.9	67 485	7.9	6 648	1.4	283
32	Base metal in primary or semifinished forms and in finished basic shapes	11 274	3.9	8 336	1.0	5 064	1.0	253
33	Articles of base metal	8 467	2.9	3 763	.4	1 514	.3	291
34	Machinery	13 290	4.6	1 350	.2	768	.2	252
35	Electronic and other electrical equipment and components and office equipment	57 655	19.8	1 256	.1	800	.2	930
36	Motorized and other vehicles (including parts)	12 467	4.3	1 431	.2	1 136	.2	278
37	Transportation equipment, n.e.c.	6 770	2.3	S	S	151	—	548
38	Precision instruments and apparatus	6 848	2.4	92	—	88	—	937
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	5 159	1.8	823	.1	384	—	482
40	Miscellaneous manufactured products	21 104	7.3	3 416	.4	1 324	.3	888
41	Waste and scrap	880	.3	7 575	.9	2 840	.6	272
43	Mixed freight	6 916	2.4	3 365	.4	475	.1	233
--	Commodity unknown	1 123	.4	1 754	.2	S	S	507

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	290 711	100.0	850 893	100.0	482 828	100.0	534
010	Live animals and live fish	S	S	S	S	S	S	256
021	Wheat	1 293	.4	9 753	1.1	5 284	1.1	186
022	Corn, except sweet	533	.2	4 717	.6	716	.1	S
029	Other cereal grains	211	—	1 419	.2	600	.1	106
031	Fresh or chilled potatoes (Irish potatoes), except sweet	589	.2	S	S	S	S	409
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	2 039	.7	3 215	.4	S	S	S
033	Fresh, chilled, or dried edible fruit and nuts	854	.3	1 078	.1	S	S	138
034	Soya beans	S	S	S	S	S	S	S
035	Oil seeds and nuts, except olives and soya beans	18	—	60	—	10	—	65
036	Bulbs, live plants, and seeds for sowing, n.e.c.	339	.1	201	—	65	—	484
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	271	—	278	—	162	—	171
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	427	.1	1 771	.2	912	.2	S
042	Animal feed preparations	3 025	1.0	7 740	.9	1 494	.3	S
051	Meat including poultry, except preparations	7 620	2.6	2 877	.3	1 838	.4	115
052	Fish, except live, and seafood, except preparations	791	.3	115	—	4	—	30
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	48
061	Wheat flour, groats, and meal	210	—	788	—	401	—	226
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	S	S	225	—	79	—	S
063	Food preparations of cereals, flour, starch, or milk	923	.3	562	—	296	—	536
064	Bakery products	2 419	.8	1 106	.1	473	.1	141
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	5 436	1.9	8 664	1.0	1 215	.3	67
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	3 267	1.1	2 810	.3	2 108	.4	174
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	226	—	36	—	20	—	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	373	.1	S	S	229	—	148
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	868	.3	1 635	.2	1 567	.3	354
076	Confectionery, cocoa, and cocoa preparations	366	.1	127	—	87	—	108
077	Edible preparations, n.e.c. and vinegar	1 134	.4	622	—	487	.1	350
078	Nonalcoholic beverages, n.e.c. and ice	2 852	1.0	5 799	.7	435	—	S
081	Malt Beer	4 762	1.6	8 613	1.0	8 299	1.7	61
082	Wine and other fermented beverages	666	.2	208	—	S	S	71
083	Spirituos beverages and ethyl alcohol	848	.3	232	—	13	—	60
090	Tobacco products	775	.3	29	—	S	S	905
100	Monumental or building stone, except dolomite	S	S	128	—	30	—	S
110	Natural sands, except metal-bearing	193	—	19 363	2.3	823	.2	S
120	Gravel and crushed stone, except dolomite and slate	568	.2	82 583	9.7	2 978	.6	34
131	Salt	S	S	S	S	S	S	345
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	694
133	Dolomite	S	S	S	S	S	S	50
139	Other nonmetallic minerals	589	.2	7 649	.9	7 101	1.5	557
141	Iron ores and concentrates	1	—	16	—	2	—	73
149	Other metallic ores and concentrates	4 725	1.6	11 309	1.3	1 678	.3	317
151	Nonagglomerated bituminous coal	4 771	1.6	393 511	46.2	346 919	71.9	S
159	Other coal	S	S	S	S	S	S	17
171	Gasoline	8 829	3.0	29 897	3.5	5 335	1.1	137
172	Aviation turbine fuel (types A and B)	291	.1	1 239	.1	58	—	S
180	Fuel oils	4 082	1.4	18 509	2.2	2 735	.6	76
191	Lubricating oils and greases	604	.2	552	—	46	—	67
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	S	S	S	S	S	S	32
193	Gaseous hydrocarbons	535	.2	1 721	.2	267	—	S
199	Other products of petroleum refining, and coal products	1 765	.6	29 834	3.5	S	S	285
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	184	—	S	S	S	S	260
202	Inorganic chemicals, n.e.c.	2 883	1.0	23 682	2.8	16 349	3.4	200
203	Cyclic hydrocarbons	S	S	S	S	S	S	175
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	90	—	180	—	102	—	180
205	Organic chemicals, n.e.c.	1 420	.5	230	—	83	—	1 330
210	Pharmaceutical products	10 327	3.6	258	—	222	—	1 122
220	Fertilizers and fertilizer materials	1 653	.6	9 765	1.1	6 180	1.3	185
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	680	.2	233	—	64	—	364
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	1 737	.6	104	—	82	—	916
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	S	S	1 852	.2	1 442	.3	287
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	2 726	.9	97	—	128	—	711
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	1 268	.4	185	—	51	—	101
239	Other chemical products and preparations	579	.2	711	—	149	—	502
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	455	.2	195	—	48	—	194
242	Manmade fibers and plastics basic shapes and articles	5 002	1.7	1 324	.2	628	.1	446

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	1 098	.4	237	—	50	—	208
250	Logs and other wood in the rough	716	.2	15 600	1.8	1 178	.2	S
261	Wood chips or particles	89	—	2 483	.3	1 078	.2	254
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	4 401	1.5	7 194	.8	5 453	1.1	238
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	1 623	.6	3 001	.4	2 297	.5	402
264	Builders' joinery and carpentry of wood, except shingles and shakes	1 467	.5	666	—	125	—	136
269	Other wood products	485	.2	S	S	79	—	606
271	Pulp of fibrous cellulosic materials	43	—	43	—	S	S	306
272	Newsprint in large rolls or sheets	206	—	328	—	179	—	111
273	Uncoated paper and paperboard in large rolls or sheets	938	.3	1 051	.1	757	.2	118
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	801	.3	465	—	196	—	242
280	Paper or paperboard articles	3 431	1.2	2 256	.3	850	.2	579
291	Printed books, brochures, leaflets, and similar printed products	3 148	1.1	276	—	180	—	928
292	Newspapers, journals, and periodicals	2 404	.8	1 865	.2	93	—	94
293	Advertising material, commercial or trade catalogues, and similar printed products	1 096	.4	264	—	S	S	858
299	Other printed products	1 945	.7	197	—	115	—	1 084
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	553	.2	63	—	23	—	1 572
302	Textile clothing and accessories, and headgear, except safety	4 651	1.6	349	—	195	—	1 377
303	Textiles and textile articles, n.e.c.	1 620	.6	284	—	92	—	857
304	Footwear	104	—	3	—	4	—	1 450
305	Leather and articles, luggage of related materials, and dressed furskins and articles	470	.2	14	—	13	—	1 114
311	Hydraulic cements	679	.2	11 155	1.3	1 083	.2	62
312	Ceramic products	486	.2	395	—	209	—	929
313	Glass and glass products	731	.3	290	—	113	—	278
319	Other nonmetallic mineral products	3 738	1.3	55 644	6.5	5 244	1.1	82
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	580	.2	311	—	192	—	S
322	Flat-rolled products of iron or steel	934	.3	1 215	.1	242	—	117
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	1 887	.6	3 388	.4	1 345	.3	249
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	7 873	2.7	3 422	.4	3 284	.7	407
331	Pipes, tubes, and fittings	1 877	.6	1 047	.1	273	—	123
332	Structures and parts, except prefabricated buildings	2 305	.8	1 210	.1	579	.1	197
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	2 034	.7	321	—	111	—	376
339	Other articles of metal	2 252	.8	1 185	.1	551	.1	347
341	Internal-combustion piston engines	1 221	.4	97	—	34	—	254
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	1 330	.5	32	—	19	—	444
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	1 392	.5	107	—	79	—	317
344	Air-conditioning, refrigerating, or freezing equipment	696	.2	94	—	29	—	118
345	Materials-handling, excavating, boring, and related machinery and equipment	3 891	1.3	548	—	270	—	130
349	Other machinery	4 761	1.6	471	—	336	—	294
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	582	.2	56	—	14	—	345
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	525	.2	S	S	30	—	545
353	Line telephone or telegraph apparatus	S	S	S	S	S	S	967
354	Electronic entertainment products, except parts	1 021	.4	26	—	29	—	1 101
355	Computer and office equipment	24 149	8.3	283	—	358	—	1 376
356	Prepared unrecorded or prerecorded media	1 313	.5	26	—	30	—	1 207
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	1 373	.5	9	—	9	—	667
358	Electronic components and parts	18 878	6.5	60	—	65	—	1 131
359	Other electronic and electrical equipment	8 582	3.0	713	—	248	—	245
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	129	—	31	—	S	S	588
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	589	.2	80	—	12	—	96
363	Other vehicles	2 361	.8	374	—	156	—	320
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	9 389	3.2	946	.1	S	S	284
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	113	—	S	S	S	S	465
372	Aircraft and spacecraft	6 318	2.2	45	—	52	—	517
373	Ships, boats, and floating structures	339	.1	14	—	19	—	1 196
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	4	—	4	—	923
382	Photographic and photocopying machines	272	—	S	S	S	S	418
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	1 361	.5	6	—	S	S	922
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	2 452	.8	54	—	50	—	1 162
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	1 922	.7	15	—	12	—	621

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	5 159	1.8	823	.1	384	—	482
401	Arms and ammunition	479	.2	26	—	19	—	883
402	Toys, games, and sporting equipment	2 141	.7	155	—	173	—	1 220
409	Miscellaneous manufactured products	18 484	6.4	3 235	.4	1 132	.2	842
411	Metallic waste and scrap	808	.3	S	S	S	S	248
412	Nonmetallic waste and scrap, except from food processing	72	—	958	.1	664	.1	350
439	Mixed freight	6 916	2.4	3 365	.4	475	.1	233
—	Commodity unknown	1 123	.4	1 754	.2	S	S	507

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 160, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	290 711	100.0	850 893	100.0	482 828	100.0	534
Single modes	223 814	77.0	777 444	91.4	427 512	88.5	133
Truck ¹	182 354	62.7	383 058	45.0	56 740	11.8	86
For-hire truck	90 727	31.2	132 428	15.6	39 395	8.2	497
Private truck	91 141	31.4	249 518	29.3	17 093	3.5	39
Rail	19 764	6.8	381 855	44.9	368 426	76.3	1 057
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	19 655	6.8	270	—	505	.1	1 570
Pipeline ²	2 041	.7	12 262	1.4	S	S	S
Multiple modes	57 398	19.7	39 211	4.6	52 512	10.9	854
Parcel, U.S. Postal Service or courier	55 569	19.1	1 162	.1	1 055	.2	854
Truck and rail	1 486	.5	S	S	S	S	992
Truck and water	139	—	91	—	132	—	2 259
Rail and water	172	—	27 019	3.2	39 237	8.1	1 457
Other multiple modes	S	S	S	S	S	S	16
Other and unknown modes	9 499	3.3	34 238	4.0	2 804	.6	199
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	S	S	S	S	S	S	256
Single modes	S	S	S	S	S	S	256
Truck ¹	S	S	S	S	S	S	256
For-hire truck	S	S	S	S	S	S	914
Private truck	S	S	6	6.7	S	S	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	—	—	—	—	—	—	—
SCTG 02, CEREAL GRAINS							
Total	2 038	100.0	15 888	100.0	6 600	100.0	146
Single modes	1 832	89.9	14 331	90.2	5 875	89.0	137
Truck ¹	1 152	56.6	9 515	59.9	1 702	25.8	115
For-hire truck	527	25.9	4 116	25.9	992	15.0	262
Private truck	580	28.5	5 011	31.5	S	S	63
Rail	679	33.3	4 816	30.3	4 173	63.2	762
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 662
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 785
Truck and rail	S	S	S	S	S	S	920
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	4 132	100.0	6 566	100.0	4 948	100.0	178
Single modes	4 021	97.3	6 500	99.0	4 930	99.6	158
Truck ¹	3 923	94.9	6 298	95.9	4 471	90.4	156
For-hire truck	2 433	58.9	4 631	70.5	4 197	84.8	673
Private truck	1 478	35.8	1 638	24.9	244	4.9	S
Rail	S	S	S	S	S	S	2 248
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 245
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	17	.4	S	S	11	.2	1 187
Parcel, U.S. Postal Service or courier	10	.3	1	—	1	—	1 191
Truck and rail	7	.2	S	S	11	.2	782
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	94	2.3	47	.7	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	3 453	100.0	9 510	100.0	2 406	100.0	S
Single modes	2 888	83.6	8 924	93.8	2 162	89.9	71
Truck ¹	2 768	80.2	8 333	87.6	1 618	67.3	69
For-hire truck	1 197	34.7	2 895	30.4	1 274	52.9	431
Private truck	1 552	44.9	5 375	56.5	339	14.1	39
Rail	117	3.4	571	6.0	537	22.3	985
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	3 917
Pipeline ²	1	—	18	.2	S	S	S
Multiple modes	117	3.4	84	.9	136	5.7	1 151
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	904
Truck and rail	112	3.2	76	.8	112	4.7	1 479
Truck and water	S	S	S	S	S	S	3 201
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	8 411	100.0	2 991	100.0	1 842	100.0	76
Single modes	8 376	99.6	2 970	99.3	1 842	100.0	77
Truck ¹	8 337	99.1	2 933	98.0	1 763	95.7	76
For-hire truck	4 875	58.0	1 849	61.8	1 559	84.6	758
Private truck	3 454	41.1	1 082	36.2	202	11.0	46
Rail	S	S	S	S	S	S	1 308
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	3 241
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	342
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	342
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	21

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	3 668	100.0	2 681	100.0	1 248	100.0	217
Single modes	3 511	95.7	2 605	97.2	1 235	99.0	143
Truck ¹	3 486	95.0	2 491	92.9	1 157	92.7	143
For-hire truck	1 311	35.7	1 128	42.1	929	74.4	664
Private truck	2 165	59.0	1 337	49.9	218	17.5	116
Rail	20	.5	95	3.5	78	6.2	842
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	818
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	818
Truck and rail	S	S	S	S	S	S	278
Truck and water	S	S	S	S	S	S	3 050
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	280
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	14 522	100.0	20 560	100.0	6 149	100.0	S
Single modes	14 083	97.0	20 048	97.5	6 091	99.0	S
Truck ¹	13 391	92.2	18 717	91.0	4 089	66.5	S
For-hire truck	4 611	31.8	4 376	21.3	2 828	46.0	632
Private truck	8 747	60.2	14 313	69.6	1 242	20.2	23
Rail	685	4.7	1 330	6.5	2 000	32.5	1 593
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	1	—	2	—	1 344
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 079
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 076
Truck and rail	S	S	S	S	S	S	1 456
Truck and water	S	S	S	S	S	S	3 160
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	322	2.2	490	2.4	32	.5	44
SCTG 08, ALCOHOLIC BEVERAGES							
Total	6 276	100.0	9 053	100.0	8 332	100.0	62
Single modes	6 187	98.6	8 918	98.5	8 186	98.2	61
Truck ¹	4 991	79.5	4 646	51.3	1 425	17.1	49
For-hire truck	874	13.9	1 287	14.2	1 147	13.8	570
Private truck	4 108	65.5	3 355	37.1	S	S	40
Rail	1 196	19.1	4 272	47.2	6 761	81.1	1 502
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	319
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	1 171
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	73

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	775	100.0	29	100.0	S	S	905
Single modes	528	68.1	24	81.8	S	S	466
Truck ¹	517	66.7	23	81.2	3	29.1	401
For-hire truck	S	S	S	S	S	S	1 089
Private truck	429	55.4	21	74.5	2	15.6	70
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	4 246
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 249
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 249
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	118
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	S	S	128	100.0	30	100.0	S
Single modes	S	S	124	97.2	30	99.4	S
Truck ¹	S	S	121	95.0	24	81.5	S
For-hire truck	8	16.1	70	54.9	21	70.7	356
Private truck	S	S	S	S	3	10.7	S
Rail	S	S	S	S	S	S	1 887
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	794
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	794
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	51
SCTG 11, NATURAL SANDS							
Total	193	100.0	19 363	100.0	823	100.0	S
Single modes	191	98.9	19 152	98.9	782	95.0	S
Truck ¹	181	93.5	18 811	97.1	607	73.7	S
For-hire truck	49	25.2	7 169	37.0	249	30.2	S
Private truck	S	S	11 642	60.1	358	43.4	S
Rail	8	4.3	339	1.8	173	21.0	512
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 078
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	308
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	308
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	131

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	568	100.0	82 583	100.0	2 978	100.0	34
Single modes	558	98.1	81 772	99.0	2 960	99.4	34
Truck ¹	552	97.2	80 638	97.6	2 768	93.0	34
For-hire truck	108	19.0	16 378	19.8	642	21.6	S
Private truck	442	77.8	63 974	77.5	2 105	70.7	33
Rail	S	S	S	S	S	S	307
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 230
Truck and rail	S	S	S	S	S	S	49
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	14
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	849	100.0	12 289	100.0	8 831	100.0	427
Single modes	827	97.4	12 059	98.1	8 593	97.3	492
Truck ¹	416	49.0	5 169	42.1	2 252	25.5	355
For-hire truck	331	38.9	3 576	29.1	2 142	24.3	666
Private truck	85	10.0	1 583	12.9	108	1.2	48
Rail	411	48.4	6 887	56.0	6 339	71.8	1 424
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	729
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	11	1.3	62	.5	S	S	514
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	384
Truck and rail	S	S	61	.5	S	S	2 142
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	10	1.2	168	1.4	139	1.6	S
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	4 726	100.0	11 325	100.0	1 680	100.0	309
Single modes	4 212	89.1	11 135	98.3	1 492	88.8	281
Truck ¹	1 860	39.4	1 301	11.5	382	22.7	311
For-hire truck	1 743	36.9	1 100	9.7	342	20.3	371
Private truck	117	2.5	201	1.8	40	2.4	102
Rail	1 890	40.0	9 164	80.9	1 104	65.7	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	731
Pipeline ²	449	9.5	668	5.9	S	S	S
Multiple modes	S	S	160	1.4	163	9.7	462
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	164	3.5	160	1.4	163	9.7	1 246
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	553

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	4 818	100.0	396 848	100.0	346 938	100.0	S
Single modes	4 259	88.4	342 799	86.4	307 163	88.5	S
Truck ¹	457	9.5	26 207	6.6	1 367	.4	78
For-hire truck	263	5.5	12 968	3.3	720	.2	66
Private truck	S	S	S	S	S	S	95
Rail	3 698	76.8	311 313	78.4	304 371	87.7	747
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	104	2.2	5 279	1.3	S	S	S
Multiple modes	172	3.6	27 024	6.8	39 239	11.3	1 354
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	213
Truck and water	—	—	—	—	—	—	—
Rail and water	172	3.6	27 019	6.8	39 237	11.3	1 457
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	387	8.0	27 025	6.8	S	S	S
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	9 119	100.0	31 136	100.0	5 393	100.0	136
Single modes	9 066	99.4	30 964	99.4	5 380	99.8	141
Truck ¹	7 975	87.5	26 783	86.0	4 839	89.7	140
For-hire truck	1 983	21.7	7 108	22.8	S	S	228
Private truck	5 989	65.7	19 669	63.2	S	S	122
Rail	S	S	S	S	S	S	309
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	834	9.1	3 359	10.8	S	S	S
Multiple modes	S	S	S	S	S	S	9
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	9
Other and unknown modes	S	S	96	.3	S	S	S
SCTG 18, FUEL OILS							
Total	4 082	100.0	18 509	100.0	2 735	100.0	76
Single modes	4 045	99.1	18 341	99.1	2 708	99.0	76
Truck ¹	3 478	85.2	14 970	80.9	1 567	57.3	70
For-hire truck	910	22.3	4 550	24.6	773	28.3	205
Private truck	2 559	62.7	10 387	56.1	790	28.9	52
Rail	187	4.6	1 413	7.6	1 105	40.4	706
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	380	9.3	1 958	10.6	S	S	S
Multiple modes	3	—	10	—	S	S	11
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	50
Truck and rail	S	S	S	S	S	S	44
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	3	—	10	—	S	S	11
Other and unknown modes	S	S	S	S	S	S	59

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	3 059	100.0	32 706	100.0	S	S	92
Single modes	2 860	93.5	24 051	73.5	10 456	51.1	84
Truck ¹	2 194	71.7	15 589	47.7	2 620	12.8	66
For-hire truck	977	32.0	10 402	31.8	1 939	9.5	261
Private truck	1 216	39.8	5 187	15.9	681	3.3	46
Rail	456	14.9	7 923	24.2	S	S	881
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	383
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	372
Truck and rail	S	S	S	S	S	S	909
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	42	1.4	S	S	S	S	92
SCTG 20, BASIC CHEMICALS							
Total	4 587	100.0	25 726	100.0	17 806	100.0	923
Single modes	3 860	84.1	25 429	98.8	17 429	97.9	235
Truck ¹	2 284	49.8	11 419	44.4	2 537	14.3	131
For-hire truck	1 247	27.2	7 681	29.9	2 044	11.5	392
Private truck	1 028	22.4	3 706	14.4	S	S	47
Rail	1 498	32.7	13 625	53.0	14 860	83.5	1 099
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 493
Pipeline ²	47	1.0	S	S	S	S	S
Multiple modes	717	15.6	262	1.0	345	1.9	1 388
Parcel, U.S. Postal Service or courier	523	11.4	8	—	9	—	1 388
Truck and rail	S	S	S	S	321	1.8	1 331
Truck and water	S	S	S	S	S	S	3 228
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	11	.2	S	S	S	S	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	10 327	100.0	258	100.0	222	100.0	1 122
Single modes	3 947	38.2	172	66.7	164	73.7	176
Truck ¹	3 455	33.5	169	65.4	159	71.5	94
For-hire truck	2 005	19.4	105	40.7	153	68.9	S
Private truck	1 449	14.0	64	24.7	S	S	S
Rail	S	S	S	S	S	S	951
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 614
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	6 248	60.5	66	25.5	49	22.2	1 209
Parcel, U.S. Postal Service or courier	6 248	60.5	65	25.3	49	22.2	1 209
Truck and rail	S	S	S	S	S	S	54
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	148

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	1 653	100.0	9 765	100.0	6 180	100.0	185
Single modes	1 633	98.8	9 725	99.6	6 176	99.9	209
Truck ¹	1 103	66.7	5 809	59.5	1 671	27.0	135
For-hire truck	397	24.0	2 265	23.2	1 050	17.0	462
Private truck	706	42.7	3 543	36.3	621	10.1	72
Rail	530	32.0	3 916	40.1	4 505	72.9	1 156
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	230
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	230
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	20	1.2	40	.4	4	—	74
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	8 944	100.0	3 182	100.0	1 916	100.0	506
Single modes	8 154	91.2	2 942	92.5	1 682	87.8	143
Truck ¹	8 121	90.8	2 872	90.3	1 639	85.6	129
For-hire truck	5 385	60.2	1 823	57.3	1 502	78.4	458
Private truck	2 716	30.4	1 041	32.7	134	7.0	38
Rail	12	.1	32	1.0	S	S	1 188
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	12	.1	1	—	S	S	1 824
Pipeline ²	9	.1	37	1.2	S	S	S
Multiple modes	637	7.1	119	3.7	142	7.4	992
Parcel, U.S. Postal Service or courier	601	6.7	46	1.4	34	1.8	992
Truck and rail	37	.4	73	2.3	108	5.6	1 253
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	153	1.7	S	S	S	S	S
SCTG 24, PLASTICS AND RUBBER							
Total	6 555	100.0	1 756	100.0	726	100.0	383
Single modes	4 967	75.8	1 640	93.4	680	93.6	104
Truck ¹	4 878	74.4	1 629	92.8	666	91.7	91
For-hire truck	2 259	34.5	754	42.9	540	74.4	543
Private truck	2 563	39.1	780	44.4	115	15.8	43
Rail	S	S	S	S	S	S	1 296
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	70	1.1	4	.2	4	.6	1 508
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 246	19.0	47	2.7	36	4.9	808
Parcel, U.S. Postal Service or courier	1 246	19.0	47	2.7	35	4.9	808
Truck and rail	S	S	S	S	S	S	1 853
Truck and water	S	S	S	S	S	S	2 646
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	343	5.2	69	3.9	S	S	34

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	716	100.0	15 600	100.0	1 178	100.0	S
Single modes	696	97.2	15 010	96.2	1 139	96.7	S
Truck ¹	681	95.2	14 872	95.3	1 070	90.9	S
For-hire truck	254	35.6	S	S	498	42.3	S
Private truck	S	S	S	S	S	S	S
Rail	14	2.0	138	.9	69	5.9	498
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	317
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	309
Truck and rail	S	S	S	S	S	S	1 116
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 26, WOOD PRODUCTS							
Total	8 066	100.0	14 027	100.0	9 032	100.0	280
Single modes	7 738	95.9	13 366	95.3	8 546	94.6	196
Truck ¹	6 390	79.2	10 331	73.7	3 396	37.6	175
For-hire truck	2 470	30.6	5 098	36.3	2 800	31.0	753
Private truck	3 911	48.5	5 218	37.2	584	6.5	68
Rail	1 339	16.6	3 034	21.6	5 149	57.0	1 683
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 011
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	146	1.8	154	1.1	195	2.2	831
Parcel, U.S. Postal Service or courier	86	1.1	7	—	6	—	831
Truck and rail	61	.8	147	1.1	190	2.1	809
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	181	2.2	S	S	S	S	S
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	1 987	100.0	1 887	100.0	1 141	100.0	172
Single modes	1 719	86.5	1 676	88.8	1 052	92.3	110
Truck ¹	1 497	75.3	1 130	59.9	467	41.0	105
For-hire truck	662	33.3	653	34.6	405	35.5	320
Private truck	834	42.0	477	25.3	S	S	39
Rail	223	11.2	546	28.9	585	51.3	1 163
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 061
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	208	10.5	S	S	S	S	541
Parcel, U.S. Postal Service or courier	40	2.0	9	.5	3	.2	542
Truck and rail	S	S	S	S	S	S	503
Truck and water	S	S	S	S	S	S	399
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	27	1.4	S	S	28

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	3 431	100.0	2 256	100.0	850	100.0	579
Single modes	3 133	91.3	2 143	95.0	777	91.3	114
Truck ¹	3 010	87.7	2 002	88.7	600	70.6	99
For-hire truck	1 852	54.0	1 172	52.0	527	62.0	285
Private truck	1 139	33.2	812	36.0	61	7.2	42
Rail	S	S	S	S	S	S	1 392
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 708
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	239	7.0	77	3.4	64	7.6	1 092
Parcel, U.S. Postal Service or courier	182	5.3	30	1.3	21	2.5	1 092
Truck and rail	S	S	S	S	S	S	784
Truck and water	S	S	S	S	S	S	2 060
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	59	1.7	S	S	S	S	S
SCTG 29, PRINTED PRODUCTS							
Total	8 593	100.0	2 603	100.0	504	100.0	419
Single modes	5 003	58.2	2 177	83.7	331	65.7	S
Truck ¹	4 712	54.8	2 152	82.7	289	57.3	48
For-hire truck	1 405	16.4	409	15.7	215	42.7	298
Private truck	3 261	37.9	1 738	66.8	72	14.4	29
Rail	S	S	S	S	S	S	1 486
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	28	5.5	1 547
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3 065	35.7	248	9.5	146	29.0	482
Parcel, U.S. Postal Service or courier	3 065	35.7	248	9.5	146	28.9	482
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	3 263
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	525	6.1	178	6.8	S	S	381
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	7 398	100.0	714	100.0	327	100.0	1 287
Single modes	3 809	51.5	606	85.0	233	71.2	455
Truck ¹	3 749	50.7	605	84.8	230	70.5	295
For-hire truck	2 408	32.5	228	31.9	192	58.8	1 047
Private truck	1 327	17.9	376	52.7	38	11.6	47
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	60	.8	1	.2	2	.7	1 956
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3 349	45.3	86	12.0	92	28.1	1 419
Parcel, U.S. Postal Service or courier	3 349	45.3	86	12.0	92	28.1	1 419
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	240	3.2	S	S	2	.7	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	5 634	100.0	67 485	100.0	6 648	100.0	283
Single modes	5 268	93.5	66 149	98.0	5 931	89.2	68
Truck ¹	4 896	86.9	63 050	93.4	3 407	51.3	52
For-hire truck	1 625	28.8	10 648	15.8	1 842	27.7	206
Private truck	3 264	57.9	52 375	77.6	1 564	23.5	31
Rail	267	4.7	3 027	4.5	2 411	36.3	981
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	105	1.9	72	.1	S	S	1 300
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	194	3.4	444	.7	207	3.1	1 059
Parcel, U.S. Postal Service or courier	139	2.5	S	S	S	S	1 064
Truck and rail	54	1.0	403	.6	183	2.8	S
Truck and water	S	S	S	S	S	S	3 104
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	704
Other and unknown modes	172	3.0	892	1.3	S	S	370
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	11 274	100.0	8 336	100.0	5 064	100.0	253
Single modes	10 695	94.9	7 986	95.8	4 812	95.0	134
Truck ¹	6 773	60.1	5 377	64.5	1 921	37.9	117
For-hire truck	4 417	39.2	3 366	40.4	1 744	34.4	523
Private truck	2 326	20.6	2 000	24.0	173	3.4	46
Rail	3 865	34.3	2 595	31.1	2 868	56.6	1 164
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	56	.5	S	S	S	S	1 753
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	328	2.9	89	1.1	115	2.3	885
Parcel, U.S. Postal Service or courier	231	2.0	10	.1	7	.1	884
Truck and rail	96	.8	77	.9	102	2.0	1 453
Truck and water	S	S	S	S	S	S	3 184
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	251	2.2	261	3.1	137	2.7	68
SCTG 33, ARTICLES OF BASE METAL							
Total	8 467	100.0	3 763	100.0	1 514	100.0	291
Single modes	6 931	81.9	3 382	89.9	1 272	84.1	118
Truck ¹	6 608	78.0	2 948	78.3	905	59.8	94
For-hire truck	3 093	36.5	1 299	34.5	774	51.2	628
Private truck	3 498	41.3	1 644	43.7	130	8.6	36
Rail	S	S	386	10.2	S	S	519
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	162	1.9	S	S	S	S	1 470
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	989	11.7	54	1.4	64	4.2	788
Parcel, U.S. Postal Service or courier	952	11.2	34	.9	26	1.7	787
Truck and rail	S	S	S	S	S	S	1 579
Truck and water	S	S	S	S	S	S	2 863
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	547	6.5	328	8.7	178	11.7	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	13 290	100.0	1 350	100.0	768	100.0	252
Single modes	10 949	82.4	1 199	88.8	682	88.8	205
Truck ¹	10 262	77.2	1 185	87.8	658	85.7	131
For-hire truck	5 469	41.1	664	49.2	579	75.4	774
Private truck	4 767	35.9	520	38.5	79	10.3	43
Rail	S	S	S	S	S	S	2 078
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	625	4.7	8	.6	10	1.3	1 485
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 284	9.7	44	3.2	50	6.5	492
Parcel, U.S. Postal Service or courier	1 208	9.1	34	2.5	19	2.5	490
Truck and rail	S	S	S	S	S	S	2 153
Truck and water	S	S	S	S	S	S	3 198
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 057	8.0	107	7.9	36	4.7	63
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	57 655	100.0	1 256	100.0	800	100.0	930
Single modes	30 672	53.2	984	78.4	501	62.6	384
Truck ¹	18 014	31.2	929	73.9	414	51.8	145
For-hire truck	13 166	22.8	392	31.2	329	41.1	657
Private truck	4 844	8.4	536	42.7	S	S	35
Rail	30	—	8	.7	S	S	1 400
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	12 628	21.9	47	3.8	76	9.5	1 568
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	24 964	43.3	203	16.2	280	35.0	1 240
Parcel, U.S. Postal Service or courier	24 955	43.3	200	15.9	277	34.6	1 240
Truck and rail	S	S	S	S	S	S	1 929
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 019	3.5	69	5.5	20	2.4	375
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	12 467	100.0	1 431	100.0	1 136	100.0	278
Single modes	10 579	84.9	1 275	89.1	1 063	93.6	167
Truck ¹	10 177	81.6	1 254	87.6	1 034	91.0	81
For-hire truck	7 708	61.8	864	60.4	967	85.2	519
Private truck	2 456	19.7	389	27.2	66	5.8	34
Rail	S	S	S	S	S	S	563
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	356	2.9	15	1.0	24	2.1	1 610
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 088	8.7	52	3.6	35	3.0	648
Parcel, U.S. Postal Service or courier	977	7.8	44	3.1	28	2.5	649
Truck and rail	S	S	S	S	S	S	526
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	3
Other and unknown modes	800	6.4	104	7.3	38	3.4	44

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	6 770	100.0	S	S	151	100.0	548
Single modes	5 361	79.2	S	S	144	95.5	955
Truck ¹	2 377	35.1	S	S	64	42.5	612
For-hire truck	1 604	23.7	S	S	63	42.0	805
Private truck	S	S	S	S	S	S	S
Rail	1 452	21.4	S	S	S	S	1 726
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 532	22.6	3	1.4	5	3.2	1 428
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 277	18.9	S	S	6	4.0	520
Parcel, U.S. Postal Service or courier	1 277	18.9	S	S	6	4.0	520
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	132	2.0	S	S	S	S	S
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	6 848	100.0	92	100.0	88	100.0	937
Single modes	4 164	60.8	67	73.3	63	71.9	587
Truck ¹	2 404	35.1	63	69.3	58	66.3	204
For-hire truck	1 620	23.7	45	49.1	48	55.3	792
Private truck	785	11.5	18	20.1	S	S	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 760	25.7	4	4.0	5	5.6	1 497
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 476	36.2	22	23.5	23	25.8	1 081
Parcel, U.S. Postal Service or courier	2 476	36.2	22	23.5	23	25.8	1 081
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	208	3.0	3	3.2	2	2.3	250
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	5 159	100.0	823	100.0	384	100.0	482
Single modes	4 737	91.8	778	94.6	335	87.0	159
Truck ¹	4 708	91.3	773	94.0	328	85.3	152
For-hire truck	1 325	25.7	269	32.7	297	77.3	894
Private truck	3 383	65.6	504	61.3	31	8.0	37
Rail	S	S	S	S	S	S	1 894
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 289
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	292	5.7	21	2.6	34	8.9	1 156
Parcel, U.S. Postal Service or courier	273	5.3	14	1.7	16	4.3	1 154
Truck and rail	S	S	S	S	S	S	2 299
Truck and water	S	S	S	S	S	S	3 001
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	130	2.5	23	2.8	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	21 104	100.0	3 416	100.0	1 324	100.0	888
Single modes	13 763	65.2	3 178	93.0	1 051	79.4	302
Truck ¹	12 338	58.5	3 154	92.3	1 017	76.8	212
For-hire truck	6 907	32.7	1 234	36.1	634	47.9	780
Private truck	5 384	25.5	S	S	S	S	73
Rail	S	S	S	S	S	S	352
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 369	6.5	9	.3	S	S	1 551
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	6 896	32.7	202	5.9	247	18.7	1 142
Parcel, U.S. Postal Service or courier	6 847	32.4	185	5.4	213	16.1	1 142
Truck and rail	48	.2	16	.5	S	S	2 226
Truck and water	S	S	S	S	S	S	2 809
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	446	2.1	36	1.1	25	1.9	S
SCTG 41, WASTE AND SCRAP							
Total	880	100.0	7 575	100.0	2 840	100.0	272
Single modes	785	89.2	7 487	98.8	2 743	96.6	258
Truck ¹	536	60.9	3 566	47.1	894	31.5	211
For-hire truck	455	51.6	3 043	40.2	833	29.3	344
Private truck	81	9.2	522	6.9	61	2.1	74
Rail	249	28.3	S	S	S	S	452
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 178
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 152
Truck and rail	S	S	S	S	S	S	1 180
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	5	.6	8	.1	2	—	273
SCTG 43, MIXED FREIGHT							
Total	6 916	100.0	3 365	100.0	475	100.0	233
Single modes	6 736	97.4	3 319	98.6	468	98.5	80
Truck ¹	6 732	97.3	3 319	98.6	468	98.5	80
For-hire truck	277	4.0	161	4.8	S	S	S
Private truck	6 440	93.1	3 154	93.7	371	78.1	69
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	384
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	3	.7	1 171
Parcel, U.S. Postal Service or courier	S	S	S	S	3	.7	1 171
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	128	1.8	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	1 123	100.0	1 754	100.0	S	S	507
Single modes	896	79.8	1 741	99.3	S	S	316
Truck ¹	794	70.7	1 647	93.9	115	40.7	267
For-hire truck	306	27.2	425	24.2	78	27.4	806
Private truck	488	43.5	S	S	38	13.3	84
Rail	S	S	S	S	S	S	1 716
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	—	—	—	—	1 770
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	173	15.4	4	.2	4	1.4	831
Parcel, U.S. Postal Service or courier	173	15.4	4	.2	4	1.4	831
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	9	.5	S	S	372

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	290 711	850 893	482 828
Less than 50 miles	87 993	330 521	6 713
50 to 99 miles	16 127	67 644	7 338
100 to 249 miles	25 147	66 275	14 659
250 to 499 miles	35 050	52 762	27 228
500 to 749 miles	30 150	109 510	102 356
750 to 999 miles	24 400	119 382	146 075
1,000 to 1,499 miles	33 999	92 223	150 067
1,500 to 1,999 miles	23 235	10 880	23 840
2,000 miles or more	14 611	1 697	4 551
SCTG 01, Live animals and live fish	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	—	—	—
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	2 038	15 888	6 600
Less than 50 miles	562	4 539	150
50 to 99 miles	140	1 249	121
100 to 249 miles	371	3 393	685
250 to 499 miles	391	3 031	1 783
500 to 749 miles	400	2 727	2 554
750 to 999 miles	81	543	664
1,000 to 1,499 miles	72	390	613
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	4 132	6 566	4 948
Less than 50 miles	1 561	2 008	37
50 to 99 miles	216	229	22
100 to 249 miles	393	485	99
250 to 499 miles	414	S	S
500 to 749 miles	305	660	513
750 to 999 miles	333	S	S
1,000 to 1,499 miles	412	772	1 248
1,500 to 1,999 miles	411	S	S
2,000 miles or more	87	132	349
SCTG 04, Animal feed and products of animal origin, n.e.c.	3 453	9 510	2 406
Less than 50 miles	1 582	5 521	143
50 to 99 miles	291	858	72
100 to 249 miles	453	957	207
250 to 499 miles	351	883	408
500 to 749 miles	287	618	513
750 to 999 miles	176	324	387
1,000 to 1,499 miles	150	192	292
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	70	194
SCTG 05, Meat, fish, seafood, and their preparations	8 411	2 991	1 842
Less than 50 miles	2 813	920	14
50 to 99 miles	398	147	13
100 to 249 miles	408	209	47
250 to 499 miles	1 041	416	189
500 to 749 miles	1 604	478	377
750 to 999 miles	765	297	324
1,000 to 1,499 miles	891	349	499
1,500 to 1,999 miles	410	138	266
2,000 miles or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	3 668	2 681	1 248
Less than 50 miles	1 301	908	17
50 to 99 miles	267	153	14
100 to 249 miles	578	379	74
250 to 499 miles	502	381	173
500 to 749 miles	326	348	270
750 to 999 miles	217	261	298
1,000 to 1,499 miles	299	171	236
1,500 to 1,999 miles	163	68	139
2,000 miles or more	15	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	14 522	20 560	6 149
Less than 50 miles	6 614	11 884	205
50 to 99 miles	887	1 607	153
100 to 249 miles	1 751	2 232	429
250 to 499 miles	1 528	1 612	760
500 to 749 miles	1 118	972	781
750 to 999 miles	665	529	587
1,000 to 1,499 miles	1 054	932	1 480
1,500 to 1,999 miles	771	681	1 466
2,000 miles or more	133	111	287

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	6 276	9 053	8 332
Less than 50 miles	3 260	2 631	48
50 to 99 miles	636	545	51
100 to 249 miles	391	300	63
250 to 499 miles	310	449	229
500 to 749 miles	478	1 071	1 077
750 to 999 miles	505	1 502	1 964
1,000 to 1,499 miles	400	1 402	2 521
1,500 to 1,999 miles	297	S	S
2,000 miles or more	—	—	—
SCTG 09, Tobacco products	775	29	S
Less than 50 miles	273	13	—
50 to 99 miles	95	6	1
100 to 249 miles	109	4	1
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	S	128	30
Less than 50 miles	S	72	2
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	4	3
750 to 999 miles	S	S	S
1,000 to 1,499 miles	1	4	6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	193	19 363	823
Less than 50 miles	S	16 328	256
50 to 99 miles	8	1 711	144
100 to 249 miles	9	904	174
250 to 499 miles	6	339	158
500 to 749 miles	3	45	43
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	4	6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 12, Gravel and crushed stone	568	82 583	2 978
Less than 50 miles	511	75 517	1 847
50 to 99 miles	28	4 260	421
100 to 249 miles	18	S	S
250 to 499 miles	S	501	222
500 to 749 miles	—	—	—
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	849	12 289	8 831
Less than 50 miles	125	S	S
50 to 99 miles	13	617	53
100 to 249 miles	87	1 331	328
250 to 499 miles	66	750	338
500 to 749 miles	161	1 701	1 477
750 to 999 miles	96	1 285	1 527
1,000 to 1,499 miles	216	2 171	3 446
1,500 to 1,999 miles	79	707	1 504
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	4 726	11 325	1 680
Less than 50 miles	865	S	25
50 to 99 miles	785	1 233	124
100 to 249 miles	1 047	1 241	287
250 to 499 miles	750	393	155
500 to 749 miles	S	S	S
750 to 999 miles	243	88	128
1,000 to 1,499 miles	185	S	S
1,500 to 1,999 miles	347	50	103
2,000 miles or more	246	S	S
SCTG 15, Coal	4 818	396 848	346 938
Less than 50 miles	1 148	66 426	1 053
50 to 99 miles	562	23 776	2 636
100 to 249 miles	355	22 854	5 615
250 to 499 miles	304	23 347	12 277
500 to 749 miles	727	81 999	76 950
750 to 999 miles	959	105 603	129 320
1,000 to 1,499 miles	727	70 530	113 472
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	9 119	31 136	5 393
Less than 50 miles	5 762	19 272	375
50 to 99 miles	1 033	3 424	354
100 to 249 miles	1 517	4 902	983
250 to 499 miles	244	830	328
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	4 082	18 509	2 735
Less than 50 miles	2 539	10 925	210
50 to 99 miles	570	2 630	264
100 to 249 miles	675	3 194	615
250 to 499 miles	168	823	477
500 to 749 miles	22	229	198
750 to 999 miles	S	384	S
1,000 to 1,499 miles	S	311	484
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	3 059	32 706	S
Less than 50 miles	1 240	6 380	123
50 to 99 miles	484	S	S
100 to 249 miles	559	4 104	1 025
250 to 499 miles	276	3 650	2 207
500 to 749 miles	221	5 246	5 503
750 to 999 miles	163	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	4 587	25 726	17 806
Less than 50 miles	1 039	7 469	333
50 to 99 miles	212	3 180	354
100 to 249 miles	466	2 746	601
250 to 499 miles	326	1 611	871
500 to 749 miles	652	4 149	4 103
750 to 999 miles	S	1 457	1 844
1,000 to 1,499 miles	881	3 014	4 946
1,500 to 1,999 miles	401	1 930	4 293
2,000 miles or more	104	S	S
SCTG 21, Pharmaceutical products	10 327	258	222
Less than 50 miles	2 759	73	1
50 to 99 miles	682	11	1
100 to 249 miles	975	23	5
250 to 499 miles	1 745	30	12
500 to 749 miles	576	S	S
750 to 999 miles	543	16	18
1,000 to 1,499 miles	1 464	50	80
1,500 to 1,999 miles	1 258	41	87
2,000 miles or more	325	4	9
SCTG 22, Fertilizers	1 653	9 765	6 180
Less than 50 miles	592	2 643	62
50 to 99 miles	92	492	49
100 to 249 miles	171	946	233
250 to 499 miles	215	1 372	707
500 to 749 miles	331	2 342	2 110
750 to 999 miles	107	1 002	1 193
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	8 944	3 182	1 916
Less than 50 miles	1 859	919	12
50 to 99 miles	395	157	15
100 to 249 miles	S	S	S
250 to 499 miles	670	243	105
500 to 749 miles	681	459	340
750 to 999 miles	754	171	197
1,000 to 1,499 miles	2 476	403	616
1,500 to 1,999 miles	855	231	458
2,000 miles or more	120	S	S
SCTG 24, Plastics and rubber	6 555	1 756	726
Less than 50 miles	2 783	694	12
50 to 99 miles	374	124	13
100 to 249 miles	622	217	49
250 to 499 miles	911	272	122
500 to 749 miles	590	187	147
750 to 999 miles	450	106	116
1,000 to 1,499 miles	473	95	142
1,500 to 1,999 miles	236	55	107
2,000 miles or more	117	7	17

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	716	15 600	1 178
Less than 50 miles	350	9 962	S
50 to 99 miles	176	3 574	339
100 to 249 miles	153	1 873	298
250 to 499 miles	19	138	72
500 to 749 miles	8	S	S
750 to 999 miles	7	13	14
1,000 to 1,499 miles	2	2	4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	8 066	14 027	9 032
Less than 50 miles	3 286	4 985	96
50 to 99 miles	550	1 045	103
100 to 249 miles	834	1 962	417
250 to 499 miles	612	1 390	657
500 to 749 miles	421	868	793
750 to 999 miles	462	821	1 101
1,000 to 1,499 miles	973	1 733	2 923
1,500 to 1,999 miles	619	840	1 880
2,000 miles or more	309	383	1 061
SCTG 27, Pulp, newsprint, paper, and paperboard	1 987	1 887	1 141
Less than 50 miles	794	447	7
50 to 99 miles	95	47	4
100 to 249 miles	213	249	61
250 to 499 miles	494	537	283
500 to 749 miles	138	143	116
750 to 999 miles	144	316	419
1,000 to 1,499 miles	58	100	142
1,500 to 1,999 miles	46	45	100
2,000 miles or more	S	S	S
SCTG 28, Paper or paperboard articles	3 431	2 256	850
Less than 50 miles	1 414	991	19
50 to 99 miles	165	153	14
100 to 249 miles	332	305	63
250 to 499 miles	446	286	144
500 to 749 miles	585	257	208
750 to 999 miles	225	135	S
1,000 to 1,499 miles	187	95	151
1,500 to 1,999 miles	67	26	53
2,000 miles or more	S	S	S
SCTG 29, Printed products	8 593	2 603	504
Less than 50 miles	3 950	1 920	36
50 to 99 miles	285	146	13
100 to 249 miles	300	108	22
250 to 499 miles	604	135	63
500 to 749 miles	999	114	93
750 to 999 miles	742	64	74
1,000 to 1,499 miles	838	61	87
1,500 to 1,999 miles	657	36	69
2,000 miles or more	218	19	49
SCTG 30, Textiles, leather, and articles of textiles or leather	7 398	714	327
Less than 50 miles	1 314	303	5
50 to 99 miles	346	79	5
100 to 249 miles	756	97	23
250 to 499 miles	1 095	66	30
500 to 749 miles	664	39	32
750 to 999 miles	592	29	31
1,000 to 1,499 miles	823	30	44
1,500 to 1,999 miles	1 090	44	90
2,000 miles or more	719	S	S
SCTG 31, Nonmetallic mineral products	5 634	67 485	6 648
Less than 50 miles	3 484	53 568	904
50 to 99 miles	556	4 957	492
100 to 249 miles	460	3 933	811
250 to 499 miles	397	2 827	1 368
500 to 749 miles	189	758	671
750 to 999 miles	186	451	546
1,000 to 1,499 miles	152	676	1 153
1,500 to 1,999 miles	160	248	526
2,000 miles or more	51	66	177
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	11 274	8 336	5 064
Less than 50 miles	3 456	2 900	56
50 to 99 miles	333	416	38
100 to 249 miles	1 139	842	162
250 to 499 miles	1 225	968	449
500 to 749 miles	1 912	1 415	1 207
750 to 999 miles	499	444	522
1,000 to 1,499 miles	1 512	812	1 339
1,500 to 1,999 miles	508	227	481
2,000 miles or more	S	S	S

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	8 467	3 763	1 514
Less than 50 miles	3 658	1 730	30
50 to 99 miles	490	275	24
100 to 249 miles	542	295	53
250 to 499 miles	888	356	161
500 to 749 miles	1 085	634	503
750 to 999 miles	647	229	257
1,000 to 1,499 miles	571	111	164
1,500 to 1,999 miles	415	63	130
2,000 miles or more	171	S	S
SCTG 34, Machinery	13 290	1 350	768
Less than 50 miles	4 524	455	9
50 to 99 miles	721	75	S
100 to 249 miles	1 596	202	41
250 to 499 miles	1 334	132	59
500 to 749 miles	1 155	120	96
750 to 999 miles	1 536	140	152
1,000 to 1,499 miles	1 130	115	162
1,500 to 1,999 miles	885	88	175
2,000 miles or more	411	22	65
SCTG 35, Electronic and other electrical equipment and components and office equipment	57 655	1 256	800
Less than 50 miles	6 668	430	7
50 to 99 miles	1 376	101	8
100 to 249 miles	1 071	76	16
250 to 499 miles	8 089	197	92
500 to 749 miles	8 032	98	74
750 to 999 miles	8 591	107	123
1,000 to 1,499 miles	9 050	91	136
1,500 to 1,999 miles	6 615	85	171
2,000 miles or more	8 162	70	174
SCTG 36, Motorized and other vehicles (including parts)	12 467	1 431	1 136
Less than 50 miles	2 260	338	8
50 to 99 miles	638	96	10
100 to 249 miles	1 222	159	34
250 to 499 miles	1 150	124	57
500 to 749 miles	1 754	206	165
750 to 999 miles	S	52	59
1,000 to 1,499 miles	2 974	S	S
1,500 to 1,999 miles	1 066	111	218
2,000 miles or more	S	12	29
SCTG 37, Transportation equipment, n.e.c.	6 770	S	151
Less than 50 miles	1 297	S	S
50 to 99 miles	80	S	S
100 to 249 miles	77	S	S
250 to 499 miles	637	17	8
500 to 749 miles	834	S	S
750 to 999 miles	280	4	4
1,000 to 1,499 miles	1 199	S	S
1,500 to 1,999 miles	2 081	18	43
2,000 miles or more	286	3	7
SCTG 38, Precision instruments and apparatus	6 848	92	88
Less than 50 miles	1 094	16	—
50 to 99 miles	81	1	—
100 to 249 miles	263	5	1
250 to 499 miles	853	10	5
500 to 749 miles	879	21	16
750 to 999 miles	834	14	15
1,000 to 1,499 miles	1 522	10	15
1,500 to 1,999 miles	964	10	20
2,000 miles or more	358	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	5 159	823	384
Less than 50 miles	3 109	457	8
50 to 99 miles	223	29	3
100 to 249 miles	308	63	14
250 to 499 miles	281	54	26
500 to 749 miles	280	54	43
750 to 999 miles	209	35	38
1,000 to 1,499 miles	321	55	82
1,500 to 1,999 miles	277	51	106
2,000 miles or more	151	26	65
SCTG 40, Miscellaneous manufactured products	21 104	3 416	1 324
Less than 50 miles	3 742	1 130	25
50 to 99 miles	973	S	S
100 to 249 miles	2 048	S	132
250 to 499 miles	5 669	569	265
500 to 749 miles	1 850	278	224
750 to 999 miles	1 835	142	155
1,000 to 1,499 miles	1 987	153	228
1,500 to 1,999 miles	2 052	100	197
2,000 miles or more	949	24	64

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	880	7 575	2 840
Less than 50 miles	147	S	10
50 to 99 miles	44	S	S
100 to 249 miles	S	1 389	283
250 to 499 miles	122	S	S
500 to 749 miles	82	491	463
750 to 999 miles	S	179	219
1,000 to 1,499 miles	126	169	266
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 43, Mixed freight	6 916	3 365	475
Less than 50 miles	3 672	1 850	36
50 to 99 miles	795	426	42
100 to 249 miles	1 463	679	142
250 to 499 miles	572	244	98
500 to 749 miles	322	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
Commodity unknown	1 123	1 754	S
Less than 50 miles	385	S	S
50 to 99 miles	34	15	2
100 to 249 miles	50	S	S
250 to 499 miles	241	S	22
500 to 749 miles	95	19	S
750 to 999 miles	52	S	S
1,000 to 1,499 miles	89	S	S
1,500 to 1,999 miles	159	S	S
2,000 miles or more	19	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	290 711	850 893	482 828
Less than 50 lb	56 841	1 489	609
50 to 99 lb	14 868	784	251
100 to 499 lb	37 363	4 071	809
500 to 749 lb	11 309	1 904	346
750 to 999 lb	7 221	1 578	244
1,000 to 9,999 lb	51 358	26 875	4 530
10,000 to 49,999 lb	69 585	181 971	36 002
50,000 to 99,999 lb	17 585	136 686	17 212
100,000 lb or more	24 581	495 534	422 825
SCTG 01, Live animals and live fish	S	S	S
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	—	—	—
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	2 038	15 888	6 600
Less than 50 lb	S	S	S
50 to 99 lb	1	—	—
100 to 499 lb	3	11	S
500 to 749 lb	S	S	—
750 to 999 lb	S	S	S
1,000 to 9,999 lb	53	202	S
10,000 to 49,999 lb	221	1 205	164
50,000 to 99,999 lb	788	7 333	1 249
100,000 lb or more	962	7 109	5 174
SCTG 03, Other agricultural products	4 132	6 566	4 948
Less than 50 lb	33	7	1
50 to 99 lb	34	16	1
100 to 499 lb	302	197	15
500 to 749 lb	130	103	9
750 to 999 lb	85	77	S
1,000 to 9,999 lb	1 095	1 313	S
10,000 to 49,999 lb	2 246	4 415	3 951
50,000 to 99,999 lb	95	191	108
100,000 lb or more	112	247	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	3 453	9 510	2 406
Less than 50 lb	S	8	S
50 to 99 lb	S	S	S
100 to 499 lb	S	177	S
500 to 749 lb	S	S	7
750 to 999 lb	30	43	1
1,000 to 9,999 lb	463	869	74
10,000 to 49,999 lb	2 259	5 759	1 392
50,000 to 99,999 lb	244	1 442	155
100,000 lb or more	168	1 104	768
SCTG 05, Meat, fish, seafood, and their preparations	8 411	2 991	1 842
Less than 50 lb	217	23	S
50 to 99 lb	151	25	1
100 to 499 lb	744	172	8
500 to 749 lb	184	55	3
750 to 999 lb	103	30	3
1,000 to 9,999 lb	1 722	581	169
10,000 to 49,999 lb	5 113	1 982	1 579
50,000 to 99,999 lb	81	62	S
100,000 lb or more	96	62	S
SCTG 06, Milled grain products and preparations, and bakery products	3 668	2 681	1 248
Less than 50 lb	37	6	S
50 to 99 lb	38	10	S
100 to 499 lb	S	126	14
500 to 749 lb	S	59	5
750 to 999 lb	88	40	5
1,000 to 9,999 lb	1 147	626	131
10,000 to 49,999 lb	1 729	1 520	992
50,000 to 99,999 lb	47	196	20
100,000 lb or more	20	98	77
SCTG 07, Other prepared foodstuffs and fats and oils	14 522	20 560	6 149
Less than 50 lb	S	S	S
50 to 99 lb	131	58	3
100 to 499 lb	662	395	27
500 to 749 lb	290	212	13
750 to 999 lb	332	214	17
1,000 to 9,999 lb	3 042	2 867	344
10,000 to 49,999 lb	7 613	11 455	3 443
50,000 to 99,999 lb	1 124	3 249	500
100,000 lb or more	995	1 756	1 792

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	6 276	9 053	8 332
Less than 50 lb	88	12	1
50 to 99 lb	61	22	1
100 to 499 lb	566	296	12
500 to 749 lb	248	167	5
750 to 999 lb	222	155	5
1,000 to 9,999 lb	2 081	1 708	66
10,000 to 49,999 lb	1 640	2 108	1 290
50,000 to 99,999 lb	230	416	S
100,000 lb or more	1 140	4 169	6 523
SCTG 09, Tobacco products	775	29	S
Less than 50 lb	S	S	S
50 to 99 lb	55	2	S
100 to 499 lb	199	8	1
500 to 749 lb	43	2	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	114	8	1
10,000 to 49,999 lb	—	—	—
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	S	128	30
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	—
500 to 749 lb	S	—	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	10	19	2
10,000 to 49,999 lb	S	69	17
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	193	19 363	823
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	3	S
500 to 749 lb	S	1	—
750 to 999 lb	S	S	S
1,000 to 9,999 lb	7	286	8
10,000 to 49,999 lb	86	9 649	324
50,000 to 99,999 lb	S	5 406	223
100,000 lb or more	S	4 018	267
SCTG 12, Gravel and crushed stone	568	82 583	2 978
Less than 50 lb	—	—	—
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	12	779	19
10,000 to 49,999 lb	335	42 591	1 711
50,000 to 99,999 lb	168	28 878	797
100,000 lb or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	849	12 289	8 831
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	7	5	—
500 to 749 lb	S	1	S
750 to 999 lb	S	1	S
1,000 to 9,999 lb	S	93	12
10,000 to 49,999 lb	272	3 076	1 896
50,000 to 99,999 lb	96	1 981	519
100,000 lb or more	419	7 131	6 403
SCTG 14, Metallic ores and concentrates	4 726	11 325	1 680
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	—
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	175	3	S
10,000 to 49,999 lb	1 134	636	241
50,000 to 99,999 lb	489	509	153
100,000 lb or more	2 521	10 177	1 285
SCTG 15, Coal	4 818	396 848	346 938
Less than 50 lb	—	—	—
50 to 99 lb	—	—	—
100 to 499 lb	—	—	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	37	2
10,000 to 49,999 lb	S	376	30
50,000 to 99,999 lb	223	13 325	1 119
100,000 lb or more	4 558	383 108	345 787

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	9 119	31 136	5 393
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	8	8	—
500 to 749 lb	7	18	S
750 to 999 lb	11	21	S
1,000 to 9,999 lb	849	1 603	177
10,000 to 49,999 lb	2 281	7 526	1 647
50,000 to 99,999 lb	4 820	17 405	S
100,000 lb or more	1 142	4 553	552
SCTG 18, Fuel oils	4 082	18 509	2 735
Less than 50 lb	S	S	S
50 to 99 lb	1	1	—
100 to 499 lb	6	13	—
500 to 749 lb	12	38	2
750 to 999 lb	9	33	2
1,000 to 9,999 lb	645	1 781	114
10,000 to 49,999 lb	921	3 806	515
50,000 to 99,999 lb	1 873	8 879	964
100,000 lb or more	614	3 957	1 137
SCTG 19, Coal and petroleum products, n.e.c.	3 059	32 706	S
Less than 50 lb	43	9	1
50 to 99 lb	S	9	S
100 to 499 lb	125	96	S
500 to 749 lb	S	41	1
750 to 999 lb	84	S	6
1,000 to 9,999 lb	312	597	35
10,000 to 49,999 lb	653	4 112	874
50,000 to 99,999 lb	779	6 858	1 370
100,000 lb or more	955	20 844	S
SCTG 20, Basic chemicals	4 587	25 726	17 806
Less than 50 lb	598	10	10
50 to 99 lb	28	9	—
100 to 499 lb	148	101	6
500 to 749 lb	83	74	3
750 to 999 lb	37	35	2
1,000 to 9,999 lb	622	427	77
10,000 to 49,999 lb	1 321	5 417	1 537
50,000 to 99,999 lb	225	5 280	1 009
100,000 lb or more	1 525	14 373	15 162
SCTG 21, Pharmaceutical products	10 327	258	222
Less than 50 lb	6 353	50	37
50 to 99 lb	839	14	7
100 to 499 lb	1 239	27	11
500 to 749 lb	69	5	S
750 to 999 lb	40	S	1
1,000 to 9,999 lb	1 092	72	19
10,000 to 49,999 lb	646	86	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 22, Fertilizers	1 653	9 765	6 180
Less than 50 lb	S	S	S
50 to 99 lb	S	1	S
100 to 499 lb	11	S	1
500 to 749 lb	5	6	—
750 to 999 lb	3	4	—
1,000 to 9,999 lb	154	547	25
10,000 to 49,999 lb	500	2 569	530
50,000 to 99,999 lb	411	2 682	1 277
100,000 lb or more	562	3 939	4 348
SCTG 23, Chemical products and preparations, n.e.c.	8 944	3 182	1 916
Less than 50 lb	588	35	14
50 to 99 lb	279	35	S
100 to 499 lb	921	112	27
500 to 749 lb	238	42	14
750 to 999 lb	151	34	9
1,000 to 9,999 lb	1 822	378	163
10,000 to 49,999 lb	4 813	2 087	1 605
50,000 to 99,999 lb	S	S	36
100,000 lb or more	S	76	38
SCTG 24, Plastics and rubber	6 555	1 756	726
Less than 50 lb	1 339	61	19
50 to 99 lb	442	49	11
100 to 499 lb	1 265	193	35
500 to 749 lb	358	66	15
750 to 999 lb	334	71	19
1,000 to 9,999 lb	1 707	673	211
10,000 to 49,999 lb	1 035	592	388
50,000 to 99,999 lb	11	S	S
100,000 lb or more	S	S	S

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	716	15 600	1 178
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	—	S
500 to 749 lb	S	S	S
750 to 999 lb	S	—	S
1,000 to 9,999 lb	14	29	3
10,000 to 49,999 lb	70	615	70
50,000 to 99,999 lb	613	14 811	1 030
100,000 lb or more	16	143	75
SCTG 26, Wood products	8 066	14 027	9 032
Less than 50 lb	132	12	5
50 to 99 lb	85	12	2
100 to 499 lb	393	109	S
500 to 749 lb	245	74	S
750 to 999 lb	114	50	3
1,000 to 9,999 lb	1 693	1 413	147
10,000 to 49,999 lb	3 161	5 677	2 295
50,000 to 99,999 lb	843	3 043	1 069
100,000 lb or more	1 400	3 637	5 458
SCTG 27, Pulp, newsprint, paper, and paperboard	1 987	1 887	1 141
Less than 50 lb	67	10	1
50 to 99 lb	64	15	2
100 to 499 lb	272	84	11
500 to 749 lb	99	43	4
750 to 999 lb	84	33	3
1,000 to 9,999 lb	541	318	58
10,000 to 49,999 lb	630	808	459
50,000 to 99,999 lb	39	68	54
100,000 lb or more	191	508	548
SCTG 28, Paper or paperboard articles	3 431	2 256	850
Less than 50 lb	199	20	11
50 to 99 lb	100	25	5
100 to 499 lb	348	116	17
500 to 749 lb	124	55	9
750 to 999 lb	110	49	7
1,000 to 9,999 lb	884	580	128
10,000 to 49,999 lb	1 512	1 199	494
50,000 to 99,999 lb	47	62	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	8 593	2 603	504
Less than 50 lb	3 159	281	111
50 to 99 lb	572	96	21
100 to 499 lb	1 218	190	42
500 to 749 lb	424	86	16
750 to 999 lb	218	61	13
1,000 to 9,999 lb	1 811	886	149
10,000 to 49,999 lb	1 096	937	151
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	7 398	714	327
Less than 50 lb	3 038	70	74
50 to 99 lb	329	16	9
100 to 499 lb	772	67	30
500 to 749 lb	293	29	15
750 to 999 lb	399	30	15
1,000 to 9,999 lb	1 589	165	80
10,000 to 49,999 lb	969	318	99
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	5 634	67 485	6 648
Less than 50 lb	225	14	5
50 to 99 lb	76	9	2
100 to 499 lb	284	95	S
500 to 749 lb	124	49	6
750 to 999 lb	57	29	3
1,000 to 9,999 lb	1 021	2 785	250
10,000 to 49,999 lb	2 728	48 442	2 785
50,000 to 99,999 lb	713	10 078	1 013
100,000 lb or more	404	5 983	2 567
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	11 274	8 336	5 064
Less than 50 lb	212	12	3
50 to 99 lb	92	14	2
100 to 499 lb	468	99	15
500 to 749 lb	147	54	9
750 to 999 lb	103	52	7
1,000 to 9,999 lb	1 601	887	154
10,000 to 49,999 lb	4 248	3 827	1 598
50,000 to 99,999 lb	379	549	178
100,000 lb or more	4 024	2 842	3 099

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	8 467	3 763	1 514
Less than 50 lb	1 060	48	12
50 to 99 lb	452	42	11
100 to 499 lb	1 316	234	42
500 to 749 lb	331	81	21
750 to 999 lb	201	66	16
1,000 to 9,999 lb	2 199	990	276
10,000 to 49,999 lb	2 187	1 594	717
50,000 to 99,999 lb	428	185	94
100,000 lb or more	291	524	S
SCTG 34, Machinery	13 290	1 350	768
Less than 50 lb	2 561	48	14
50 to 99 lb	651	27	7
100 to 499 lb	2 141	157	48
500 to 749 lb	632	53	28
750 to 999 lb	476	45	20
1,000 to 9,999 lb	3 181	356	179
10,000 to 49,999 lb	3 059	495	296
50,000 to 99,999 lb	451	111	S
100,000 lb or more	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	57 655	1 256	800
Less than 50 lb	24 374	173	144
50 to 99 lb	6 887	89	65
100 to 499 lb	12 654	273	163
500 to 749 lb	2 832	75	54
750 to 999 lb	1 729	52	27
1,000 to 9,999 lb	7 323	383	205
10,000 to 49,999 lb	1 855	206	142
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	12 467	1 431	1 136
Less than 50 lb	1 414	65	19
50 to 99 lb	454	34	13
100 to 499 lb	1 261	108	31
500 to 749 lb	462	57	15
750 to 999 lb	S	29	9
1,000 to 9,999 lb	2 399	270	196
10,000 to 49,999 lb	5 630	822	843
50,000 to 99,999 lb	62	25	S
100,000 lb or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	6 770	S	151
Less than 50 lb	1 459	6	4
50 to 99 lb	646	S	4
100 to 499 lb	1 288	8	7
500 to 749 lb	S	2	S
750 to 999 lb	34	S	S
1,000 to 9,999 lb	S	29	28
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	1 497	S	S
SCTG 38, Precision instruments and apparatus	6 848	92	88
Less than 50 lb	3 337	13	12
50 to 99 lb	745	7	6
100 to 499 lb	1 425	18	14
500 to 749 lb	258	5	3
750 to 999 lb	99	S	2
1,000 to 9,999 lb	785	24	25
10,000 to 49,999 lb	200	20	26
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	5 159	823	384
Less than 50 lb	289	14	10
50 to 99 lb	220	18	5
100 to 499 lb	1 569	171	24
500 to 749 lb	513	S	9
750 to 999 lb	289	40	11
1,000 to 9,999 lb	1 538	298	135
10,000 to 49,999 lb	721	209	180
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	21 104	3 416	1 324
Less than 50 lb	4 926	96	78
50 to 99 lb	1 152	62	S
100 to 499 lb	4 427	190	128
500 to 749 lb	1 374	58	37
750 to 999 lb	751	34	18
1,000 to 9,999 lb	3 333	432	219
10,000 to 49,999 lb	3 284	1 252	524
50,000 to 99,999 lb	S	S	S
100,000 lb or more	61	S	S

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	880	7 575	2 840
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	1	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	26	67	7
10,000 to 49,999 lb	543	1 721	708
50,000 to 99,999 lb	73	S	355
100,000 lb or more	233	S	S
SCTG 43, Mixed freight	6 916	3 365	475
Less than 50 lb	210	17	S
50 to 99 lb	93	23	1
100 to 499 lb	553	183	13
500 to 749 lb	293	125	10
750 to 999 lb	173	81	8
1,000 to 9,999 lb	3 154	1 411	216
10,000 to 49,999 lb	2 322	1 438	209
50,000 to 99,999 lb	108	82	10
100,000 lb or more	S	S	S
Commodity unknown	1 123	1 754	S
Less than 50 lb	193	3	2
50 to 99 lb	82	3	S
100 to 499 lb	135	13	4
500 to 749 lb	S	9	2
750 to 999 lb	S	S	S
1,000 to 9,999 lb	353	82	21
10,000 to 49,999 lb	171	S	S
50,000 to 99,999 lb	S	S	20
100,000 lb or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	290 711	850 893	482 828	534	87 993	330 521	6 713	16 127	67 644	7 338
Less than 50 lb	56 841	1 489	609	613	10 903	920	15	2 055	56	5
50 to 99 lb	14 868	784	251	315	3 941	492	8	535	51	5
100 to 499 lb	37 363	4 071	809	204	12 207	2 748	48	1 754	312	29
500 to 749 lb	11 309	1 904	346	181	4 445	1 333	26	440	141	13
750 to 999 lb	7 221	1 578	244	153	2 506	1 099	20	279	114	11
1,000 to 9,999 lb	51 358	26 875	4 530	168	21 053	18 505	356	3 071	2 106	202
10,000 to 49,999 lb	69 585	181 971	36 002	185	19 746	125 829	2 652	3 922	11 241	1 057
50,000 to 99,999 lb	17 585	136 686	17 212	125	8 453	84 783	2 253	2 342	21 689	2 179
100,000 lb or more	24 581	495 534	422 825	771	4 740	94 813	1 337	1 730	31 935	3 836
SCTG 01, Live animals and live fish	S	S	S	256	S	S	S	S	S	S
Less than 50 lb	S	S	S	23	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	123	—	—	—	S	S	S
500 to 749 lb	S	S	S	58	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	12	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	1 029	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	848	—	—	—	—	—	—
100,000 lb or more	S	S	S	556	—	—	—	—	—	—
SCTG 02, Cereal grains	2 038	15 888	6 600	146	562	4 539	150	140	1 249	121
Less than 50 lb	S	S	S	1 583	—	—	—	S	S	S
50 to 99 lb	1	S	—	S	S	S	S	—	—	—
100 to 499 lb	3	11	S	118	2	10	S	—	—	—
500 to 749 lb	S	S	—	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	53	202	S	67	40	185	3	S	S	S
10,000 to 49,999 lb	221	1 205	164	95	114	784	18	13	78	7
50,000 to 99,999 lb	788	7 333	1 249	175	292	2 684	100	92	868	73
100,000 lb or more	962	7 109	5 174	693	S	S	S	S	S	S
SCTG 03, Other agricultural products	4 132	6 566	4 948	178	1 561	2 008	37	216	229	22
Less than 50 lb	33	7	1	213	20	5	—	4	—	—
50 to 99 lb	34	16	1	S	24	12	—	2	1	—
100 to 499 lb	302	197	15	S	173	138	2	23	20	2
500 to 749 lb	130	103	9	S	80	69	1	S	S	1
750 to 999 lb	85	77	S	104	62	58	1	S	S	S
1,000 to 9,999 lb	1 095	1 313	S	227	649	785	10	S	S	S
10,000 to 49,999 lb	2 246	4 415	3 951	823	490	859	21	35	74	7
50,000 to 99,999 lb	95	191	108	495	57	64	1	S	S	S
100,000 lb or more	112	247	S	1 930	S	18	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	3 453	9 510	2 406	S	1 582	5 521	143	291	858	72
Less than 50 lb	S	8	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	177	S	S	125	157	S	S	S	S
500 to 749 lb	S	S	7	S	S	S	S	S	S	S
750 to 999 lb	30	43	1	S	26	41	—	S	S	S
1,000 to 9,999 lb	463	869	74	72	295	658	18	S	69	6
10,000 to 49,999 lb	2 259	5 759	1 392	187	886	3 337	83	206	625	53
50,000 to 99,999 lb	244	1 442	155	111	S	936	30	23	151	12
100,000 lb or more	168	1 104	768	894	16	S	S	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	8 411	2 991	1 842	76	2 813	920	14	398	147	13
Less than 50 lb	217	23	S	34	197	21	S	7	1	—
50 to 99 lb	151	25	1	36	134	21	S	13	3	—
100 to 499 lb	744	172	8	44	641	138	2	55	18	2
500 to 749 lb	184	55	3	57	152	44	1	16	6	—
750 to 999 lb	103	30	3	95	72	18	—	S	5	—
1,000 to 9,999 lb	1 722	581	169	187	820	260	3	204	74	7
10,000 to 49,999 lb	5 113	1 982	1 579	734	723	371	7	86	41	3
50,000 to 99,999 lb	81	62	S	356	48	39	S	—	—	—
100,000 lb or more	96	62	S	968	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	3 668	2 681	1 248	217	1 301	908	17	267	153	14
Less than 50 lb	37	6	S	380	19	3	—	2	—	—
50 to 99 lb	38	10	S	270	18	6	—	S	1	—
100 to 499 lb	S	126	14	115	S	87	1	31	11	1
500 to 749 lb	S	59	5	75	S	42	S	S	5	1
750 to 999 lb	88	40	5	123	35	19	—	S	8	1
1,000 to 9,999 lb	1 147	626	131	188	441	249	5	124	72	7
10,000 to 49,999 lb	1 729	1 520	992	579	344	349	7	66	S	S
50,000 to 99,999 lb	47	196	20	101	S	S	S	—	—	—
100,000 lb or more	20	98	77	781	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	14 522	20 560	6 149	S	6 614	11 884	205	887	1 607	153
Less than 50 lb	S	S	S	S	S	S	S	8	2	—
50 to 99 lb	131	58	3	47	108	48	1	11	5	—
100 to 499 lb	662	395	27	64	442	294	5	65	42	4
500 to 749 lb	290	212	13	61	220	164	3	28	17	2
750 to 999 lb	332	214	17	76	248	152	3	19	10	1
1,000 to 9,999 lb	3 042	2 867	344	115	1 733	2 030	35	264	225	22
10,000 to 49,999 lb	7 613	11 455	3 443	258	2 605	5 832	112	405	1 067	93
50,000 to 99,999 lb	1 124	3 249	500	S	739	2 559	32	S	S	S
100,000 lb or more	995	1 756	1 792	1 314	S	S	S	—	—	—
SCTG 08, Alcoholic beverages	6 276	9 053	8 332	62	3 260	2 631	48	636	545	51
Less than 50 lb	88	12	1	56	70	9	—	11	2	—
50 to 99 lb	61	22	1	41	50	18	—	6	2	—
100 to 499 lb	566	296	12	43	430	243	5	75	31	3
500 to 749 lb	248	167	5	32	202	143	3	37	19	2
750 to 999 lb	222	155	5	29	187	135	2	25	16	1
1,000 to 9,999 lb	2 081	1 708	66	35	1 639	1 460	26	233	165	17
10,000 to 49,999 lb	1 640	2 108	1 290	429	644	597	11	178	195	15
50,000 to 99,999 lb	230	416	S	1 061	S	S	S	S	S	S
100,000 lb or more	1 140	4 169	6 523	1 500	S	S	S	S	S	S
SCTG 09, Tobacco products	775	29	S	905	273	13	—	95	6	1
Less than 50 lb	S	S	S	967	45	1	S	S	S	S
50 to 99 lb	55	2	S	884	22	1	—	8	—	—
100 to 499 lb	199	8	1	148	121	5	—	27	1	—
500 to 749 lb	43	2	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	64	S	S	—	S	S	S
1,000 to 9,999 lb	114	8	1	92	62	4	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	128	30	S	S	72	2	S	S	S
Less than 50 lb	S	S	S	6	S	S	S	—	—	—
50 to 99 lb	S	S	S	66	S	S	S	—	—	—
100 to 499 lb	S	S	—	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	29	S	S	S	—	—	—
1,000 to 9,999 lb	10	19	2	S	S	17	—	S	S	S
10,000 to 49,999 lb	S	69	17	119	S	S	1	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	1 291	S	S	S	—	—	—
SCTG 11, Natural sands	193	19 363	823	S	S	16 328	256	8	1 711	144
Less than 50 lb	S	S	S	40	S	S	S	—	—	—
50 to 99 lb	S	S	S	32	S	S	S	—	—	—
100 to 499 lb	S	3	S	281	S	2	—	S	S	S
500 to 749 lb	S	1	—	16	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	7	286	8	S	5	241	4	S	S	S
10,000 to 49,999 lb	86	9 649	324	32	69	8 752	157	3	S	S
50,000 to 99,999 lb	S	5 406	223	S	S	4 403	64	3	591	51
100,000 lb or more	S	4 018	267	S	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	568	82 583	2 978	34	511	75 517	1 847	28	4 260	421
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	14	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	14	S	S	S	—	—	—
750 to 999 lb	S	S	S	19	S	S	S	—	—	—
1,000 to 9,999 lb	12	779	19	26	11	742	15	S	S	S
10,000 to 49,999 lb	335	42 591	1 711	37	301	38 576	994	14	1 635	154
50,000 to 99,999 lb	168	28 878	797	28	155	27 667	631	7	932	87
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	849	12 289	8 831	427	125	S	S	13	617	53
Less than 50 lb	S	S	S	213	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	7	5	—	S	S	4	—	S	S	S
500 to 749 lb	S	1	S	151	—	1	—	S	S	S
750 to 999 lb	S	1	S	250	S	S	S	S	S	S
1,000 to 9,999 lb	S	93	12	S	S	74	1	1	3	—
10,000 to 49,999 lb	272	3 076	1 896	560	27	645	16	4	S	S
50,000 to 99,999 lb	96	1 981	519	290	13	576	12	8	397	33
100,000 lb or more	419	7 131	6 403	1 359	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	4 726	11 325	1 680	309	865	S	25	785	1 233	124
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	89	S	S	S	S	S	S
100 to 499 lb	S	S	—	501	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	175	3	S	635	1	1	S	—	—	—
10,000 to 49,999 lb	1 134	636	241	417	126	90	S	170	16	S
50,000 to 99,999 lb	489	509	153	291	64	78	3	S	S	S
100,000 lb or more	2 521	10 177	1 285	242	671	S	10	S	S	S
SCTG 15, Coal	4 818	396 848	346 938	S	1 148	66 426	1 053	562	23 776	2 636
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	S	10	—	—	S	—	—	—
500 to 749 lb	S	S	S	12	S	S	S	—	—	—
750 to 999 lb	S	S	S	30	S	S	S	—	—	—
1,000 to 9,999 lb	S	37	2	42	S	32	1	S	S	S
10,000 to 49,999 lb	S	376	30	93	6	288	6	S	10	2
50,000 to 99,999 lb	223	13 325	1 119	84	145	7 114	276	S	S	S
100,000 lb or more	4 558	383 108	345 787	493	994	58 991	770	513	19 884	2 261
SCTG 17, Gasoline and aviation turbine fuel	9 119	31 136	5 393	136	5 762	19 272	375	1 033	3 424	354
Less than 50 lb	S	S	S	11	S	S	S	S	S	S
50 to 99 lb	S	S	S	15	S	S	S	—	—	—
100 to 499 lb	8	8	—	19	8	8	—	—	—	—
500 to 749 lb	7	18	S	57	7	16	S	—	—	—
750 to 999 lb	11	21	S	47	11	20	S	S	S	S
1,000 to 9,999 lb	849	1 603	177	84	648	1 195	33	68	104	10
10,000 to 49,999 lb	2 281	7 526	1 647	224	1 152	3 744	86	298	1 013	108
50,000 to 99,999 lb	4 820	17 405	S	180	3 378	11 835	230	607	2 105	221
100,000 lb or more	1 142	4 553	552	137	558	2 451	25	S	S	S
SCTG 18, Fuel oils	4 082	18 509	2 735	76	2 539	10 925	210	570	2 630	264
Less than 50 lb	S	S	S	41	S	S	S	—	—	—
50 to 99 lb	1	1	—	44	—	—	—	S	S	S
100 to 499 lb	6	13	—	22	6	13	—	S	S	S
500 to 749 lb	12	38	2	55	9	30	S	S	S	S
750 to 999 lb	9	33	2	53	7	24	—	S	S	S
1,000 to 9,999 lb	645	1 781	114	51	457	1 374	33	93	232	23
10,000 to 49,999 lb	921	3 806	515	130	604	2 246	62	110	520	55
50,000 to 99,999 lb	1 873	8 879	964	111	1 052	4 844	84	330	1 672	167
100,000 lb or more	614	3 957	1 137	473	402	2 393	30	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	3 059	32 706	S	92	1 240	6 380	123	484	S	S
Less than 50 lb	43	9	1	68	27	7	—	S	S	—
50 to 99 lb	S	9	S	101	S	7	—	S	S	S
100 to 499 lb	125	96	S	56	86	75	1	S	S	S
500 to 749 lb	S	41	1	24	S	S	1	S	2	—
750 to 999 lb	84	S	6	42	59	S	S	10	S	S
1,000 to 9,999 lb	312	597	35	38	239	518	11	18	22	2
10,000 to 49,999 lb	653	4 112	874	222	266	1 896	52	72	415	38
50,000 to 99,999 lb	779	6 858	1 370	210	309	2 581	50	76	599	67
100,000 lb or more	955	20 844	S	770	S	S	S	S	S	S
SCTG 20, Basic chemicals ..	4 587	25 726	17 806	923	1 039	7 469	333	212	3 180	354
Less than 50 lb	598	10	10	1 305	57	3	—	11	—	—
50 to 99 lb	28	9	—	S	20	8	—	S	S	S
100 to 499 lb	148	101	6	59	94	85	1	S	S	S
500 to 749 lb	83	74	3	36	69	66	1	S	3	—
750 to 999 lb	37	35	2	S	24	31	1	S	2	S
1,000 to 9,999 lb	622	427	77	138	242	301	6	31	39	4
10,000 to 49,999 lb	1 321	5 417	1 537	283	307	2 692	104	96	923	91
50,000 to 99,999 lb	225	5 280	1 009	184	30	1 904	121	48	1 639	S
100,000 lb or more	1 525	14 373	15 162	1 062	197	2 379	S	S	S	S
SCTG 21, Pharmaceutical products	10 327	258	222	1 122	2 759	73	1	682	11	1
Less than 50 lb	6 353	50	37	1 138	1 287	12	—	S	S	S
50 to 99 lb	839	14	7	504	S	S	—	30	1	—
100 to 499 lb	1 239	27	11	349	368	S	—	S	3	—
500 to 749 lb	69	5	S	682	S	S	S	S	S	S
750 to 999 lb	40	S	1	373	S	S	S	S	S	S
1,000 to 9,999 lb	1 092	72	19	256	S	S	S	S	2	S
10,000 to 49,999 lb	646	86	S	1 486	S	2	S	—	—	—
50,000 to 99,999 lb	S	S	S	8	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	1 653	9 765	6 180	185	592	2 643	62	92	492	49
Less than 50 lb	S	S	S	154	S	—	S	S	S	S
50 to 99 lb	S	1	S	S	1	1	—	S	S	S
100 to 499 lb	11	S	1	S	6	S	S	S	S	S
500 to 749 lb	5	6	—	59	3	4	—	S	S	S
750 to 999 lb	3	4	—	35	3	3	—	—	—	—
1,000 to 9,999 lb	154	547	25	57	136	506	11	5	14	1
10,000 to 49,999 lb	500	2 569	530	131	366	1 651	37	15	S	S
50,000 to 99,999 lb	411	2 682	1 277	504	69	410	12	42	221	23
100,000 lb or more	562	3 939	4 348	1 103	5	52	1	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	8 944	3 182	1 916	506	1 859	919	12	395	157	15
Less than 50 lb	588	35	14	602	194	19	—	29	2	—
50 to 99 lb	279	35	S	279	146	21	—	19	2	—
100 to 499 lb	921	112	27	245	495	60	1	S	S	S
500 to 749 lb	238	42	14	332	93	25	—	10	2	—
750 to 999 lb	151	34	9	285	78	19	—	S	S	S
1,000 to 9,999 lb	1 822	378	163	435	499	162	3	S	43	S
10,000 to 49,999 lb	4 813	2 087	1 605	681	324	324	S	57	35	3
50,000 to 99,999 lb	S	S	36	S	S	S	1	13	47	5
100,000 lb or more	S	76	38	407	5	19	—	S	S	S
SCTG 24, Plastics and rubber	6 555	1 756	726	383	2 783	694	12	374	124	13
Less than 50 lb	1 339	61	19	440	637	37	1	98	5	—
50 to 99 lb	442	49	11	225	234	30	—	24	S	S
100 to 499 lb	1 265	193	35	176	769	128	2	68	12	1
500 to 749 lb	358	66	15	238	179	40	1	20	6	1
750 to 999 lb	334	71	19	271	146	33	1	9	2	—
1,000 to 9,999 lb	1 707	673	211	299	666	326	6	81	37	4
10,000 to 49,999 lb	1 035	592	388	611	140	98	2	73	S	S
50,000 to 99,999 lb	11	S	S	1 088	—	—	—	S	S	S
100,000 lb or more	S	S	S	435	S	S	S	—	—	—
SCTG 25, Logs and other wood in the rough	716	15 600	1 178	S	350	9 962	S	176	3 574	339
Less than 50 lb	S	S	S	317	S	S	S	—	—	—
50 to 99 lb	S	S	S	78	S	S	—	—	—	—
100 to 499 lb	S	—	S	37	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	—	S	24	—	—	S	S	S	S
1,000 to 9,999 lb	14	29	3	S	S	S	S	S	S	S
10,000 to 49,999 lb	70	615	70	S	16	S	S	8	S	S
50,000 to 99,999 lb	613	14 811	1 030	S	319	9 619	S	167	3 400	321
100,000 lb or more	16	143	75	523	S	S	S	—	—	—
SCTG 26, Wood products	8 066	14 027	9 032	280	3 286	4 985	96	550	1 045	103
Less than 50 lb	132	12	5	405	54	6	—	7	1	—
50 to 99 lb	85	12	2	149	58	9	—	S	1	—
100 to 499 lb	393	109	S	238	185	62	1	40	12	1
500 to 749 lb	245	74	S	298	151	47	1	23	7	1
750 to 999 lb	114	50	3	71	78	37	1	16	7	1
1,000 to 9,999 lb	1 693	1 413	147	106	1 187	1 005	16	154	124	12
10,000 to 49,999 lb	3 161	5 677	2 295	311	1 305	2 525	51	249	524	51
50,000 to 99,999 lb	843	3 043	1 069	340	242	1 076	24	55	349	36
100,000 lb or more	1 400	3 637	5 458	1 530	26	S	3	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	1 987	1 887	1 141	172	794	447	7	95	47	4
Less than 50 lb	67	10	1	208	46	7	—	3	—	—
50 to 99 lb	64	15	2	136	39	9	—	5	1	—
100 to 499 lb	272	84	11	132	180	56	1	12	3	—
500 to 749 lb	99	43	4	104	72	33	1	S	3	S
750 to 999 lb	84	33	3	88	56	26	—	S	1	S
1,000 to 9,999 lb	541	318	58	151	272	194	3	38	25	2
10,000 to 49,999 lb	630	808	459	509	120	112	2	S	S	S
50,000 to 99,999 lb	39	68	54	742	S	S	S	—	—	—
100,000 lb or more	191	508	548	1 166	—	—	—	—	—	—
SCTG 28, Paper or paperboard articles	3 431	2 256	850	579	1 414	991	19	165	153	14
Less than 50 lb	199	20	11	820	80	10	—	7	1	—
50 to 99 lb	100	25	5	224	70	16	—	8	3	—
100 to 499 lb	348	116	17	160	213	80	1	25	7	1
500 to 749 lb	124	55	9	170	81	40	1	S	S	S
750 to 999 lb	110	49	7	133	70	35	—	4	3	—
1,000 to 9,999 lb	884	580	128	173	516	372	6	48	38	3
10,000 to 49,999 lb	1 512	1 199	494	374	354	404	10	64	92	8
50,000 to 99,999 lb	47	62	S	538	S	S	S	S	S	S
100,000 lb or more	S	S	S	985	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	8 593	2 603	504	419	3 950	1 920	36	285	146	13
Less than 50 lb	3 159	281	111	427	819	180	4	82	11	1
50 to 99 lb	572	96	21	228	286	73	1	16	2	—
100 to 499 lb	1 218	190	42	218	548	129	S	63	10	1
500 to 749 lb	424	86	16	189	S	S	S	S	S	S
750 to 999 lb	218	61	13	211	144	42	S	S	S	S
1,000 to 9,999 lb	1 811	886	149	217	972	609	13	85	72	7
10,000 to 49,999 lb	1 096	937	151	S	815	752	11	S	S	S
50,000 to 99,999 lb	S	S	S	4	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	7 398	714	327	1 287	1 314	303	5	346	79	5
Less than 50 lb	3 038	70	74	1 323	283	12	—	48	2	—
50 to 99 lb	329	16	9	564	94	7	—	16	1	—
100 to 499 lb	772	67	30	492	196	33	1	24	3	—
500 to 749 lb	293	29	15	526	67	13	—	S	S	—
750 to 999 lb	399	30	15	517	70	10	—	4	2	—
1,000 to 9,999 lb	1 589	165	80	507	199	43	1	105	22	2
10,000 to 49,999 lb	969	318	99	393	401	173	3	141	S	S
50,000 to 99,999 lb	S	S	S	663	S	S	S	S	S	S
100,000 lb or more	S	S	S	99	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	5 634	67 485	6 648	283	3 484	53 568	904	556	4 957	492
Less than 50 lb	225	14	5	755	79	S	—	10	1	—
50 to 99 lb	76	9	2	205	29	6	—	8	1	—
100 to 499 lb	284	95	S	193	141	51	1	19	S	1
500 to 749 lb	124	49	6	127	51	34	1	11	5	—
750 to 999 lb	57	29	3	100	35	22	—	S	S	S
1,000 to 9,999 lb	1 021	2 785	250	98	716	2 429	43	96	135	12
10,000 to 49,999 lb	2 728	48 442	2 785	55	2 004	43 432	671	168	1 635	150
50,000 to 99,999 lb	713	10 078	1 013	104	304	4 966	147	242	3 131	325
100,000 lb or more	404	5 983	2 567	378	124	2 620	41	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	11 274	8 336	5 064	253	3 456	2 900	56	333	416	38
Less than 50 lb	212	12	3	349	86	9	—	8	1	—
50 to 99 lb	92	14	2	113	53	11	—	S	1	—
100 to 499 lb	468	99	15	138	229	75	1	30	6	1
500 to 749 lb	147	54	9	160	90	38	1	3	3	—
750 to 999 lb	103	52	7	132	58	40	1	8	4	—
1,000 to 9,999 lb	1 601	887	154	170	1 076	611	10	67	58	6
10,000 to 49,999 lb	4 248	3 827	1 598	360	921	1 317	30	153	291	25
50,000 to 99,999 lb	379	549	178	336	141	232	5	S	S	S
100,000 lb or more	4 024	2 842	3 099	1 148	S	568	8	S	S	S
SCTG 33, Articles of base metal	8 467	3 763	1 514	291	3 658	1 730	30	490	275	24
Less than 50 lb	1 060	48	12	328	459	31	—	43	3	—
50 to 99 lb	452	42	11	285	208	29	—	12	1	—
100 to 499 lb	1 316	234	42	156	707	172	2	77	12	1
500 to 749 lb	331	81	21	258	154	49	1	20	8	1
750 to 999 lb	201	66	16	243	79	41	1	10	5	1
1,000 to 9,999 lb	2 199	990	276	264	1 156	592	10	107	78	7
10,000 to 49,999 lb	2 187	1 594	717	412	791	650	13	220	165	14
50,000 to 99,999 lb	428	185	94	462	S	S	1	S	S	S
100,000 lb or more	291	524	S	552	S	S	S	—	—	—
SCTG 34, Machinery	13 290	1 350	768	252	4 524	455	9	721	75	S
Less than 50 lb	2 561	48	14	232	1 122	27	—	130	4	—
50 to 99 lb	651	27	7	270	297	14	—	68	3	—
100 to 499 lb	2 141	157	48	282	890	91	1	117	9	1
500 to 749 lb	632	53	28	517	250	24	—	45	3	—
750 to 999 lb	476	45	20	432	207	25	1	S	2	S
1,000 to 9,999 lb	3 181	356	179	556	977	138	2	103	15	1
10,000 to 49,999 lb	3 059	495	296	611	646	118	3	S	S	S
50,000 to 99,999 lb	451	111	S	750	S	S	S	S	S	S
100,000 lb or more	S	S	S	1 648	—	—	—	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	57 655	1 256	800	930	6 668	430	7	1 376	101	8
Less than 50 lb	24 374	173	144	968	2 681	62	1	663	6	1
50 to 99 lb	6 887	89	65	700	840	37	1	113	4	—
100 to 499 lb	12 654	273	163	557	1 491	123	2	352	18	2
500 to 749 lb	2 832	75	54	704	517	33	1	45	5	—
750 to 999 lb	1 729	52	27	518	165	25	—	S	S	—
1,000 to 9,999 lb	7 323	383	205	607	911	127	2	122	21	2
10,000 to 49,999 lb	1 855	206	142	581	62	19	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	15	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	12 467	1 431	1 136	278	2 260	338	8	638	96	10
Less than 50 lb	1 414	65	19	262	643	41	1	116	4	—
50 to 99 lb	454	34	13	388	117	15	—	53	5	—
100 to 499 lb	1 261	108	31	275	354	39	1	131	13	1
500 to 749 lb	462	57	15	260	122	18	S	49	S	S
750 to 999 lb	S	29	9	300	81	8	—	43	8	1
1,000 to 9,999 lb	2 399	270	196	600	332	54	1	119	19	2
10,000 to 49,999 lb	5 630	822	843	914	566	149	4	99	16	2
50,000 to 99,999 lb	62	25	S	396	S	14	S	—	—	—
100,000 lb or more	S	S	S	89	—	—	—	S	S	S
SCTG 37, Transportation equipment, n.e.c.	6 770	S	151	548	1 297	S	S	80	S	S
Less than 50 lb	1 459	6	4	498	S	S	S	S	—	—
50 to 99 lb	646	S	4	896	S	S	S	S	S	S
100 to 499 lb	1 288	8	7	857	S	1	—	S	S	S
500 to 749 lb	S	2	S	993	S	S	S	S	S	S
750 to 999 lb	34	S	S	1 831	S	S	S	—	—	—
1,000 to 9,999 lb	S	29	28	966	49	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	353	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	154	S	S	S	—	—	—
100,000 lb or more	1 497	S	S	796	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	6 848	92	88	937	1 094	16	—	81	1	—
Less than 50 lb	3 337	13	12	954	407	3	—	58	—	—
50 to 99 lb	745	7	6	829	190	2	—	S	—	S
100 to 499 lb	1 425	18	14	715	272	5	—	S	S	—
500 to 749 lb	258	5	3	650	S	S	S	S	S	S
750 to 999 lb	99	S	2	371	S	S	S	—	—	—
1,000 to 9,999 lb	785	24	25	1 052	123	2	—	—	—	—
10,000 to 49,999 lb	200	20	26	1 284	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	5 159	823	384	482	3 109	457	8	223	29	3
Less than 50 lb	289	14	10	799	105	6	—	7	—	—
50 to 99 lb	220	18	5	261	132	11	—	S	S	S
100 to 499 lb	1 569	171	24	154	S	S	S	S	9	1
500 to 749 lb	513	S	9	S	S	S	S	S	S	S
750 to 999 lb	289	40	11	265	217	S	S	S	S	S
1,000 to 9,999 lb	1 538	298	135	372	805	164	3	50	9	1
10,000 to 49,999 lb	721	209	180	761	194	54	—	19	3	—
50,000 to 99,999 lb	S	S	S	2 812	—	—	—	—	—	—
100,000 lb or more	S	S	S	1 805	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	21 104	3 416	1 324	888	3 742	1 130	25	973	S	S
Less than 50 lb	4 926	96	78	918	783	26	—	131	3	—
50 to 99 lb	1 152	62	S	860	243	16	—	47	3	—
100 to 499 lb	4 427	190	128	730	769	72	1	57	7	1
500 to 749 lb	1 374	58	37	637	170	25	1	13	3	—
750 to 999 lb	751	34	18	515	97	15	—	6	1	—
1,000 to 9,999 lb	3 333	432	219	464	692	141	3	160	52	5
10,000 to 49,999 lb	3 284	1 252	524	460	558	346	8	S	S	S
50,000 to 99,999 lb	S	S	S	240	S	S	S	S	S	S
100,000 lb or more	61	S	S	228	S	S	S	—	—	—
SCTG 41, Waste and scrap .	880	7 575	2 840	272	147	S	10	44	S	S
Less than 50 lb	S	S	S	378	S	S	S	—	—	—
50 to 99 lb	S	S	S	18	S	S	S	—	—	—
100 to 499 lb	1	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	137	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	26	67	7	93	S	46	S	S	S	S
10,000 to 49,999 lb	543	1 721	708	352	57	256	6	S	197	S
50,000 to 99,999 lb	73	S	355	198	S	S	S	S	S	S
100,000 lb or more	233	S	S	420	S	S	S	S	S	S
SCTG 43, Mixed freight.....	6 916	3 365	475	233	3 672	1 850	36	795	426	42
Less than 50 lb	210	17	S	405	147	13	—	S	1	—
50 to 99 lb	93	23	1	S	71	17	—	11	2	—
100 to 499 lb	553	183	13	62	392	138	2	62	16	1
500 to 749 lb	293	125	10	S	208	92	1	17	6	1
750 to 999 lb	173	81	8	96	117	59	1	11	S	S
1,000 to 9,999 lb	3 154	1 411	216	146	1 607	755	16	279	120	13
10,000 to 49,999 lb	2 322	1 438	209	132	1 085	739	14	367	257	24
50,000 to 99,999 lb	108	82	10	135	S	S	S	34	20	3
100,000 lb or more	S	S	S	872	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	1 123	1 754	S	507	385	S	S	34	15	2
Less than 50 lb	193	3	2	663	18	1	—	4	—	—
50 to 99 lb	82	3	S	420	13	1	—	S	S	S
100 to 499 lb	135	13	4	280	58	8	—	3	1	—
500 to 749 lb	S	9	2	S	S	6	S	S	S	S
750 to 999 lb	S	S	S	354	S	S	S	—	—	—
1,000 to 9,999 lb	353	82	21	288	148	39	1	14	8	1
10,000 to 49,999 lb	171	S	S	S	77	S	S	S	S	S
50,000 to 99,999 lb	S	S	20	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	1 447	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	25 147	66 275	14 659	35 050	52 762	27 228	30 150	109 510	102 356	24 400	119 382	146 075
Less than 50 lb	3 178	78	17	6 301	81	38	5 458	68	55	6 384	73	82
50 to 99 lb	680	58	12	2 323	44	20	1 382	30	24	1 343	27	31
100 to 499 lb	2 319	411	84	6 089	207	90	4 714	103	81	3 003	78	89
500 to 749 lb	660	191	38	1 590	82	36	622	42	32	619	25	28
750 to 999 lb	518	177	35	1 080	84	36	799	34	25	453	22	24
1,000 to 9,999 lb	4 688	2 554	500	6 272	1 509	674	3 808	790	601	3 256	516	565
10,000 to 49,999 lb	7 588	15 656	3 168	8 050	9 933	4 592	8 413	6 464	5 017	6 740	4 241	4 696
50,000 to 99,999 lb	3 369	19 507	3 933	1 404	5 585	2 536	926	1 708	1 356	175	700	830
100,000 lb or more	2 148	27 644	6 872	1 940	35 238	19 205	4 028	100 270	95 163	2 427	113 699	139 730
SCTG 01, Live animals and live fish	—	—	—	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	371	3 393	685	391	3 031	1 783	400	2 727	2 554	81	543	664
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	23	179	36	S	S	S	8	30	21	S	S	S
50,000 to 99,999 lb	275	2 609	521	123	S	S	2	22	15	4	29	30
100,000 lb or more	S	S	S	227	1 793	1 216	389	2 674	2 518	73	508	627
SCTG 03, Other agricultural products	393	485	99	414	S	S	305	660	513	333	S	S
Less than 50 lb	S	S	S	2	—	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	2	1	5	1	—	S	—	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	12	12	2	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	121	85	17	45	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	160	318	66	338	S	S	230	530	414	303	529	566
50,000 to 99,999 lb	S	S	S	15	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	453	957	207	351	883	408	287	618	513	176	324	387
Less than 50 lb	S	—	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	2	2	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	97	111	S	6	7	3	S	S	S	8	S	S
10,000 to 49,999 lb	262	574	128	292	437	223	254	421	324	122	177	209
50,000 to 99,999 lb	S	S	S	20	S	S	7	33	26	S	S	S
100,000 lb or more	S	S	S	24	S	S	14	148	151	S	140	171
SCTG 05, Meat, fish, seafood, and their preparations	408	209	47	1 041	416	189	1 604	478	377	765	297	324
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	3	1	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	39	13	3	S	S	S	1	—	—	S	S	S
500 to 749 lb	S	S	1	S	S	S	S	S	S	S	S	S
750 to 999 lb	9	4	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	142	71	14	241	83	35	111	36	27	69	22	24
10,000 to 49,999 lb	192	115	S	745	306	142	1 471	427	337	695	276	300
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	578	379	74	502	381	173	326	348	270	217	261	298
Less than 50 lb	6	1	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	5	1	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	59	18	4	9	5	2	S	S	S	S	S	1
500 to 749 lb	S	S	2	4	3	2	S	S	S	—	—	—
750 to 999 lb	22	9	2	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	243	145	30	224	121	55	86	30	23	8	3	4
10,000 to 49,999 lb	211	177	33	240	204	93	220	244	183	200	249	286
50,000 to 99,999 lb	S	S	S	S	24	9	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	12	68	57	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	1 751	2 232	429	1 528	1 612	760	1 118	972	781	665	529	587
Less than 50 lb	8	2	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	8	4	1	2	1	—	1	—	—	S	S	S
100 to 499 lb	94	48	9	16	8	3	6	1	1	2	S	S
500 to 749 lb	S	S	S	6	S	S	S	1	1	S	S	S
750 to 999 lb	53	S	9	4	2	1	2	1	1	S	S	S
1,000 to 9,999 lb	408	343	64	328	142	60	127	54	42	S	31	36
10,000 to 49,999 lb	1 025	1 544	296	1 051	1 235	557	762	552	428	515	334	355
50,000 to 99,999 lb	133	217	47	54	73	35	S	S	S	—	—	—
100,000 lb or more	S	S	S	49	144	100	189	355	302	84	161	193
SCTG 08, Alcoholic beverages	391	300	63	310	449	229	478	1 071	1 077	505	1 502	1 964
Less than 50 lb	7	1	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	5	1	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	60	21	4	S	S	S	—	—	—	—	—	—
500 to 749 lb	8	4	1	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	4	1	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	147	64	12	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	96	114	26	160	224	114	205	323	256	192	308	345
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	69	S	S	S	S	S	283	1 117	1 523
SCTG 09, Tobacco products	109	4	1	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	8	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	30	1	—	S	S	S	—	—	—	—	—	—
500 to 749 lb	18	1	—	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	S	S	S	S	4	3	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	4	2	S	3	2	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	9	904	174	6	339	158	3	45	43	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	2	314	S	1	81	28	S	S	S	S	S	S
100,000 lb or more	S	74	21	5	251	127	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	18	S	S	S	501	222	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	4	183	40	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	87	1 331	328	66	750	338	161	1 701	1 477	96	1 285	1 527
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	1	1
10,000 to 49,999 lb	27	359	83	S	488	212	S	S	S	S	345	357
50,000 to 99,999 lb	43	482	77	13	216	102	13	S	S	1	18	20
100,000 lb or more	11	483	166	2	44	23	87	960	949	53	922	1 149

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	1 047	1 241	287	750	393	155	S	S	S	243	88	128
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	—	165	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	138	136	28	123	77	28	S	S	S	214	31	32
50,000 to 99,999 lb	S	377	88	S	S	S	S	S	S	—	—	—
100,000 lb or more	523	726	170	205	288	115	S	S	S	29	57	96
SCTG 15, Coal	355	22 854	5 615	304	23 347	12 277	727	81 999	76 950	959	105 603	129 320
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	1	53	12	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	27	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	326	20 578	5 193	301	23 212	12 208	701	81 997	76 949	959	105 603	129 320
SCTG 17, Gasoline and aviation turbine fuel	1 517	4 902	983	244	830	328	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	17	71	74
10,000 to 49,999 lb	540	1 589	284	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	421	1 508	296	75	319	133	S	S	S	—	—	—
100,000 lb or more	S	S	S	36	147	59	S	S	S	—	—	—
SCTG 18, Fuel oils	675	3 194	615	168	823	477	22	229	198	S	384	S
Less than 50 lb	—	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	140	23	S	S	S	S	S	S	4	20	20
10,000 to 49,999 lb	164	832	153	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	417	1 997	396	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	118	641	405	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	559	4 104	1 025	276	3 650	2 207	221	5 246	5 503	163	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	32	43	8	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	176	1 146	273	62	412	208	29	73	65	S	S	S
50,000 to 99,999 lb	266	2 464	632	92	1 057	434	S	S	S	S	S	S
100,000 lb or more	S	S	S	107	2 174	1 561	173	5 156	S	S	S	S
SCTG 20, Basic chemicals	466	2 746	601	326	1 611	871	652	4 149	4 103	S	1 457	1 844
Less than 50 lb	S	S	S	S	S	S	133	2	1	73	1	1
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	31	34	7	S	24	12	S	7	6	S	S	S
10,000 to 49,999 lb	173	761	175	82	335	147	133	193	172	S	104	117
50,000 to 99,999 lb	95	1 185	226	29	303	159	10	137	120	2	45	50
100,000 lb or more	109	753	190	83	942	551	321	3 810	3 804	126	1 299	1 668
SCTG 21, Pharmaceutical products	975	23	5	1 745	30	12	576	S	S	543	16	18
Less than 50 lb	691	6	2	904	7	3	352	3	2	370	3	3
50 to 99 lb	150	3	1	113	2	1	S	1	—	S	S	S
100 to 499 lb	79	3	1	S	3	1	S	1	1	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	17	1	1	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	12	5	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	171	946	233	215	1 372	707	331	2 342	2 110	107	1 002	1 193
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	13	3	5	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	30	147	29	46	337	157	25	159	125	6	S	S
50,000 to 99,999 lb	95	590	124	111	671	336	63	510	399	11	128	141
100,000 lb or more	35	195	77	50	356	211	241	1 671	1 583	90	815	987
SCTG 23, Chemical products and preparations, n.e.c.	S	S	S	670	243	105	681	459	340	754	171	197
Less than 50 lb	64	4	1	52	3	1	80	2	2	42	S	S
50 to 99 lb	30	3	—	21	2	1	6	1	—	S	S	S
100 to 499 lb	115	15	3	47	5	3	31	5	3	25	S	S
500 to 749 lb	26	7	1	S	2	1	S	1	1	12	S	S
750 to 999 lb	10	2	—	S	1	—	8	1	1	S	S	S
1,000 to 9,999 lb	122	52	11	110	27	12	S	33	25	S	14	15
10,000 to 49,999 lb	S	S	S	387	178	77	331	S	285	464	128	153
50,000 to 99,999 lb	12	35	8	S	S	S	S	29	20	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	622	217	49	911	272	122	590	187	147	450	106	116
Less than 50 lb	71	4	1	143	4	2	79	3	2	87	3	3
50 to 99 lb	S	S	S	38	2	1	27	1	1	S	1	2
100 to 499 lb	114	28	5	90	9	4	70	5	4	21	2	3
500 to 749 lb	27	7	1	33	5	2	14	2	2	S	2	2
750 to 999 lb	65	S	S	S	S	S	10	2	2	12	2	2
1,000 to 9,999 lb	171	76	17	346	119	52	151	53	41	165	29	32
10,000 to 49,999 lb	112	53	13	172	110	52	239	120	95	110	67	73
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 25, Logs and other wood in the rough	153	1 873	298	19	138	72	8	S	S	7	13	14
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	10	20	9	3	5	4	3	5	5
50,000 to 99,999 lb	122	1 763	276	S	S	S	S	S	S	S	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products ..	834	1 962	417	612	1 390	657	421	868	793	462	821	1 101
Less than 50 lb	S	S	S	18	S	S	9	1	1	9	S	S
50 to 99 lb	6	1	—	S	S	S	6	S	—	S	S	S
100 to 499 lb	44	12	2	8	3	1	S	S	S	S	S	S
500 to 749 lb	10	5	1	5	S	S	S	S	S	S	S	S
750 to 999 lb	9	4	1	1	S	—	S	S	S	S	S	S
1,000 to 9,999 lb	184	188	35	67	44	19	27	22	17	S	S	S
10,000 to 49,999 lb	401	831	170	263	542	250	156	322	252	139	180	201
50,000 to 99,999 lb	140	736	161	165	413	185	44	155	116	23	65	77
100,000 lb or more	20	184	46	82	384	200	139	358	400	224	559	803
SCTG 27, Pulp, newsprint, paper, and paperboard ...	213	249	61	494	537	283	138	143	116	144	316	419
Less than 50 lb	8	2	—	S	1	1	1	—	—	1	S	S
50 to 99 lb	13	3	—	S	S	S	S	—	S	S	S	S
100 to 499 lb	37	12	3	31	S	4	4	1	1	S	S	S
500 to 749 lb	7	3	1	7	2	1	S	S	S	S	S	S
750 to 999 lb	S	3	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	47	23	5	S	S	S	S	S	S	3	S	S
10,000 to 49,999 lb	73	125	25	265	297	143	60	111	87	37	74	81
50,000 to 99,999 lb	—	—	—	17	28	15	S	S	S	S	S	S
100,000 lb or more	S	S	S	59	144	98	S	S	S	86	211	S
SCTG 28, Paper or paperboard articles	332	305	63	446	286	144	585	257	208	225	135	S
Less than 50 lb	14	1	—	6	1	—	16	2	1	S	S	S
50 to 99 lb	10	2	—	3	1	—	1	—	—	2	S	S
100 to 499 lb	43	15	3	16	5	2	28	4	3	S	S	S
500 to 749 lb	S	2	—	13	5	2	7	3	3	S	S	S
750 to 999 lb	9	5	1	S	S	S	2	1	1	S	S	S
1,000 to 9,999 lb	66	46	9	77	45	22	106	49	40	S	S	S
10,000 to 49,999 lb	172	211	45	274	170	82	412	183	142	95	64	73
50,000 to 99,999 lb	S	S	—	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	300	108	22	604	135	63	999	114	93	742	64	74
Less than 50 lb	84	8	2	218	13	6	392	12	10	533	19	20
50 to 99 lb	18	2	1	22	2	1	S	7	6	S	S	S
100 to 499 lb	42	12	3	105	14	7	S	11	8	S	3	3
500 to 749 lb	13	5	1	21	4	2	16	2	2	S	1	1
750 to 999 lb	6	S	S	20	S	S	19	5	3	S	S	S
1,000 to 9,999 lb	123	63	13	192	84	38	119	24	19	46	7	8
10,000 to 49,999 lb	S	S	S	26	12	6	91	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	756	97	23	1 095	66	30	664	39	32	592	29	31
Less than 50 lb	133	4	1	478	10	5	276	7	6	306	7	7
50 to 99 lb	28	2	—	36	2	1	31	1	1	23	1	1
100 to 499 lb	83	9	2	79	6	3	77	4	3	80	3	3
500 to 749 lb	8	2	—	31	3	2	27	3	2	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	—
1,000 to 9,999 lb	354	39	10	283	19	9	167	11	9	132	12	12
10,000 to 49,999 lb	96	35	8	52	S	6	65	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	460	3 933	811	397	2 827	1 368	189	758	671	186	451	546
Less than 50 lb	10	1	S	S	1	—	18	1	—	18	—	1
50 to 99 lb	S	S	S	S	1	—	6	S	S	S	S	S
100 to 499 lb	S	S	S	15	S	S	S	1	1	S	1	1
500 to 749 lb	13	4	S	S	S	S	S	1	1	S	S	S
750 to 999 lb	7	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	48	86	15	23	31	13	16	15	12	54	S	S
10,000 to 49,999 lb	159	1 333	288	174	1 180	524	70	341	274	50	147	160
50,000 to 99,999 lb	123	1 636	328	33	259	117	S	S	S	S	S	S
100,000 lb or more	62	865	177	100	1 321	700	39	340	329	22	260	330
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	1 139	842	162	1 225	968	449	1 912	1 415	1 207	499	444	522
Less than 50 lb	14	1	—	S	—	—	S	—	—	7	S	S
50 to 99 lb	6	1	—	7	1	—	2	S	S	S	—	—
100 to 499 lb	12	5	1	S	5	2	14	3	2	25	3	3
500 to 749 lb	S	4	1	18	5	2	S	S	S	S	1	1
750 to 999 lb	5	2	—	S	S	S	4	S	S	10	S	S
1,000 to 9,999 lb	68	84	17	99	48	22	79	30	23	79	27	30
10,000 to 49,999 lb	577	434	76	770	701	323	840	618	467	251	169	178
50,000 to 99,999 lb	87	96	24	20	62	30	40	90	70	—	—	—
100,000 lb or more	361	215	42	S	145	69	890	670	640	120	243	308
SCTG 33, Articles of base metal	542	295	53	888	356	161	1 085	634	503	647	229	257
Less than 50 lb	94	4	1	123	3	1	100	2	1	94	2	2
50 to 99 lb	25	3	1	25	2	1	25	1	1	S	S	S
100 to 499 lb	105	18	4	129	13	6	57	6	4	37	2	3
500 to 749 lb	27	8	2	24	4	2	35	4	3	17	2	2
750 to 999 lb	12	3	1	34	6	3	21	4	3	11	2	2
1,000 to 9,999 lb	169	71	16	206	100	45	178	54	41	123	31	37
10,000 to 49,999 lb	95	115	21	287	197	90	250	229	180	221	102	109
50,000 to 99,999 lb	S	S	S	S	17	7	S	54	43	S	S	S
100,000 lb or more	S	S	S	S	S	S	183	S	S	S	S	S
SCTG 34, Machinery	1 596	202	41	1 334	132	59	1 155	120	96	1 536	140	152
Less than 50 lb	357	6	1	188	3	1	108	2	1	103	1	2
50 to 99 lb	68	4	1	62	2	1	24	1	1	15	1	1
100 to 499 lb	244	18	4	143	12	6	219	9	7	143	6	7
500 to 749 lb	35	5	1	S	3	1	44	4	3	S	4	4
750 to 999 lb	39	4	1	S	3	1	35	3	3	67	3	3
1,000 to 9,999 lb	408	62	12	261	30	14	357	28	22	509	31	34
10,000 to 49,999 lb	399	100	20	499	58	26	210	43	34	619	69	75
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	1 071	76	16	8 089	197	92	8 032	98	74	8 591	107	123
Less than 50 lb	584	8	2	2 772	15	7	2 592	14	12	3 379	13	16
50 to 99 lb	95	4	1	1 587	12	5	672	4	3	812	S	S
100 to 499 lb	185	18	4	2 424	25	11	3 002	13	10	1 989	20	25
500 to 749 lb	38	5	1	213	5	3	S	S	S	308	2	2
750 to 999 lb	S	3	1	S	S	S	S	S	4	227	1	1
1,000 to 9,999 lb	121	33	7	643	S	S	778	S	S	808	10	11
10,000 to 49,999 lb	S	S	S	142	S	S	118	21	16	1 070	56	62
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	1 222	159	34	1 150	124	57	1 754	206	165	S	52	59
Less than 50 lb	140	6	1	141	4	2	S	3	2	83	2	2
50 to 99 lb	52	4	1	61	3	S	65	3	2	34	1	1
100 to 499 lb	310	31	7	186	11	5	125	7	6	S	2	2
500 to 749 lb	111	16	3	82	9	4	S	S	S	S	S	S
750 to 999 lb	66	8	2	12	2	1	S	S	S	S	S	S
1,000 to 9,999 lb	296	44	9	436	35	16	255	30	23	173	14	16
10,000 to 49,999 lb	246	48	9	224	54	25	1 188	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	8	5	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	77	S	S	637	17	8	834	S	S	280	4	4
Less than 50 lb	S	S	S	169	S	S	142	—	—	120	—	—
50 to 99 lb	S	S	S	74	S	S	122	—	—	23	—	—
100 to 499 lb	S	S	S	82	S	S	252	2	2	30	1	1
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	101	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	263	5	1	853	10	5	879	21	16	834	14	15
Less than 50 lb	203	1	—	389	1	1	263	2	1	446	2	2
50 to 99 lb	9	—	—	116	—	—	32	—	—	S	S	S
100 to 499 lb	19	S	S	172	3	1	S	2	1	S	2	3
500 to 749 lb	S	S	S	55	2	1	51	1	1	S	S	S
750 to 999 lb	S	S	S	S	S	S	20	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	115	4	2	179	S	S	95	S	S
10,000 to 49,999 lb	—	—	—	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	308	63	14	281	54	26	280	54	43	209	35	38
Less than 50 lb	9	1	—	17	1	—	S	S	S	S	S	S
50 to 99 lb	16	1	—	S	S	S	2	—	—	7	—	—
100 to 499 lb	S	10	2	45	5	2	S	2	2	29	3	4
500 to 749 lb	7	1	—	10	2	1	5	1	1	9	1	2
750 to 999 lb	7	1	—	7	1	1	8	1	1	S	S	S
1,000 to 9,999 lb	57	12	2	128	27	14	126	25	19	72	14	15
10,000 to 49,999 lb	110	36	8	56	16	7	86	24	19	40	10	10
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products	2 048	S	132	5 669	569	265	1 850	278	224	1 835	142	155
Less than 50 lb	523	8	2	498	8	4	666	10	8	551	11	12
50 to 99 lb	58	3	1	90	3	1	169	7	6	134	S	S
100 to 499 lb	246	14	3	S	15	7	218	17	14	238	15	16
500 to 749 lb	S	6	1	S	3	1	44	5	4	29	2	2
750 to 999 lb	12	3	1	S	4	2	33	2	1	S	3	3
1,000 to 9,999 lb	206	47	10	1 006	67	31	264	32	26	373	30	33
10,000 to 49,999 lb	370	245	50	765	255	116	266	124	98	461	71	77
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 41, Waste and scrap	S	1 389	283	122	S	S	82	491	463	S	179	219
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	43	369	184	65	145	112	S	S	S
50,000 to 99,999 lb	S	S	S	10	98	52	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	13	S	S	S	S	S
SCTG 43, Mixed freight	1 463	679	142	572	244	98	322	S	S	S	S	S
Less than 50 lb	S	1	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	6	2	—	S	S	S	—	—	—	S	S	S
100 to 499 lb	75	23	6	S	5	2	S	S	S	S	S	S
500 to 749 lb	42	21	5	S	5	2	S	S	S	S	S	S
750 to 999 lb	24	10	S	18	6	2	S	S	S	S	S	S
1,000 to 9,999 lb	744	309	66	303	122	51	S	S	S	S	S	S
10,000 to 49,999 lb	530	298	59	188	92	36	S	S	S	S	S	S
50,000 to 99,999 lb	23	15	3	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	50	S	S	241	S	22	95	19	S	52	S	S
Less than 50 lb	13	—	—	25	—	—	S	S	S	S	—	—
50 to 99 lb	S	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	1	—	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	8	1	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	33 999	92 223	150 067	23 235	10 880	23 840	14 611	1 697	4 551
Less than 50 lb	8 618	94	141	7 557	85	168	6 387	35	88
50 to 99 lb	1 844	44	64	1 240	25	51	1 581	14	37
100 to 499 lb	3 279	102	148	2 482	69	136	1 517	41	103
500 to 749 lb	1 025	34	52	647	35	68	S	21	52
750 to 999 lb	399	25	38	432	17	35	S	7	19
1,000 to 9,999 lb	5 111	472	716	3 137	317	640	962	106	276
10,000 to 49,999 lb	9 348	5 459	8 104	4 562	2 556	5 134	1 216	592	1 582
50,000 to 99,999 lb	677	S	S	178	347	746	60	63	168
100,000 lb or more	3 698	83 691	137 594	3 001	7 428	16 861	S	817	2 227
SCTG 01, Live animals and live fish	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	72	390	613	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	11	15	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	378	596	S	S	S	—	—	—
SCTG 03, Other agricultural products	412	772	1 248	411	S	S	87	132	349
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	1	S	10	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	69	109	S	S	S	S	S	S
10,000 to 49,999 lb	323	617	980	S	S	S	49	66	173
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	150	192	292	S	S	S	S	70	194
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	90	100	150	S	S	S	S	61	168
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	89	138	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	891	349	499	410	138	266	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	79	21	31	54	14	26	S	S	S
10,000 to 49,999 lb	788	294	425	332	116	226	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	299	171	236	163	68	139	15	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	19	5	7	—	—	—	S	S	S
10,000 to 49,999 lb	278	166	228	160	66	134	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	1 054	932	1 480	771	681	1 466	133	111	287
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	—	—	S	S	S	S	S	S
750 to 999 lb	S	S	S	2	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	31	10	20	S	S	S
10,000 to 49,999 lb	699	513	787	481	312	649	68	66	165
50,000 to 99,999 lb	S	S	S	57	115	266	S	S	S
100,000 lb or more	234	374	621	174	241	524	S	S	S
SCTG 08, Alcoholic beverages	400	1 402	2 521	297	S	S	—	—	—
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	108	232	S	57	114	214	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	1 029	1 942	236	S	S	—	—	—
SCTG 09, Tobacco products	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	1	4	6	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 11, Natural sands	S	4	6	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	3	4	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	216	2 171	3 446	79	707	1 504	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	1	1	S	1	2	S	S	S
10,000 to 49,999 lb	S	S	S	10	76	165	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	157	1 641	2 711	68	626	1 328	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	185	S	S	347	50	103	246	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	329	46	95	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 15, Coal	727	70 530	113 472	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	727	70 530	113 472	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	S	311	484	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	23	203	340	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	14	34	48	9	16	32	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 20, Basic chemicals	881	3 014	4 946	401	1 930	4 293	104	S	S
Less than 50 lb	72	S	S	128	S	S	S	1	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	220	335	83	151	299	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	502	2 753	4 543	179	1 746	3 922	S	S	S
SCTG 21, Pharmaceutical products	1 464	50	80	1 258	41	87	325	4	9
Less than 50 lb	1 032	6	9	1 005	6	12	250	S	S
50 to 99 lb	S	S	S	S	S	S	7	S	S
100 to 499 lb	47	2	S	37	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	109	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	8	54	77	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	2 476	403	616	855	231	458	120	S	S
Less than 50 lb	62	3	4	50	1	3	14	—	1
50 to 99 lb	S	S	S	S	S	S	1	S	S
100 to 499 lb	30	S	S	S	2	5	S	1	3
500 to 749 lb	21	1	2	42	2	5	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	158	15	22	S	28	58	S	5	14
10,000 to 49,999 lb	2 173	375	576	S	195	384	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 24, Plastics and rubber	473	95	142	236	55	107	117	7	17
Less than 50 lb	130	3	5	72	2	4	23	—	1
50 to 99 lb	24	1	2	14	1	2	17	S	S
100 to 499 lb	61	5	7	27	2	5	46	2	5
500 to 749 lb	S	1	2	8	S	S	S	1	1
750 to 999 lb	9	2	2	9	1	2	5	—	1
1,000 to 9,999 lb	74	18	27	45	14	27	9	2	4
10,000 to 49,999 lb	127	56	82	59	32	62	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 25, Logs and other wood in the rough	2	2	4	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 26, Wood products	973	1 733	2 923	619	840	1 880	309	383	1 061
Less than 50 lb	S	S	S	6	S	S	S	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	18	S	S	S	S	S	1	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	34	13	20	S	7	13	S	S	S
10,000 to 49,999 lb	333	517	796	223	178	372	92	58	152
50,000 to 99,999 lb	96	137	217	54	83	176	S	29	76
100,000 lb or more	458	1 059	1 880	266	561	1 298	184	293	827
SCTG 27, Pulp, newsprint, paper, and paperboard	58	100	142	46	45	100	S	S	S
Less than 50 lb	—	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	29	64	91	S	10	22	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	13	S	S	—	—	—
SCTG 28, Paper or paperboard articles	187	95	151	67	26	53	S	S	S
Less than 50 lb	S	2	3	10	1	3	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	11	2	3	S	S	S	S	S	S
500 to 749 lb	S	1	1	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	22	11	19	S	S	S	S	S	S
10,000 to 49,999 lb	96	51	82	S	18	37	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	838	61	87	657	36	69	218	19	49
Less than 50 lb	497	20	30	405	16	31	129	3	7
50 to 99 lb	S	S	S	26	1	2	S	S	S
100 to 499 lb	S	S	S	24	1	S	S	1	2
500 to 749 lb	S	S	S	7	S	S	S	S	S
750 to 999 lb	S	S	S	S	1	2	S	S	S
1,000 to 9,999 lb	75	7	10	S	S	S	42	7	18
10,000 to 49,999 lb	S	S	S	S	4	7	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	823	30	44	1 090	44	90	719	S	S
Less than 50 lb	491	11	16	596	13	27	S	5	13
50 to 99 lb	36	1	2	51	2	3	14	—	1
100 to 499 lb	78	3	5	114	4	9	43	2	4
500 to 749 lb	65	2	4	S	S	S	S	S	S
750 to 999 lb	S	S	S	54	2	4	S	S	S
1,000 to 9,999 lb	S	6	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	66	10	21	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	152	676	1 153	160	248	526	51	66	177
Less than 50 lb	19	1	1	39	S	S	4	S	S
50 to 99 lb	S	S	S	S	S	—	S	S	S
100 to 499 lb	21	1	2	S	—	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	35	14	22	29	S	S	4	S	S
10,000 to 49,999 lb	33	S	S	49	85	184	S	51	139
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	1 512	812	1 339	508	227	481	S	S	S
Less than 50 lb	S	—	—	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	—	—
100 to 499 lb	19	1	2	12	1	2	S	S	S
500 to 749 lb	5	S	S	6	—	1	S	S	S
750 to 999 lb	S	S	S	3	—	1	S	S	S
1,000 to 9,999 lb	74	17	23	41	8	16	18	S	S
10,000 to 49,999 lb	527	220	343	168	60	116	S	17	40
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	807	551	929	263	157	345	S	S	S
SCTG 33, Articles of base metal	571	111	164	415	63	130	171	S	S
Less than 50 lb	75	2	3	47	1	2	S	—	1
50 to 99 lb	69	2	3	S	S	S	1	—	—
100 to 499 lb	72	6	9	S	4	8	23	2	5
500 to 749 lb	32	3	5	15	2	4	S	1	2
750 to 999 lb	24	3	4	S	S	S	2	—	1
1,000 to 9,999 lb	139	32	51	65	24	50	S	7	18
10,000 to 49,999 lb	124	47	67	143	30	62	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 34, Machinery	1 130	115	162	885	88	175	411	22	65
Less than 50 lb	232	2	3	128	1	3	S	1	2
50 to 99 lb	59	1	2	S	1	1	17	—	1
100 to 499 lb	230	5	9	132	5	10	22	2	5
500 to 749 lb	72	5	7	69	S	S	S	S	S
750 to 999 lb	22	2	2	S	S	S	S	S	S
1,000 to 9,999 lb	281	29	43	221	16	32	65	6	17
10,000 to 49,999 lb	213	41	59	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	9 050	91	136	6 615	85	171	8 162	70	174
Less than 50 lb	3 856	20	30	3 196	18	36	4 650	S	S
50 to 99 lb	861	8	12	624	8	16	S	S	S
100 to 499 lb	1 295	22	32	1 108	12	23	808	23	56
500 to 749 lb	S	S	S	137	3	6	S	S	S
750 to 999 lb	S	S	S	207	4	8	S	S	S
1,000 to 9,999 lb	S	22	33	S	28	58	S	7	19
10,000 to 49,999 lb	117	11	15	S	13	25	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	2 974	S	S	1 066	111	218	S	12	29
Less than 50 lb	47	2	2	90	2	5	49	1	3
50 to 99 lb	22	1	1	22	S	S	S	S	S
100 to 499 lb	54	2	4	59	2	4	S	S	1
500 to 749 lb	13	1	1	S	S	S	S	S	S
750 to 999 lb	20	2	3	S	S	S	S	S	S
1,000 to 9,999 lb	609	S	S	162	11	23	S	S	S
10,000 to 49,999 lb	2 209	S	S	705	91	178	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	1 199	S	S	2 081	18	43	286	3	7
Less than 50 lb	208	1	1	S	—	1	129	—	1
50 to 99 lb	77	—	1	74	—	—	S	S	S
100 to 499 lb	S	1	2	S	—	1	S	—	1
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	2	4	114	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	1 476	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	1 522	10	15	964	10	20	358	S	S
Less than 50 lb	889	2	3	522	2	3	161	—	1
50 to 99 lb	127	1	1	90	—	1	S	—	1
100 to 499 lb	S	2	3	211	2	3	S	S	S
500 to 749 lb	S	—	—	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	146	3	5	89	1	3	S	S	S
10,000 to 49,999 lb	S	S	S	S	4	8	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	321	55	82	277	51	106	151	26	65
Less than 50 lb	S	S	S	42	2	4	S	1	2
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	14	1	2	30	3	6	12	S	3
500 to 749 lb	8	1	2	S	1	2	S	S	S
750 to 999 lb	S	1	2	3	—	1	S	S	S
1,000 to 9,999 lb	163	26	36	96	16	33	S	4	11
10,000 to 49,999 lb	66	21	31	84	29	60	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	1 987	153	228	2 052	100	197	949	24	64
Less than 50 lb	808	14	21	756	12	24	211	3	6
50 to 99 lb	199	S	S	170	8	15	S	1	2
100 to 499 lb	349	29	41	421	19	37	220	3	8
500 to 749 lb	42	3	5	S	S	S	S	2	4
750 to 999 lb	31	3	4	45	2	5	S	1	2
1,000 to 9,999 lb	286	33	49	262	23	45	82	7	18
10,000 to 49,999 lb	S	57	86	185	26	53	S	8	25
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 41, Waste and scrap ..	126	169	266	S	S	S	—	—	—
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	76	89	124	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	72	128	S	S	S	—	—	—
SCTG 43, Mixed freight	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	89	S	S	159	S	S	19	S	S
Less than 50 lb	22	—	—	66	1	1	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	8	1	1	S	2	4	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in

1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

Item	1993	1997
1. Industry coverage	Manufacturers (minor exceptions) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses Auxiliaries (e.g., warehouses)
2. Commodity classification system	Standard Transportation Commodity Classification (STCC), developed by the American Association of Railroads (AAR).	Standard Classification of Transported Goods (SCTG).
3. Sample size	Approximately 200,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1992 Standard Statistical Establishment List (SSEL).	Approximately 100,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1995 Standard Statistical Establishment List (SSEL).
4. Survey methodology	Respondents took a sample of their individual outbound shipments for a 2-week period during each of the four calendar quarters of 1993. Respondents reported key characteristics for each sampled shipment.	Respondents took a sample of their individual outbound shipments for a 1-week period during each of the four calendar quarters of 1997. Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	For each shipment: Total value Total weight Major commodity (STCC) All modes of transportation Multiple origins (respondents specifically requested to report all shipment origins for the sampled establishment and report the appropriate origin for each shipment; assumed to always be the mailing address if no other origins listed). Destination Containerized (Y/N) Hazardous material (Y/N) Export (Y/N) If export, mode of export, foreign country, and city of destination.	For each shipment: Total value Total weight Major commodity (SCTG) All modes of transportation Single origin (assumed to be the mailing address unless the respondent provided a different physical location address). Destination Containerized (Y/N) Hazardous material (UN/NA codes) Export (Y/N) If export, mode of export, foreign country, and city of destination.

Appendix B. Reliability of the Estimates

An estimate based on a sample survey potentially contains two types of errors—sampling and nonsampling. Sampling error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The bias of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. Variance is the squared difference, averaged over all possible samples of the same size and design, between an estimator and its average value. Descriptions of sampling and nonsampling errors for the 1997 Commodity Flow Survey (CFS) are provided in the following sections.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of all the shipments made in 1997 from all establishments included on the CFS sampling frame is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling. (See Appendix C for a description of the sample design.)

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the

sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

An estimate of an unknown population value and its approximate standard error can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability, or confidence, of containing the unknown population value. If, for each possible sample, an estimate of an unknown population value and the estimate's approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the unknown population value.
2. For approximately 95 percent of the possible samples, the interval from two standard errors below to two standard errors above the estimate would include the unknown population value.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources: (1) nonresponse, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) other errors of collection, response, coverage, and processing. Although no direct measurement of the potential biases because of nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize its influence.

A potentially large source of bias in the estimates is due to nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all the selected establishments. Four levels of nonresponse can occur in the CFS: item, shipment, quarter (reporting week), and establishment. Item nonresponse

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been

returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

Some possible sources of bias that are attributed to respondent-conducted sampling include misunderstanding the definition of a shipment, constructing an incomplete frame of shipments from which to sample, ordering the shipment sampling frame by selected shipment characteristics, and selecting shipment records by a method other than the one specified in the questionnaire's instructions. We often contacted respondents who reported shipments having atypically large value or weight when compared to the rest of their reported shipments. Upon contact, if we are able to collect information on all of a given respondent's large shipments made either for a particular reporting week or for the entire quarter, then we identify these large shipments as certainty shipments. (See Appendix C for a description of how certainty shipments are used in the estimation process.)

Table B-1a. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	3.5	—	5.2	—	11.3	—	10.3
Single modes	3.0	1.4	5.6	1.7	12.2	2.8	10.5
Truck	2.9	1.8	7.1	3.0	5.5	2.3	8.4
For-hire truck	4.5	1.3	7.0	1.6	7.2	1.7	4.8
Private truck	3.6	1.2	9.8	2.3	11.2	.8	7.5
Rail	10.0	.7	10.7	3.1	14.3	3.4	3.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	17.0	.9	18.7	—	24.5	—	1.6
Pipeline	22.9	.1	25.4	.5	S	S	S
Multiple modes	10.1	1.5	27.9	1.2	27.0	2.8	9.7
Parcel, U.S. Postal Service or courier	10.6	1.5	11.4	—	11.9	—	9.7
Truck and rail	18.9	.1	S	S	S	S	14.3
Truck and water	42.6	—	38.5	—	22.5	—	10.5
Rail and water	29.2	—	29.5	1.0	28.5	2.6	15.6
Other multiple modes	S	S	S	S	S	S	21.2
Other and unknown modes	6.7	.2	24.3	.9	18.7	.2	15.7

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	3.5	3.0	5.8	5.2	5.3	7.5	11.3	9.3	16.3	10.3	4.1	13.3
Single modes	3.0	3.0	4.8	5.6	5.4	8.4	12.2	9.7	16.7	10.5	9.2	9.3
Truck	2.9	3.2	4.9	7.1	4.4	10.7	5.5	3.6	8.0	8.4	3.1	6.9
For-hire truck	4.5	6.4	7.5	7.0	5.2	9.0	7.2	3.4	9.1	4.8	3.7	6.3
Private truck	3.6	3.6	6.9	9.8	5.4	16.2	11.2	6.8	18.9	7.5	3.7	6.5
Rail	10.0	13.6	17.6	10.7	8.7	12.9	14.3	11.0	18.9	3.9	3.7	5.3
Water	—	S	S	—	S	S	—	S	S	—	22.2	—
Shallow draft	—	S	S	—	S	S	—	S	S	—	22.4	—
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	—	S	S	—	S	S	—	S	S	—	22.4	—
Air (includes truck and air)	17.0	10.0	31.7	18.7	24.8	57.5	24.5	19.2	76.4	1.6	1.8	2.4
Pipeline	22.9	27.4	29.2	25.4	29.2	45.6	S	S	S	S	S	S
Multiple modes	10.1	7.9	28.3	27.9	31.1	71.2	27.0	36.1	86.0	9.7	2.9	10.4
Parcel, U.S. Postal Service or courier	10.6	5.6	30.1	11.4	4.0	20.9	11.9	4.0	26.2	9.7	2.9	10.5
Truck and rail	18.9	46.7	20.3	S	26.0	S	S	23.6	S	14.3	14.5	21.5
Truck and water	42.6	20.1	134.1	38.5	33.1	126.9	22.5	29.7	79.6	10.5	8.2	10.0
Rail and water	29.2	39.5	150.6	29.5	45.1	140.7	28.5	46.6	103.5	15.6	17.1	17.6
Other multiple modes	S	—	S	S	—	S	S	—	S	21.2	—	S
Other and unknown modes ...	6.7	14.8	20.4	24.3	28.0	11.7	18.7	41.9	15.0	15.7	13.9	8.1

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1c. **Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Division: Percent of Total 1997 and 1993**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes	1.4	.8	1.7	3.0	2.8	2.0
Truck	1.8	1.1	3.0	2.3	2.3	1.3
For-hire truck	1.3	1.5	1.6	1.1	1.7	.9
Private truck	1.2	1.5	2.3	1.4	.8	.4
Rail	.7	1.1	3.1	2.6	3.4	2.2
Water	—	S	—	S	—	S
Shallow draft	—	S	—	S	—	S
Great Lakes	—	S	—	S	—	S
Deep draft	—	S	—	S	—	S
Air (includes truck and air)	.9	.5	.5	—	—	—
Pipeline	.1	.3	.5	.4	S	S
Multiple modes	1.5	.8	1.2	.8	2.8	1.9
Parcel, U.S. Postal Service or courier	1.5	.6	—	—	—	—
Truck and rail	.1	.6	S	.4	S	.5
Truck and water	—	—	—	—	—	—
Rail and water	—	—	1.0	.5	2.6	1.8
Other multiple modes	S	—	S	—	S	—
Other and unknown modes	.2	.4	.9	3.0	.2	1.0

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-2. **Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Division: 1997**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	11.3	—	10.2
Truck	6.1	2.3	8.0
Rail	13.2	2.5	4.0
Shallow draft	28.7	.5	17.7
Great Lakes	S	S	21.2
Deep draft	26.1	—	5.7
Air	24.7	—	1.6
Parcel, U.S. Postal Service or courier	11.9	—	9.7
Pipeline	S	S	S
Other and unknown modes	18.7	.2	15.7

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	3.5	—	5.2	—	11.3	—
Less than 50 miles	3.0	1.0	8.2	2.9	9.5	.4
50 to 99 miles	7.2	.4	8.4	.6	11.3	.2
100 to 249 miles	6.4	.5	8.9	.9	8.4	.6
250 to 499 miles	8.2	.7	6.6	.6	5.9	.7
500 to 749 miles	6.2	.5	11.6	1.1	12.2	1.7
750 to 999 miles	6.1	.5	18.3	1.7	17.5	2.2
1,000 to 1,499 miles	7.1	.7	16.1	1.4	16.4	3.1
1,500 to 1,999 miles	6.9	.4	20.1	.4	21.7	1.4
2,000 miles or more	20.3	.8	14.8	—	14.9	.2
Single modes	3.0	—	5.6	—	12.2	—
Less than 50 miles	3.5	1.1	9.4	3.2	10.3	.4
50 to 99 miles	7.4	.4	8.6	.6	9.4	.2
100 to 249 miles	7.1	.6	9.0	1.0	8.6	.7
250 to 499 miles	8.0	.7	6.7	.7	6.0	.9
500 to 749 miles	6.7	.4	12.1	1.3	12.7	2.4
750 to 999 miles	5.6	.5	21.9	1.8	21.3	2.3
1,000 to 1,499 miles	9.2	.9	16.6	1.3	16.9	2.9
1,500 to 1,999 miles	8.0	.5	20.8	.4	22.4	1.5
2,000 miles or more	21.9	.5	17.8	—	17.9	.3
Truck	2.9	—	7.1	—	5.5	—
Less than 50 miles	3.5	1.2	9.5	2.3	11.2	1.0
50 to 99 miles	8.4	.4	11.8	1.3	12.1	.8
100 to 249 miles	8.2	.7	7.8	.8	7.2	1.0
250 to 499 miles	6.5	.6	6.7	.5	6.7	1.1
500 to 749 miles	8.5	.5	7.3	.2	6.9	.8
750 to 999 miles	7.0	.4	11.5	.2	12.1	1.1
1,000 to 1,499 miles	13.3	1.0	23.4	.6	21.5	2.7
1,500 to 1,999 miles	11.7	.5	15.4	.1	14.7	1.0
2,000 miles or more	21.0	.3	11.6	—	11.9	.3
For-hire truck	4.5	—	7.0	—	7.2	—
Less than 50 miles	5.2	.7	10.0	2.9	11.8	.5
50 to 99 miles	9.4	.3	17.5	2.0	18.6	.8
100 to 249 miles	9.5	.7	10.0	1.3	9.9	1.1
250 to 499 miles	7.6	.9	7.4	.8	7.6	.8
500 to 749 miles	9.6	.9	8.2	.6	7.6	1.0
750 to 999 miles	7.4	.9	11.3	.4	11.7	1.2
1,000 to 1,499 miles	14.3	1.8	19.1	.7	18.1	2.1
1,500 to 1,999 miles	11.9	.9	16.2	.3	15.4	1.1
2,000 miles or more	21.9	.7	12.1	—	12.5	.5
Private truck	3.6	—	9.8	—	11.2	—
Less than 50 miles	4.2	1.7	12.1	2.3	13.7	2.7
50 to 99 miles	9.5	.6	13.8	1.4	13.5	1.7
100 to 249 miles	8.6	.9	8.6	.9	7.8	1.5
250 to 499 miles	13.7	.6	14.9	.4	15.9	2.1
500 to 749 miles	14.2	.3	14.1	.1	14.4	1.0
750 to 999 miles	15.6	.1	21.3	.1	23.1	1.2
1,000 to 1,499 miles	33.1	.4	S	S	S	S
1,500 to 1,999 miles	23.7	.1	21.7	—	22.8	.5
2,000 miles or more	27.6	—	30.9	—	30.5	.2
Rail	10.0	—	10.7	—	14.3	—
Less than 50 miles	24.2	1.7	22.7	3.5	27.2	—
50 to 99 miles	29.6	1.1	24.0	1.2	25.5	.2
100 to 249 miles	21.8	1.6	20.4	1.7	18.0	.4
250 to 499 miles	10.0	1.0	11.0	.8	10.2	.7
500 to 749 miles	13.2	1.6	13.4	2.9	13.8	3.3
750 to 999 miles	8.1	1.0	23.2	2.5	22.5	2.7
1,000 to 1,499 miles	9.4	1.5	18.1	2.3	18.2	3.2
1,500 to 1,999 miles	12.6	1.4	28.4	.6	29.8	1.9
2,000 miles or more	S	S	30.1	—	29.6	.2
Water	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Air (includes truck and air)	17.0	—	18.7	—	24.5	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	33.4	.2	32.5	.2	30.1	—
100 to 249 miles	31.9	.9	33.2	.8	32.7	.1
250 to 499 miles	23.9	1.9	22.2	2.2	19.2	1.0
500 to 749 miles	28.9	1.8	21.3	2.6	20.8	2.1
750 to 999 miles	11.7	2.2	33.8	3.0	34.8	3.0
1,000 to 1,499 miles	26.6	3.7	21.3	3.9	21.2	4.7
1,500 to 1,999 miles	14.9	1.8	42.4	4.3	42.0	4.7
2,000 miles or more	40.1	2.7	49.1	5.2	48.5	6.6
Pipeline	22.9	—	25.4	—	S	S
Less than 50 miles	30.0	8.9	31.8	10.5	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	35.5	7.0	45.3	9.7	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	—	—	—	—	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	10.1	—	27.9	—	27.0	—
Less than 50 miles	13.6	1.2	39.4	2.5	S	S
50 to 99 miles	15.8	.4	S	S	S	S
100 to 249 miles	11.0	1.2	20.0	1.6	21.4	.4
250 to 499 miles	15.4	1.8	S	S	S	S
500 to 749 miles	11.8	1.5	47.7	2.4	48.3	2.6
750 to 999 miles	15.0	1.1	38.6	8.6	38.1	8.4
1,000 to 1,499 miles	14.3	1.0	38.2	5.7	41.1	6.9
1,500 to 1,999 miles	9.0	.9	13.0	1.4	13.6	2.5
2,000 miles or more	29.2	2.2	19.0	1.7	19.0	3.6
Parcel, U.S. Postal Service or courier	10.6	—	11.4	—	11.9	—
Less than 50 miles	13.8	1.2	34.0	2.8	26.7	—
50 to 99 miles	16.0	.4	13.2	.7	12.8	.1
100 to 249 miles	11.4	1.3	9.4	1.4	9.3	.5
250 to 499 miles	15.8	1.9	19.1	1.8	16.0	.9
500 to 749 miles	11.9	1.5	11.5	.9	11.7	.9
750 to 999 miles	16.6	1.1	15.6	.8	15.9	.9
1,000 to 1,499 miles	15.4	1.0	19.9	1.4	19.2	1.7
1,500 to 1,999 miles	9.1	.9	11.6	1.0	11.3	1.7
2,000 miles or more	29.7	2.2	30.1	1.7	29.9	3.2
Truck and rail	18.9	—	S	S	S	S
Less than 50 miles	48.9	3.2	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	34.0	3.4	30.8	3.6	30.1	1.0
250 to 499 miles	39.4	4.1	S	S	S	S
500 to 749 miles	22.3	3.1	S	S	S	S
750 to 999 miles	38.5	4.3	20.1	4.0	19.4	4.9
1,000 to 1,499 miles	39.5	4.6	S	S	S	S
1,500 to 1,999 miles	28.1	3.4	24.0	3.6	24.4	5.2
2,000 miles or more	31.2	2.3	40.7	2.2	41.4	3.6
Truck and water	42.6	—	38.5	—	22.5	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	26.1	13.1	27.3	8.2

See footnotes at end of table.

Table B–3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	29.2	—	29.5	—	28.5	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	40.3	7.0	39.4	7.6	38.8	7.3
1,000 to 1,499 miles	33.0	6.8	37.9	7.2	37.7	7.0
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other and unknown modes	6.7	—	24.3	—	18.7	—
Less than 50 miles	9.7	3.3	27.8	8.4	S	S
50 to 99 miles	26.2	.8	S	S	S	S
100 to 249 miles	13.4	1.1	31.0	.7	36.1	2.7
250 to 499 miles	16.9	1.0	28.8	1.6	31.5	3.7
500 to 749 miles	25.6	1.1	S	S	49.1	6.5
750 to 999 miles	25.7	2.1	28.7	1.6	28.2	2.8
1,000 to 1,499 miles	28.2	2.1	40.9	1.7	45.5	3.5
1,500 to 1,999 miles	23.6	.4	40.9	.8	40.3	2.1
2,000 miles or more	36.5	1.6	31.6	.2	32.1	3.1

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	3.5	—	5.2	—	11.3	—	10.3
Less than 50 lb	9.1	1.2	22.1	—	8.7	—	11.7
50 to 99 lb	10.4	.4	7.9	—	16.6	—	9.3
100 to 499 lb	7.8	.7	4.3	—	7.2	—	7.2
500 to 749 lb	10.1	.4	4.4	—	12.9	—	12.7
750 to 999 lb	12.3	.2	6.8	—	9.1	—	8.7
1,000 to 9,999 lb	4.1	.7	5.5	.3	6.6	.2	6.4
10,000 to 49,999 lb	4.7	1.3	8.3	1.9	5.6	1.5	11.1
50,000 to 99,999 lb	12.1	.7	10.2	1.3	11.6	.7	13.4
100,000 lb or more	8.0	.7	8.5	2.9	13.0	2.3	6.4
Single modes	3.0	—	5.6	—	12.2	—	10.5
Less than 50 lb	8.1	.5	38.9	—	17.6	—	23.1
50 to 99 lb	7.9	.2	6.5	—	5.0	—	6.8
100 to 499 lb	8.5	.8	4.8	—	5.8	—	5.7
500 to 749 lb	9.7	.3	4.7	—	10.6	—	12.0
750 to 999 lb	12.7	.3	7.2	—	8.5	—	8.7
1,000 to 9,999 lb	4.4	.9	5.4	.3	6.9	.2	6.7
10,000 to 49,999 lb	4.8	1.5	8.6	1.8	6.0	1.6	11.6
50,000 to 99,999 lb	12.4	.8	10.4	1.4	11.9	.7	13.8
100,000 lb or more	8.5	.9	8.9	2.8	14.1	2.4	6.7
Truck	2.9	—	7.1	—	5.5	—	8.4
Less than 50 lb	5.9	.3	40.3	.1	14.2	—	19.2
50 to 99 lb	5.6	.1	6.6	—	5.7	—	6.5
100 to 499 lb	7.4	.7	4.8	—	5.8	—	5.7
500 to 749 lb	10.0	.4	4.7	—	11.0	—	12.3
750 to 999 lb	11.1	.3	7.2	—	6.1	—	7.5
1,000 to 9,999 lb	4.5	1.1	5.5	.6	7.0	.6	6.9
10,000 to 49,999 lb	4.9	1.6	8.6	2.1	6.1	1.8	11.8
50,000 to 99,999 lb	12.8	1.0	10.4	1.9	11.9	2.0	14.0
100,000 lb or more	14.8	.2	22.2	1.9	15.3	.8	27.9
For-hire truck	4.5	—	7.0	—	7.2	—	4.8
Less than 50 lb	12.3	.5	11.4	—	9.1	—	13.9
50 to 99 lb	18.3	.3	10.2	—	9.0	—	9.1
100 to 499 lb	15.1	1.3	6.2	—	9.5	—	5.6
500 to 749 lb	14.4	.4	9.2	—	17.1	—	6.7
750 to 999 lb	22.6	.6	6.3	—	6.8	—	7.7
1,000 to 9,999 lb	10.1	1.6	11.5	.6	9.9	.6	5.6
10,000 to 49,999 lb	6.5	2.5	7.1	2.2	7.9	1.6	7.1
50,000 to 99,999 lb	9.8	.6	10.5	2.9	11.5	1.5	13.2
100,000 lb or more	22.7	.5	28.5	2.4	17.0	1.0	20.9
Private truck	3.6	—	9.8	—	11.2	—	7.5
Less than 50 lb	7.8	.4	42.6	.2	23.6	—	11.2
50 to 99 lb	5.7	.2	7.1	—	8.2	—	7.6
100 to 499 lb	9.1	.9	5.6	.1	7.4	.1	5.1
500 to 749 lb	11.7	.5	5.7	—	5.8	—	5.6
750 to 999 lb	7.4	.2	8.4	—	11.2	—	6.8
1,000 to 9,999 lb	4.8	1.4	6.2	1.0	8.5	1.1	7.1
10,000 to 49,999 lb	6.1	1.5	11.8	2.5	9.7	3.1	10.0
50,000 to 99,999 lb	17.1	1.4	16.2	2.6	24.6	3.8	17.1
100,000 lb or more	20.2	.2	35.9	2.7	30.1	1.3	44.1
Rail	10.0	—	10.7	—	14.3	—	3.9
Less than 50 lb	S	S	S	S	S	S	24.4
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	48.8	—	44.7	—	S	S	21.0
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	22.1
1,000 to 9,999 lb	S	S	34.3	—	41.0	—	16.9
10,000 to 49,999 lb	20.7	.5	20.7	—	20.0	—	11.9
50,000 to 99,999 lb	23.4	.6	23.6	—	22.9	—	12.6
100,000 lb or more	10.5	.7	10.7	—	14.3	—	3.9
Water	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Air (includes truck and air)	17.0	—	18.7	—	24.5	—	1.6
Less than 50 lb	17.1	4.2	30.0	3.3	32.8	3.1	1.6
50 to 99 lb	20.7	1.5	10.9	1.4	12.9	1.5	4.6
100 to 499 lb	22.8	2.7	14.2	2.2	15.7	2.3	3.5
500 to 749 lb	28.4	1.0	35.2	1.8	22.1	1.2	15.0
750 to 999 lb	47.9	.7	S	S	S	S	7.3
1,000 to 9,999 lb	37.1	2.5	19.2	2.8	18.3	3.7	6.1
10,000 to 49,999 lb	27.0	.4	44.3	6.0	S	S	14.4
50,000 to 99,999 lb	S	S	S	S	S	S	21.3
100,000 lb or more	S	S	S	S	S	S	21.8
Pipeline	22.9	—	25.4	—	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	38.0	7.7	28.3	7.4	S	S	S
100,000 lb or more	23.2	8.7	25.7	8.9	S	S	S
Multiple modes	10.1	—	27.9	—	27.0	—	9.7
Less than 50 lb	12.6	2.0	10.5	4.2	8.7	4.1	10.0
50 to 99 lb	17.1	1.2	19.3	1.5	21.4	1.2	6.6
100 to 499 lb	9.6	1.4	15.4	2.8	19.3	2.5	8.1
500 to 749 lb	37.9	1.1	22.4	.5	42.5	.8	13.1
750 to 999 lb	40.8	.6	30.3	.1	31.3	—	23.2
1,000 to 9,999 lb	S	S	30.1	.1	36.7	—	20.1
10,000 to 49,999 lb	26.3	.9	17.3	4.0	16.9	5.1	14.0
50,000 to 99,999 lb	27.3	—	46.2	2.0	25.4	1.6	S
100,000 lb or more	29.0	.3	29.9	11.9	28.2	11.9	8.8
Parcel, U.S. Postal Service or courier	10.6	—	11.4	—	11.9	—	9.7
Less than 50 lb	12.6	2.1	10.5	2.2	8.7	2.9	10.0
50 to 99 lb	17.1	1.2	19.3	1.5	21.4	1.7	6.6
100 to 499 lb	9.6	1.4	15.4	1.7	19.4	2.2	8.1
500 to 749 lb	38.0	1.1	22.6	.8	42.9	1.4	13.0
750 to 999 lb	41.1	.6	31.0	.7	32.5	.4	23.1
1,000 to 9,999 lb	S	S	S	S	48.9	—	S
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	18.9	—	S	S	S	S	14.3
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	22.0
500 to 749 lb	S	S	S	S	S	S	22.2
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	35.6	2.4	37.9	.9	S	S	18.7
10,000 to 49,999 lb	26.3	6.9	18.4	11.5	18.0	12.3	12.9
50,000 to 99,999 lb	31.8	3.2	S	S	27.7	3.3	S
100,000 lb or more	38.4	6.1	S	S	S	S	13.0
Truck and water	42.6	—	38.5	—	22.5	—	10.5
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	20.6
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	40.0	9.6	40.6	9.3	17.1
10,000 to 49,999 lb	48.9	11.9	41.0	12.4	26.4	12.0	24.1
50,000 to 99,999 lb	S	S	S	S	S	S	23.4
100,000 lb or more	—	—	—	—	—	—	—

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	29.2	—	29.5	—	28.5	—	15.6
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	29.2	—	29.5	—	28.5	—	15.6
Other multiple modes	S	S	S	S	S	S	21.2
Less than 50 lb	S	S	S	S	S	S	23.0
50 to 99 lb	S	S	S	S	S	S	22.0
100 to 499 lb	47.8	—	48.6	—	S	S	21.1
500 to 749 lb	S	S	S	S	S	S	21.5
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	21.2
10,000 to 49,999 lb	S	S	S	S	S	S	21.1
50,000 to 99,999 lb	S	S	S	S	S	S	21.1
100,000 lb or more	S	S	S	S	S	S	22.9
Other and unknown modes	6.7	—	24.3	—	18.7	—	15.7
Less than 50 lb	15.3	2.8	15.6	.3	30.6	.8	16.4
50 to 99 lb	19.5	.8	41.0	.1	34.6	—	S
100 to 499 lb	10.4	1.1	30.4	.7	25.4	.1	15.7
500 to 749 lb	22.6	.5	25.9	.3	25.5	—	S
750 to 999 lb	18.7	.4	26.8	.6	24.9	—	32.4
1,000 to 9,999 lb	13.8	2.6	16.5	2.5	33.1	2.8	12.5
10,000 to 49,999 lb	16.6	2.8	16.7	5.0	25.1	5.3	16.7
50,000 to 99,999 lb	31.1	.8	42.3	4.0	46.7	3.4	42.0
100,000 lb or more	23.5	2.0	28.5	10.8	39.9	7.8	36.0

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	3.5	—	5.2	—	11.3	—	10.3
01	Live animals and live fish	S	S	S	S	S	S	29.6
02	Cereal grains	13.5	.1	13.9	.3	21.0	.4	15.5
03	Other agricultural products	21.7	.4	30.6	.2	36.2	.4	23.8
04	Animal feed and products of animal origin, n.e.c.	20.1	.2	17.6	.3	17.4	.1	S
05	Meat, fish, seafood, and their preparations	11.5	.3	11.7	—	16.2	.1	29.1
06	Milled grain products and preparations, and bakery products	13.7	.2	15.6	—	22.1	—	22.1
07	Other prepared foodstuffs and fats and oils	8.0	.4	12.2	.4	8.3	.3	S
08	Alcoholic beverages	11.5	.3	23.9	.2	42.8	.7	16.0
09	Tobacco products	36.1	.1	36.2	—	S	S	17.6
10	Monumental or building stone	S	S	33.3	—	32.6	—	S
11	Natural sands	42.9	—	26.9	.6	15.2	—	S
12	Gravel and crushed stone	25.1	—	24.9	2.1	27.5	.4	9.9
13	Nonmetallic minerals n.e.c.	21.8	—	20.9	.3	22.6	.3	16.7
14	Metallic ores and concentrates	15.6	.2	32.3	.4	23.8	.2	14.4
15	Coal	6.3	.1	10.3	3.0	15.3	3.6	S
17	Gasoline and aviation turbine fuel	10.6	.2	10.0	.4	39.8	.4	22.5
18	Fuel oils	10.8	.1	11.7	.4	17.4	.2	12.7
19	Coal and petroleum products, n.e.c.	12.5	.1	30.3	1.0	S	S	18.3
20	Basic chemicals	12.6	.2	24.2	.7	24.3	.7	15.1
21	Pharmaceutical products	12.5	.4	22.2	—	34.0	—	12.0
22	Fertilizers	11.7	—	12.8	.1	27.9	.3	26.4
23	Chemical products and preparations, n.e.c.	19.7	.7	32.2	.2	32.5	.2	17.1
24	Plastics and rubber	6.9	.2	8.4	—	10.7	—	12.7
25	Logs and other wood in the rough	33.8	—	34.5	.6	33.4	.1	S
26	Wood products	6.7	.2	5.5	.1	6.3	.4	19.8
27	Pulp, newsprint, paper, and paperboard	13.5	.1	18.3	—	29.2	—	14.4
28	Paper or paperboard articles	10.1	.1	11.5	—	23.0	—	15.7
29	Printed products	8.9	.3	15.1	—	13.9	—	23.8
30	Textiles, leather, and articles of textiles or leather	11.1	.3	13.7	—	20.7	—	8.1
31	Nonmetallic mineral products	7.9	.2	8.7	.8	18.3	.3	25.0
32	Base metal in primary or semifinished forms and in finished basic shapes	13.7	.6	8.1	.1	15.7	.3	13.8
33	Articles of base metal	9.1	.3	16.8	—	20.5	.1	15.8
34	Machinery	8.8	.5	11.2	—	21.1	—	12.2
35	Electronic and other electrical equipment and components and office equipment	13.5	2.0	17.2	—	19.3	—	9.3
36	Motorized and other vehicles (including parts)	15.4	.6	24.4	—	42.7	—	16.8
37	Transportation equipment, n.e.c.	21.6	.5	S	S	46.3	—	23.3
38	Precision instruments and apparatus	13.4	.3	16.5	—	21.3	—	6.7
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	26.4	.5	21.8	—	19.6	—	14.5
40	Miscellaneous manufactured products	12.3	.8	33.0	.1	21.0	.1	6.5
41	Waste and scrap	28.3	—	47.6	.5	45.3	.3	21.6
43	Mixed freight	11.3	.3	12.6	—	19.6	—	23.3
—	Commodity unknown	22.2	—	46.3	—	S	S	12.2

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	3.5	—	5.2	—	11.3	—	10.3
010	Live animals and live fish	S	S	S	S	S	S	29.6
021	Wheat	16.0	—	15.5	.2	21.3	.4	32.8
022	Corn, except sweet	29.7	—	32.8	.1	49.2	—	S
029	Other cereal grains	24.6	—	23.7	—	46.3	—	41.4
031	Fresh or chilled potatoes (Irish potatoes), except sweet	31.8	—	S	S	S	S	18.4
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	29.7	.2	46.8	.2	S	S	S
033	Fresh, chilled, or dried edible fruit and nuts	35.2	.1	41.0	—	S	S	24.6
034	Soya beans	S	S	S	S	S	S	S
035	Oil seeds and nuts, except olives and soya beans	33.3	—	32.7	—	37.6	—	25.1
036	Bulbs, live plants, and seeds for sowing, n.e.c.	30.1	—	38.2	—	42.4	—	21.0
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	34.6	—	34.5	—	48.2	—	27.9
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	29.3	—	26.1	—	27.0	—	S
042	Animal feed preparations	23.1	.2	21.6	.3	21.4	—	S
051	Meat including poultry, except preparations	10.9	.3	12.0	—	16.2	.1	19.3
052	Fish, except live, and seafood, except preparations	45.0	.1	41.1	—	44.6	—	45.7
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	22.3
061	Wheat flour, groats, and meal	35.2	—	39.7	—	34.3	—	30.0
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	S	S	38.0	—	46.8	—	S
063	Food preparations of cereals, flour, starch, or milk	30.2	—	22.7	—	26.0	—	16.5
064	Bakery products	19.4	.2	17.3	—	36.6	—	30.5
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	15.1	.3	22.0	.2	19.8	—	36.5
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	11.3	.1	11.1	—	14.9	.1	30.0
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	32.5	—	42.7	—	29.4	—	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	45.5	—	S	S	39.4	—	25.3
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	17.1	—	17.0	—	20.7	.1	23.7
076	Confectionery, cocoa, and cocoa preparations	32.0	—	28.7	—	42.0	—	40.0
077	Edible preparations, n.e.c. and vinegar	32.8	.1	29.2	—	35.8	—	17.0
078	Nonalcoholic beverages, n.e.c. and ice	19.6	.2	30.9	.3	34.5	—	S
081	Malt Beer	13.6	.3	25.1	.2	43.0	.7	23.6
082	Wine and other fermented beverages	25.1	—	27.7	—	S	S	18.0
083	Spirituos beverages and ethyl alcohol	20.7	—	18.6	—	19.0	—	6.1
090	Tobacco products	36.1	.1	36.2	—	S	S	17.6
100	Monumental or building stone, except dolomite	S	S	33.3	—	32.6	—	S
110	Natural sands, except metal-bearing	42.9	—	26.9	.6	15.2	—	S
120	Gravel and crushed stone, except dolomite and slate	25.1	—	24.9	2.1	27.5	.4	9.9
131	Salt	S	S	S	S	S	S	21.0
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	23.1
133	Dolomite	S	S	S	S	S	S	26.3
139	Other nonmetallic minerals	25.9	—	17.2	.2	22.4	.3	12.3
141	Iron ores and concentrates	38.2	—	39.6	—	43.9	—	30.5
149	Other metallic ores and concentrates	15.6	.2	32.4	.4	23.8	.2	14.4
151	Nonagglomerated bituminous coal	6.3	.1	10.3	3.0	15.3	3.6	S
159	Other coal	S	S	S	S	S	S	23.4
171	Gasoline	10.3	.2	9.7	.4	40.2	.4	22.5
172	Aviation turbine fuel (types A and B)	29.1	—	29.9	—	25.4	—	S
180	Fuel oils	10.8	.1	11.7	.4	17.4	.2	12.7
191	Lubricating oils and greases	29.5	—	29.5	—	35.6	—	29.0
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	S	S	S	S	S	S	31.6
193	Gaseous hydrocarbons	30.6	—	28.0	—	25.8	—	S
199	Other products of petroleum refining, and coal products	15.4	.1	33.4	1.0	S	S	12.8
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	39.1	—	S	S	S	S	34.3
202	Inorganic chemicals, n.e.c.	14.7	.1	24.2	.7	23.4	.7	29.5
203	Cyclic hydrocarbons	S	S	S	S	S	S	31.2
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	30.1	—	33.7	—	40.7	—	43.9
205	Organic chemicals, n.e.c.	30.3	.1	24.0	—	29.6	—	15.4
210	Pharmaceutical products	12.5	.4	22.2	—	34.0	—	12.0
220	Fertilizers and fertilizer materials	11.7	—	12.8	.1	27.9	.3	26.4
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	25.3	—	28.5	—	36.1	—	28.1
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	39.3	.2	34.1	—	41.4	—	16.3
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	S	S	42.3	.1	40.2	.2	22.1
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	44.6	.5	44.1	—	46.3	—	15.0
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	25.2	.1	21.2	—	21.3	—	30.4
239	Other chemical products and preparations	19.9	—	41.0	—	20.0	—	18.1
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	23.4	—	45.9	—	31.0	—	27.7
242	Manmade fibers and plastics basic shapes and articles	9.5	.2	10.4	—	13.2	—	14.1

See footnotes at end of table.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	22.7	—	34.4	—	21.1	—	32.3
250	Logs and other wood in the rough	33.8	—	34.5	.6	33.4	.1	S
261	Wood chips or particles	43.6	—	22.3	—	32.8	—	29.8
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	5.0	—	5.3	—	9.3	.3	17.5
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	14.3	—	8.8	—	13.8	—	16.2
264	Builders' joinery and carpentry of wood, except shingles and shakes	34.5	.1	42.0	—	29.8	—	18.9
269	Other wood products	41.3	—	S	S	31.4	—	18.8
271	Pulp of fibrous cellulosic materials	37.4	—	48.1	—	S	S	20.2
272	Newsprint in large rolls or sheets	46.1	—	46.9	—	47.8	—	46.1
273	Uncoated paper and paperboard in large rolls or sheets	14.8	—	26.3	—	38.8	—	14.7
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	26.6	—	26.9	—	41.7	—	22.8
280	Paper or paperboard articles	10.1	.1	11.5	—	23.0	—	15.7
291	Printed books, brochures, leaflets, and similar printed products	20.2	.2	19.7	—	21.4	—	8.8
292	Newspapers, journals, and periodicals	16.3	.2	22.1	—	26.5	—	26.9
293	Advertising material, commercial or trade catalogues, and similar printed products	37.2	.2	46.0	—	S	S	12.4
299	Other printed products	16.1	.1	17.9	—	17.9	—	11.1
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	35.4	—	31.9	—	23.5	—	13.1
302	Textile clothing and accessories, and headgear, except safety	14.3	.2	28.9	—	34.4	—	7.6
303	Textiles and textile articles, n.e.c.	18.1	.1	20.1	—	21.6	—	10.6
304	Footwear	30.2	—	28.8	—	35.1	—	10.3
305	Leather and articles, luggage of related materials, and dressed furskins and articles	26.4	—	34.8	—	38.9	—	12.9
311	Hydraulic cements	16.1	—	19.4	.3	15.0	—	18.5
312	Ceramic products	19.4	—	36.7	—	29.2	—	15.0
313	Glass and glass products	20.9	—	34.5	—	39.8	—	47.3
319	Other nonmetallic mineral products	11.0	.1	10.7	.8	22.2	.2	23.6
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	42.6	.1	39.4	—	35.8	—	S
322	Flat-rolled products of iron or steel	15.5	—	18.6	—	24.4	—	21.8
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	15.8	—	20.0	.1	28.8	.2	15.9
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	19.8	.6	17.1	—	24.8	.1	10.5
331	Pipes, tubes, and fittings	16.7	.1	20.8	—	30.1	—	17.4
332	Structures and parts, except prefabricated buildings	16.5	.1	21.3	—	29.1	—	38.7
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	11.8	—	15.5	—	17.0	—	14.7
339	Other articles of metal	13.4	.1	34.3	—	30.9	—	26.6
341	Internal-combustion piston engines	16.7	—	21.4	—	26.7	—	31.2
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	33.0	.1	18.7	—	49.4	—	16.0
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	25.4	.1	29.9	—	35.4	—	25.0
344	Air-conditioning, refrigerating, or freezing equipment	19.5	—	28.0	—	34.8	—	49.7
345	Materials-handling, excavating, boring, and related machinery and equipment	24.4	.4	21.3	—	33.6	—	39.6
349	Other machinery	18.1	.3	19.5	—	32.2	—	10.7
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	25.1	—	40.3	—	49.2	—	19.7
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	45.2	—	S	S	35.1	—	20.5
353	Line telephone or telegraph apparatus	S	S	S	S	S	S	10.2
354	Electronic entertainment products, except parts	29.8	—	23.2	—	34.1	—	11.1
355	Computer and office equipment	24.6	1.7	25.8	—	27.8	—	9.9
356	Prepared unrecorded or prerecorded media	22.5	.1	35.8	—	37.7	—	8.3
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	37.2	.1	45.6	—	45.9	—	18.7
358	Electronic components and parts	22.9	1.2	28.0	—	40.7	—	7.2
359	Other electronic and electrical equipment	7.8	.3	24.3	—	26.1	—	25.8
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	47.7	—	41.6	—	S	S	22.2
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	25.2	—	36.4	—	48.3	—	45.7
363	Other vehicles	28.3	.2	14.0	—	15.0	—	30.5
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	20.2	.6	33.3	—	S	S	18.0
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	47.1	—	S	S	S	S	21.5
372	Aircraft and spacecraft	23.3	.5	30.4	—	35.6	—	27.5
373	Ships, boats, and floating structures	42.3	—	46.7	—	49.0	—	17.0
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	27.8	—	36.0	—	14.4
382	Photographic and photocopying machines	39.5	—	S	S	S	S	41.0
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	35.1	.2	48.7	—	S	S	15.4
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	15.3	.1	25.3	—	27.8	—	8.4

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	12.1	—	17.3	—	21.4	—	11.4
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	26.4	.5	21.8	—	19.6	—	14.5
401	Arms and ammunition	30.1	—	45.8	—	33.7	—	16.3
402	Toys, games, and sporting equipment	24.1	.2	25.5	—	26.8	—	6.0
409	Miscellaneous manufactured products	13.7	.8	35.0	.1	24.2	—	6.7
411	Metallic waste and scrap	30.7	—	S	S	S	S	32.1
412	Nonmetallic waste and scrap, except from food processing	33.6	—	32.4	—	35.8	—	22.0
439	Mixed freight	11.3	.3	12.6	—	19.6	—	23.3
—	Commodity unknown	22.2	—	46.3	—	S	S	12.2

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	3.5	—	5.2	—	11.3	—	10.3
Single modes	3.0	1.4	5.6	1.7	12.2	2.8	10.5
Truck	2.9	1.8	7.1	3.0	5.5	2.3	8.4
For-hire truck	4.5	1.3	7.0	1.6	7.2	1.7	4.8
Private truck	3.6	1.2	9.8	2.3	11.2	.8	7.5
Rail	10.0	.7	10.7	3.1	14.3	3.4	3.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	17.0	.9	18.7	—	24.5	—	1.6
Pipeline	22.9	.1	25.4	.5	S	S	S
Multiple modes	10.1	1.5	27.9	1.2	27.0	2.8	9.7
Parcel, U.S. Postal Service or courier	10.6	1.5	11.4	—	11.9	—	9.7
Truck and rail	18.9	.1	S	S	S	S	14.3
Truck and water	42.6	—	38.5	—	22.5	—	10.5
Rail and water	29.2	—	29.5	1.0	28.5	2.6	15.6
Other multiple modes	S	S	S	S	S	S	21.2
Other and unknown modes	6.7	.2	24.3	.9	18.7	.2	15.7
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	S	S	S	S	S	S	29.6
Single modes	S	S	S	S	S	S	29.6
Truck	S	S	S	S	S	S	29.6
For-hire truck	S	S	S	S	S	S	21.9
Private truck	S	S	41.7	10.7	S	S	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	—	—	—	—	—	—	—
SCTG 02, CEREAL GRAINS							
Total	13.5	—	13.9	—	21.0	—	15.5
Single modes	15.5	4.8	15.8	4.8	21.7	4.2	12.6
Truck	19.5	6.8	20.5	6.8	26.8	6.6	13.4
For-hire truck	22.9	5.0	23.0	5.2	28.8	5.4	22.6
Private truck	26.2	4.7	28.9	5.5	S	S	28.8
Rail	23.8	6.0	23.2	5.9	24.3	6.6	13.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	17.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.0
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	21.7	—	30.6	—	36.2	—	23.8
Single modes	22.1	1.1	30.8	.7	36.3	1.3	32.0
Truck	22.3	1.4	31.4	1.2	37.6	2.4	32.4
For-hire truck	33.8	7.1	43.0	8.3	40.2	7.8	13.5
Private truck	22.7	7.6	23.6	8.8	27.5	8.6	S
Rail	S	S	S	S	S	S	17.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	33.0	.5	S	S	42.3	1.3	13.4
Parcel, U.S. Postal Service or courier	48.8	.2	33.9	—	39.2	—	14.2
Truck and rail	47.5	.3	S	S	45.8	1.3	25.2
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	38.1	1.0	34.4	.6	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	20.1	—	17.6	—	17.4	—	S
Single modes	17.7	4.0	19.1	3.3	20.2	5.6	40.0
Truck	18.3	4.3	20.4	3.8	23.7	6.2	40.6
For-hire truck	23.0	6.0	25.0	4.7	26.5	6.8	14.6
Private truck	28.0	6.6	23.5	5.5	31.5	5.3	39.4
Rail	35.5	1.2	27.6	2.2	28.0	4.6	15.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	48.2	—	42.5	.2	S	S	S
Multiple modes	40.4	2.3	42.8	.9	39.2	3.0	20.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.0
Truck and rail	42.7	2.3	47.8	.9	47.9	3.1	19.3
Truck and water	S	S	S	S	S	S	21.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	11.5	—	11.7	—	16.2	—	29.1
Single modes	11.4	.1	11.7	.4	16.2	—	31.9
Truck	11.3	.3	11.7	1.0	16.0	1.8	32.2
For-hire truck	17.6	6.6	16.8	6.8	19.0	7.0	9.1
Private truck	17.9	6.5	15.6	6.8	46.8	6.4	26.1
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	24.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	24.0
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	28.3

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	13.7	—	15.6	—	22.1	—	22.1
Single modes	14.8	3.7	16.2	2.8	22.2	.7	26.6
Truck	14.9	3.7	17.0	3.4	23.7	2.9	26.6
For-hire truck	26.5	6.0	20.8	4.7	25.0	4.5	9.3
Private truck	22.0	6.3	19.3	5.5	31.4	3.4	19.8
Rail	33.1	.4	34.7	1.4	35.8	3.0	19.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	18.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.5
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	32.5
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	8.0	—	12.2	—	8.3	—	S
Single modes	8.1	.8	12.1	1.1	8.4	.4	S
Truck	8.8	1.8	13.3	3.2	9.4	5.4	S
For-hire truck	14.0	3.3	13.8	3.0	12.1	4.8	7.9
Private truck	9.9	3.7	15.2	4.4	9.4	3.8	45.4
Rail	20.4	1.7	21.9	3.2	21.0	5.5	8.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	44.5	—	48.3	—	19.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	10.7
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	11.9
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	38.5	.8	40.7	1.1	37.9	.3	46.0
SCTG 08, ALCOHOLIC BEVERAGES							
Total	11.5	—	23.9	—	42.8	—	16.0
Single modes	11.4	.6	23.8	.5	43.0	.4	15.5
Truck	10.2	5.2	11.7	9.9	27.1	16.1	8.0
For-hire truck	31.5	2.9	28.2	3.5	33.4	6.9	19.5
Private truck	8.8	6.9	13.5	11.2	S	S	5.9
Rail	40.1	4.9	45.3	9.7	47.3	15.8	18.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	32.7
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.3

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	36.1	—	36.2	—	S	S	17.6
Single modes	23.8	7.3	30.0	5.1	S	S	18.9
Truck	23.1	7.6	29.6	5.2	43.3	14.1	18.4
For-hire truck	S	S	S	S	S	S	22.0
Private truck	23.0	9.2	29.1	7.8	31.1	13.2	12.1
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	18.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.5
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	30.8
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	S	S	33.3	—	32.6	—	S
Single modes	S	S	34.0	1.6	32.5	1.6	S
Truck	S	S	34.9	2.3	33.3	5.3	S
For-hire truck	30.4	8.1	49.8	8.7	36.8	10.2	31.7
Private truck	S	S	S	S	46.4	11.4	S
Rail	S	S	S	S	S	S	21.8
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.0
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	21.2
SCTG 11, NATURAL SANDS							
Total	42.9	—	26.9	—	15.2	—	S
Single modes	43.4	1.4	27.3	1.1	15.7	2.9	S
Truck	46.3	6.6	28.1	6.5	21.8	7.9	S
For-hire truck	27.1	7.3	37.2	7.2	23.1	7.3	S
Private truck	S	S	33.3	8.3	27.5	9.1	S
Rail	49.6	6.3	42.8	6.4	39.7	7.3	20.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	23.3

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	25.1	—	24.9	—	27.5	—	9.9
Single modes	25.6	2.9	25.2	3.2	27.7	1.7	10.2
Truck	25.9	4.2	25.7	3.8	29.9	5.8	10.3
For-hire truck	23.9	4.6	21.7	5.2	26.3	5.0	S
Private truck	31.1	6.2	30.4	7.1	36.4	7.6	10.9
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	19.0
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	21.8	—	20.9	—	22.6	—	16.7
Single modes	22.3	2.1	21.4	1.5	23.1	2.4	14.8
Truck	28.2	5.8	21.8	5.2	42.3	3.5	16.1
For-hire truck	36.2	4.7	31.6	3.5	44.7	3.3	8.9
Private truck	44.1	5.0	31.7	4.8	33.8	.8	21.8
Rail	27.3	6.4	33.9	5.6	23.3	4.6	5.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	42.7	1.3	33.0	.4	S	S	47.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	34.0
Truck and rail	S	S	33.5	.4	S	S	16.1
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	50.0	1.0	46.7	1.3	46.5	1.7	S
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	15.6	—	32.3	—	23.8	—	14.4
Single modes	16.0	3.0	32.9	1.4	26.7	5.2	15.0
Truck	20.1	5.8	14.8	7.8	15.2	7.1	31.1
For-hire truck	22.0	5.8	17.1	7.0	17.7	7.3	31.2
Private truck	30.4	2.6	34.0	2.2	43.1	1.3	29.5
Rail	28.3	6.3	39.8	9.4	34.1	8.7	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	23.9
Pipeline	46.1	2.8	46.0	4.1	S	S	S
Multiple modes	S	S	26.1	1.3	23.1	5.2	47.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	37.4	1.3	26.2	1.3	23.2	5.2	15.1
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	29.8

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	6.3	—	10.3	—	15.3	—	S
Single modes	6.6	2.7	10.8	3.3	16.7	3.8	S
Truck	28.6	2.8	29.7	2.2	34.5	.2	16.8
For-hire truck	31.4	1.8	31.2	1.6	27.9	.2	28.4
Private truck	S	S	S	S	S	S	19.6
Rail	9.3	4.6	12.9	4.3	16.9	3.9	10.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	46.0	1.6	45.9	1.0	S	S	S
Multiple modes	29.1	1.3	29.5	2.1	28.5	3.8	15.9
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	29.2	1.3	29.5	2.1	28.5	3.8	15.6
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	28.9	2.0	31.1	1.6	S	S	S
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	10.6	—	10.0	—	39.8	—	22.5
Single modes	10.6	.3	10.0	.2	39.9	.3	28.6
Truck	10.5	3.4	9.7	3.6	41.5	5.0	29.0
For-hire truck	19.2	3.3	18.5	3.5	S	S	35.6
Private truck	11.8	3.7	11.1	3.7	S	S	32.0
Rail	S	S	S	S	S	S	20.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	35.6	2.9	34.1	3.3	S	S	S
Multiple modes	S	S	S	S	S	S	21.0
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	21.0
Other and unknown modes	S	S	48.3	.1	S	S	S
SCTG 18, FUEL OILS							
Total	10.8	—	11.7	—	17.4	—	12.7
Single modes	10.9	.8	11.9	.8	17.6	.9	12.8
Truck	8.8	2.9	10.1	3.5	17.5	7.2	13.7
For-hire truck	15.9	4.7	16.0	4.8	28.9	5.5	20.1
Private truck	11.1	3.9	12.6	4.2	12.1	6.3	14.0
Rail	33.0	1.4	27.9	1.9	25.3	7.0	17.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	44.0	2.6	44.7	3.0	S	S	S
Multiple modes	46.5	—	48.9	—	S	S	30.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	47.2	—	49.8	—	S	S	21.2
Other and unknown modes	S	S	S	S	S	S	31.0

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	12.5	—	30.3	—	S	S	18.3
Single modes	12.9	2.8	20.2	6.5	42.0	10.9	19.3
Truck	14.2	4.8	21.3	8.2	15.9	11.7	13.0
For-hire truck	20.1	5.4	26.6	7.8	20.2	10.9	13.7
Private truck	18.7	4.1	17.6	4.7	26.0	2.1	15.3
Rail	26.1	4.3	48.4	5.8	S	S	13.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	33.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	40.6
Truck and rail	S	S	S	S	S	S	20.6
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	38.4	.7	S	S	S	S	34.1
SCTG 20, BASIC CHEMICALS							
Total	12.6	—	24.2	—	24.3	—	15.1
Single modes	15.0	5.8	24.2	1.3	24.2	2.6	26.7
Truck	16.5	4.3	25.4	4.3	22.8	4.0	30.5
For-hire truck	27.6	3.6	32.7	3.3	26.1	3.4	16.5
Private truck	19.3	3.9	40.6	4.9	S	S	25.7
Rail	20.5	5.4	25.6	5.1	25.1	6.1	7.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.7
Pipeline	46.2	.5	S	S	S	S	S
Multiple modes	30.6	5.8	49.6	1.2	44.0	2.6	11.5
Parcel, U.S. Postal Service or courier	35.2	5.6	34.3	.2	44.9	.3	12.8
Truck and rail	S	S	S	S	47.3	2.5	17.9
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	26.4	—	S	S	S	S	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	12.5	—	22.2	—	34.0	—	12.0
Single modes	25.5	6.6	28.4	7.6	46.8	10.1	49.1
Truck	23.6	6.0	28.1	7.5	47.0	10.0	37.5
For-hire truck	25.5	5.9	41.2	7.2	49.0	10.6	S
Private truck	44.7	3.8	40.2	5.8	S	S	S
Rail	S	S	S	S	S	S	21.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	14.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	18.4	6.6	25.8	8.1	19.9	9.8	10.5
Parcel, U.S. Postal Service or courier	18.4	6.6	25.3	8.1	19.9	9.8	10.5
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	30.7

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	11.7	—	12.8	—	27.9	—	26.4
Single modes	12.0	.8	12.8	.2	27.9	—	24.0
Truck	14.3	4.8	13.0	4.6	10.3	5.2	23.2
For-hire truck	22.9	4.3	22.1	4.6	17.3	3.3	12.9
Private truck	22.2	6.4	21.0	5.7	22.3	3.9	37.2
Rail	28.2	4.5	30.1	4.6	37.5	5.2	6.3
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	30.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	30.3
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	48.4	.8	38.0	.2	49.0	—	19.5
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	19.7	—	32.2	—	32.5	—	17.1
Single modes	21.2	4.0	33.8	2.0	34.7	4.0	29.2
Truck	21.4	4.2	34.6	2.9	34.5	4.5	27.6
For-hire truck	25.0	6.7	34.3	5.5	36.8	6.6	21.6
Private truck	28.5	4.4	38.8	4.8	41.1	4.8	27.4
Rail	49.4	.2	47.0	.6	S	S	20.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	41.8	.1	42.8	—	S	S	13.9
Pipeline	46.3	.1	46.2	.9	S	S	S
Multiple modes	20.3	3.8	28.3	2.1	36.4	4.2	10.4
Parcel, U.S. Postal Service or courier	20.7	3.5	24.8	1.4	38.9	2.4	10.4
Truck and rail	45.5	.5	45.1	1.7	46.4	3.8	20.5
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	24.1	1.0	S	S	S	S	S
SCTG 24, PLASTICS AND RUBBER							
Total	6.9	—	8.4	—	10.7	—	12.7
Single modes	5.7	3.2	9.0	1.9	11.7	2.1	23.4
Truck	5.9	3.2	9.0	1.9	11.7	2.1	17.3
For-hire truck	10.6	3.0	11.4	4.1	13.6	4.3	9.4
Private truck	10.3	3.4	13.1	3.9	18.3	3.2	15.2
Rail	S	S	S	S	S	S	21.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	26.4	.3	37.7	—	22.4	.2	11.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	22.4	3.2	28.3	1.3	26.8	1.8	8.2
Parcel, U.S. Postal Service or courier	22.4	3.2	28.4	1.3	27.0	1.8	8.2
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	24.2	.9	47.9	1.5	S	S	46.3

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	33.8	—	34.5	—	33.4	—	S
Single modes	34.8	2.4	36.0	3.5	34.7	3.0	S
Truck	35.3	6.6	36.2	7.6	35.1	7.1	S
For-hire truck	46.0	8.6	S	S	49.4	9.0	S
Private truck	S	S	S	S	S	S	S
Rail	36.3	5.8	44.9	6.8	48.6	6.3	21.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	25.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 26, WOOD PRODUCTS							
Total	6.7	—	5.5	—	6.3	—	19.8
Single modes	7.2	1.0	5.8	1.8	5.6	1.9	18.8
Truck	8.5	2.0	7.4	2.5	11.0	3.3	21.3
For-hire truck	9.3	3.1	10.1	3.2	12.1	2.9	8.8
Private truck	14.6	3.5	12.0	3.1	12.4	.8	14.2
Rail	7.2	1.3	6.5	1.5	6.7	2.9	2.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	24.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	23.4	.5	40.4	.4	40.4	.7	14.2
Parcel, U.S. Postal Service or courier	33.8	.4	31.7	—	36.3	—	15.2
Truck and rail	28.0	.2	42.3	.4	41.7	.7	29.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	27.0	.7	S	S	S	S	S
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	13.5	—	18.3	—	29.2	—	14.4
Single modes	12.2	3.2	18.1	3.3	29.6	2.9	19.5
Truck	12.6	4.5	12.8	7.1	22.5	9.5	20.2
For-hire truck	16.7	4.3	17.6	4.5	22.9	7.2	15.4
Private truck	14.7	5.9	14.2	7.5	S	S	20.0
Rail	35.0	3.0	41.4	6.2	42.5	9.6	16.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	46.3	3.2	S	S	S	S	9.9
Parcel, U.S. Postal Service or courier	23.3	.4	25.7	.3	30.0	.9	10.4
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	49.1	.7	S	S	33.8

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	10.1	—	11.5	—	23.0	—	15.7
Single modes	11.6	3.2	12.1	1.6	25.0	2.7	15.9
Truck	11.6	3.6	10.7	3.0	17.2	5.7	11.3
For-hire truck	18.6	4.5	16.1	4.2	19.8	4.4	13.3
Private truck	12.3	4.0	14.5	3.9	15.2	3.3	19.5
Rail	S	S	S	S	S	S	21.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	16.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	31.2	3.3	49.1	1.4	40.5	2.7	12.0
Parcel, U.S. Postal Service or courier	36.3	3.2	31.6	.9	45.0	2.2	12.2
Truck and rail	S	S	S	S	S	S	23.0
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	48.7	.6	S	S	S	S	S
SCTG 29, PRINTED PRODUCTS							
Total	8.9	—	15.1	—	13.9	—	23.8
Single modes	10.2	4.6	18.4	4.7	22.3	6.3	S
Truck	10.8	4.5	18.7	4.8	20.6	5.7	32.6
For-hire truck	12.2	2.0	19.0	4.0	23.9	5.5	27.0
Private truck	14.4	4.5	23.4	6.2	25.9	3.8	24.1
Rail	S	S	S	S	S	S	21.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	47.4	2.0	5.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	23.5	4.7	39.8	3.6	23.9	6.3	35.9
Parcel, U.S. Postal Service or courier	23.5	4.7	39.8	3.6	23.9	6.3	35.9
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	22.5	1.6	39.4	3.7	S	S	20.7
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	11.1	—	13.7	—	20.7	—	8.1
Single modes	13.9	4.5	15.6	3.1	28.5	4.8	21.3
Truck	14.2	4.7	15.6	3.1	28.8	5.2	24.8
For-hire truck	20.4	4.7	21.9	4.9	35.2	5.8	6.7
Private truck	13.5	2.7	23.2	6.1	18.5	2.4	36.1
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	41.4	.7	34.6	.2	39.3	.6	7.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	21.3	4.6	14.3	2.7	15.6	4.8	6.2
Parcel, U.S. Postal Service or courier	21.3	4.6	14.3	2.7	15.6	4.8	6.2
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	31.7	.9	S	S	35.8	.3	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	7.9	—	8.7	—	18.3	—	25.0
Single modes	7.9	1.1	8.7	.5	18.5	2.4	12.9
Truck	7.9	1.6	9.1	1.6	10.0	4.8	7.5
For-hire truck	14.6	2.8	14.6	2.0	15.7	2.7	26.0
Private truck	7.8	2.8	10.2	2.7	9.8	4.1	6.1
Rail	16.6	.6	24.6	1.3	36.6	4.1	6.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	37.5	.6	42.9	—	S	S	12.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	22.4	.8	41.0	.3	27.3	.9	10.5
Parcel, U.S. Postal Service or courier	28.8	.7	S	S	S	S	11.1
Truck and rail	30.6	.3	45.4	.3	31.6	.9	S
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	32.4	.8	44.4	.5	S	S	21.9
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	13.7	—	8.1	—	15.7	—	13.8
Single modes	14.7	1.3	8.5	.8	16.9	1.8	12.9
Truck	12.3	4.2	7.2	4.2	13.3	6.0	14.6
For-hire truck	15.1	4.1	10.6	4.5	14.5	5.9	7.6
Private truck	13.2	2.0	12.3	2.7	19.2	.7	13.7
Rail	26.9	4.1	19.8	4.0	25.9	6.3	9.8
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	33.5	.2	S	S	S	S	9.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	29.8	.9	33.2	.5	40.0	1.2	8.2
Parcel, U.S. Postal Service or courier	39.3	.8	25.9	—	31.6	—	8.2
Truck and rail	42.0	.4	36.9	.5	43.3	1.1	20.4
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	28.6	.8	26.1	.7	41.7	1.5	34.9
SCTG 33, ARTICLES OF BASE METAL							
Total	9.1	—	16.8	—	20.5	—	15.8
Single modes	10.9	2.8	17.2	2.7	21.7	4.5	17.5
Truck	10.4	3.0	14.8	3.5	16.4	5.4	15.3
For-hire truck	11.2	2.4	15.6	2.4	16.9	4.3	7.5
Private truck	12.4	3.0	16.6	3.5	15.2	1.3	10.3
Rail	S	S	48.0	2.8	S	S	20.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	46.9	.8	S	S	S	S	9.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	17.0	2.6	20.3	.4	31.8	1.4	7.3
Parcel, U.S. Postal Service or courier	18.1	2.7	13.4	.2	16.7	.7	7.3
Truck and rail	S	S	S	S	S	S	19.8
Truck and water	S	S	S	S	S	S	18.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	18.0	1.2	25.7	2.7	37.4	4.5	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	8.8	—	11.2	—	21.1	—	12.2
Single modes	10.1	2.2	12.6	2.6	22.7	2.8	19.3
Truck	11.1	2.8	12.7	2.6	22.9	3.2	22.0
For-hire truck	17.7	4.4	20.1	5.4	24.9	4.6	9.5
Private truck	10.5	3.2	13.9	4.4	16.1	2.7	21.1
Rail	S	S	S	S	S	S	21.3
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	26.2	1.3	15.1	.1	17.7	1.0	6.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	11.4	1.3	15.7	.7	46.3	2.0	10.1
Parcel, U.S. Postal Service or courier	11.6	1.3	10.4	.6	13.9	1.6	10.2
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	S	S	S	S	S	S	21.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	17.6	1.5	23.6	2.5	39.9	2.0	25.0
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	13.5	—	17.2	—	19.3	—	9.3
Single modes	17.2	4.3	18.1	2.7	18.5	4.5	18.9
Truck	17.1	3.5	18.0	2.6	17.0	3.9	28.2
For-hire truck	21.8	3.2	15.9	3.2	15.0	5.0	10.8
Private truck	15.3	1.8	30.4	4.1	S	S	24.7
Rail	42.9	—	48.9	.3	S	S	18.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	20.9	2.4	27.9	.6	31.5	1.4	3.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	20.8	4.3	21.4	2.9	27.9	4.5	5.7
Parcel, U.S. Postal Service or courier	20.8	4.3	21.9	3.0	28.4	4.6	5.7
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	21.9	.6	22.0	1.1	30.5	.5	23.3
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	15.4	—	24.4	—	42.7	—	16.8
Single modes	18.1	3.3	25.9	3.4	46.1	5.0	18.4
Truck	18.6	3.2	26.3	3.5	46.9	5.2	15.1
For-hire truck	24.1	5.6	35.9	5.1	49.6	6.7	13.6
Private truck	8.8	3.7	14.3	3.7	17.5	2.6	18.0
Rail	S	S	S	S	S	S	28.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	28.4	1.0	29.1	.5	30.0	1.6	8.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	21.7	2.6	18.5	1.3	27.7	2.6	11.6
Parcel, U.S. Postal Service or courier	23.3	2.6	20.1	1.2	29.3	2.6	11.6
Truck and rail	S	S	S	S	S	S	27.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	23.0	1.8	27.4	2.8	33.8	3.2	23.0

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	21.6	—	S	S	46.3	—	23.3
Single modes	21.5	2.9	S	S	48.6	3.1	10.4
Truck	25.2	4.3	S	S	36.2	6.9	15.3
For-hire truck	23.9	4.2	S	S	36.6	6.9	14.9
Private truck	S	S	S	S	S	S	S
Rail	20.7	5.1	S	S	S	S	21.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	30.6	3.5	30.3	3.2	30.7	3.1	9.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	28.8	2.9	S	S	40.2	3.0	28.4
Parcel, U.S. Postal Service or courier	28.8	2.9	S	S	40.2	3.0	28.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	37.9	1.0	S	S	S	S	S
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	13.4	—	16.5	—	21.3	—	6.7
Single modes	14.6	3.9	21.1	4.8	28.5	5.6	15.6
Truck	12.1	4.1	22.6	5.6	31.1	6.8	42.5
For-hire truck	15.7	3.3	25.3	5.3	28.9	6.2	12.8
Private truck	18.7	2.4	26.3	3.6	S	S	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	25.7	3.2	21.3	1.6	23.3	2.6	4.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	16.4	3.8	17.9	4.9	18.0	5.8	6.1
Parcel, U.S. Postal Service or courier	16.4	3.8	17.9	4.9	18.0	5.8	6.1
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	29.4	.9	38.6	.8	37.9	.6	44.5
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	26.4	—	21.8	—	19.6	—	14.5
Single modes	27.4	1.8	22.2	1.5	18.7	3.7	20.9
Truck	27.6	1.9	22.4	1.6	19.3	4.1	22.2
For-hire truck	16.5	4.6	15.8	4.0	20.9	4.8	7.6
Private truck	37.3	4.9	29.5	4.1	18.0	3.0	17.8
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	18.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	38.7	1.6	34.6	1.2	41.3	3.5	10.6
Parcel, U.S. Postal Service or courier	41.3	1.6	34.5	.7	36.2	2.7	10.6
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	S	S	S	S	S	S	21.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	31.3	.9	38.9	.9	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	12.3	—	33.0	—	21.0	—	6.5
Single modes	16.8	3.7	35.4	2.4	25.8	4.7	13.0
Truck	17.2	3.9	35.7	2.5	26.5	4.8	15.6
For-hire truck	11.9	3.6	19.8	5.4	10.9	5.7	8.3
Private truck	36.0	3.8	S	S	S	S	29.6
Rail	S	S	S	S	S	S	28.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	49.2	1.8	41.3	.2	S	S	4.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	16.7	3.7	34.4	2.3	37.1	4.6	4.7
Parcel, U.S. Postal Service or courier	16.9	3.8	37.8	2.3	43.2	4.6	4.7
Truck and rail	47.6	.2	49.0	.3	S	S	18.9
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	24.0	.8	24.7	.4	30.6	.5	S
SCTG 41, WASTE AND SCRAP							
Total	28.3	—	47.6	—	45.3	—	21.6
Single modes	30.3	4.8	48.3	3.2	47.1	6.3	21.0
Truck	37.3	6.1	42.6	5.3	27.3	5.8	25.7
For-hire truck	38.9	6.3	48.9	5.2	28.4	5.1	24.2
Private truck	31.8	1.7	32.4	4.1	40.6	1.3	48.7
Rail	33.1	6.7	S	S	S	S	34.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	16.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.1
Truck and rail	S	S	S	S	S	S	15.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	45.2	.5	43.6	.2	43.4	.2	21.3
SCTG 43, MIXED FREIGHT							
Total	11.3	—	12.6	—	19.6	—	23.3
Single modes	11.1	.7	12.6	.5	20.0	1.0	13.5
Truck	11.2	.6	12.6	.5	20.0	1.0	13.5
For-hire truck	48.5	1.5	45.4	1.4	S	S	S
Private truck	11.3	1.7	11.9	1.5	19.0	5.3	16.6
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	49.5	.8	19.9
Parcel, U.S. Postal Service or courier	S	S	S	S	49.5	.8	19.9
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	41.1	.5	S	S	S	S	S

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	22.2	—	46.3	—	S	S	12.2
Single modes	24.9	6.6	46.7	5.4	S	S	29.5
Truck	28.0	7.4	49.6	6.8	39.8	11.4	22.7
For-hire truck	28.2	6.9	45.7	7.7	49.5	10.1	15.3
Private truck	43.6	7.3	S	S	42.2	6.7	27.4
Rail	S	S	S	S	S	S	21.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	39.9	—	39.7	.1	17.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	37.3	6.0	38.9	3.5	43.1	5.1	11.7
Parcel, U.S. Postal Service or courier	37.3	6.0	38.9	3.5	43.1	5.1	11.7
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	49.6	2.6	S	S	26.3

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	3.5	5.2	11.3
Less than 50 miles	3.0	8.2	9.5
50 to 99 miles	7.2	8.4	11.3
100 to 249 miles	6.4	8.9	8.4
250 to 499 miles	8.2	6.6	5.9
500 to 749 miles	6.2	11.6	12.2
750 to 999 miles	6.1	18.3	17.5
1,000 to 1,499 miles	7.1	16.1	16.4
1,500 to 1,999 miles	6.9	20.1	21.7
2,000 miles or more	20.3	14.8	14.9
SCTG 01, Live animals and live fish	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	—	—	—
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	13.5	13.9	21.0
Less than 50 miles	22.3	23.1	25.1
50 to 99 miles	31.8	31.4	31.1
100 to 249 miles	31.0	30.3	32.9
250 to 499 miles	31.5	36.8	38.8
500 to 749 miles	31.5	29.9	30.9
750 to 999 miles	38.0	38.5	39.2
1,000 to 1,499 miles	45.3	45.2	41.1
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	21.7	30.6	36.2
Less than 50 miles	21.6	26.4	22.3
50 to 99 miles	32.9	28.6	29.1
100 to 249 miles	29.4	25.9	28.3
250 to 499 miles	37.3	S	S
500 to 749 miles	27.2	38.3	38.9
750 to 999 miles	49.7	S	S
1,000 to 1,499 miles	36.3	39.2	40.1
1,500 to 1,999 miles	47.5	S	S
2,000 miles or more	28.1	49.5	49.7
SCTG 04, Animal feed and products of animal origin, n.e.c.	20.1	17.6	17.4
Less than 50 miles	31.6	23.8	27.9
50 to 99 miles	34.5	34.9	33.9
100 to 249 miles	31.1	33.0	34.8
250 to 499 miles	20.8	36.1	31.4
500 to 749 miles	32.8	25.5	23.6
750 to 999 miles	26.0	27.9	27.2
1,000 to 1,499 miles	36.3	28.7	28.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	43.2	41.9
SCTG 05, Meat, fish, seafood, and their preparations	11.5	11.7	16.2
Less than 50 miles	14.4	10.8	13.4
50 to 99 miles	19.6	20.2	21.5
100 to 249 miles	28.1	31.5	35.0
250 to 499 miles	29.3	23.6	23.7
500 to 749 miles	19.9	17.3	17.7
750 to 999 miles	22.9	20.7	21.1
1,000 to 1,499 miles	25.3	24.7	23.9
1,500 to 1,999 miles	26.4	27.7	28.9
2,000 miles or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	13.7	15.6	22.1
Less than 50 miles	29.8	23.6	26.3
50 to 99 miles	24.1	24.9	23.2
100 to 249 miles	28.2	30.4	28.4
250 to 499 miles	21.2	19.1	19.6
500 to 749 miles	30.7	28.4	27.8
750 to 999 miles	32.3	43.6	45.6
1,000 to 1,499 miles	48.5	43.1	42.7
1,500 to 1,999 miles	43.8	40.8	41.6
2,000 miles or more	44.1	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	8.0	12.2	8.3
Less than 50 miles	11.7	18.2	18.7
50 to 99 miles	10.7	20.8	22.2
100 to 249 miles	20.8	17.7	18.3
250 to 499 miles	15.3	10.4	10.9
500 to 749 miles	16.4	16.3	15.9
750 to 999 miles	28.9	15.4	15.7
1,000 to 1,499 miles	17.9	15.5	16.6
1,500 to 1,999 miles	16.8	15.7	16.1
2,000 miles or more	27.6	28.2	28.5

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	11.5	23.9	42.8
Less than 50 miles	7.1	9.8	14.8
50 to 99 miles	16.0	25.3	27.2
100 to 249 miles	20.1	23.6	23.0
250 to 499 miles	40.6	34.4	34.1
500 to 749 miles	36.1	43.2	47.4
750 to 999 miles	33.7	41.9	43.0
1,000 to 1,499 miles	42.9	45.0	45.4
1,500 to 1,999 miles	43.5	S	S
2,000 miles or more	—	—	—
SCTG 09, Tobacco products	36.1	36.2	S
Less than 50 miles	29.0	29.5	31.0
50 to 99 miles	34.2	47.8	46.4
100 to 249 miles	32.6	33.3	33.6
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	S	33.3	32.6
Less than 50 miles	S	38.7	36.1
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	48.3	47.9
750 to 999 miles	S	S	S
1,000 to 1,499 miles	44.9	44.5	44.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	42.9	26.9	15.2
Less than 50 miles	S	30.3	26.0
50 to 99 miles	32.6	48.2	47.1
100 to 249 miles	34.0	42.7	40.6
250 to 499 miles	44.2	45.0	45.0
500 to 749 miles	44.8	44.4	49.8
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	37.9	37.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 12, Gravel and crushed stone	25.1	24.9	27.5
Less than 50 miles	25.8	25.4	27.7
50 to 99 miles	27.3	27.6	28.7
100 to 249 miles	46.3	S	S
250 to 499 miles	S	46.0	44.0
500 to 749 miles	—	—	—
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	21.8	20.9	22.6
Less than 50 miles	37.8	S	S
50 to 99 miles	28.4	32.6	32.5
100 to 249 miles	29.7	24.0	27.8
250 to 499 miles	41.7	34.3	31.2
500 to 749 miles	33.7	35.1	31.7
750 to 999 miles	34.2	22.9	22.4
1,000 to 1,499 miles	32.2	29.9	29.4
1,500 to 1,999 miles	32.8	32.2	31.7
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	15.6	32.3	23.8
Less than 50 miles	29.2	S	29.7
50 to 99 miles	46.8	47.1	45.8
100 to 249 miles	29.7	21.3	21.2
250 to 499 miles	38.4	38.7	35.6
500 to 749 miles	S	S	S
750 to 999 miles	42.7	27.9	30.6
1,000 to 1,499 miles	36.9	S	S
1,500 to 1,999 miles	38.5	30.6	30.6
2,000 miles or more	42.9	S	S
SCTG 15, Coal	6.3	10.3	15.3
Less than 50 miles	16.7	16.2	19.5
50 to 99 miles	26.1	24.7	26.8
100 to 249 miles	30.4	25.3	23.2
250 to 499 miles	16.8	13.0	13.0
500 to 749 miles	16.4	15.3	15.7
750 to 999 miles	16.1	20.7	19.9
1,000 to 1,499 miles	16.3	19.9	20.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	10.6	10.0	39.8
Less than 50 miles	14.0	14.2	15.2
50 to 99 miles	19.7	16.1	19.1
100 to 249 miles	31.7	28.4	30.1
250 to 499 miles	35.8	29.0	26.6
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	10.8	11.7	17.4
Less than 50 miles	14.1	14.9	13.3
50 to 99 miles	16.6	18.7	18.3
100 to 249 miles	15.5	15.9	16.0
250 to 499 miles	37.4	34.1	35.6
500 to 749 miles	46.6	47.0	47.1
750 to 999 miles	S	49.0	S
1,000 to 1,499 miles	S	46.8	43.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	12.5	30.3	S
Less than 50 miles	19.6	22.8	17.5
50 to 99 miles	29.2	S	S
100 to 249 miles	20.8	25.2	24.3
250 to 499 miles	23.2	30.6	34.7
500 to 749 miles	28.2	48.2	49.9
750 to 999 miles	42.7	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	12.6	24.2	24.3
Less than 50 miles	16.9	29.7	39.3
50 to 99 miles	25.4	40.1	42.0
100 to 249 miles	19.2	25.1	27.9
250 to 499 miles	25.8	32.0	30.6
500 to 749 miles	18.9	30.7	31.2
750 to 999 miles	S	34.0	33.6
1,000 to 1,499 miles	23.8	32.8	32.2
1,500 to 1,999 miles	13.6	25.8	26.6
2,000 miles or more	37.2	S	S
SCTG 21, Pharmaceutical products	12.5	22.2	34.0
Less than 50 miles	23.1	38.0	41.9
50 to 99 miles	44.8	37.4	38.4
100 to 249 miles	15.5	44.5	41.7
250 to 499 miles	20.6	27.0	26.5
500 to 749 miles	34.7	S	S
750 to 999 miles	27.0	35.6	36.0
1,000 to 1,499 miles	23.8	41.0	42.6
1,500 to 1,999 miles	22.6	42.1	43.3
2,000 miles or more	32.8	40.0	39.5
SCTG 22, Fertilizers	11.7	12.8	27.9
Less than 50 miles	24.7	25.2	22.5
50 to 99 miles	46.3	39.0	39.3
100 to 249 miles	23.3	21.9	23.3
250 to 499 miles	23.8	20.7	20.7
500 to 749 miles	16.7	17.8	17.8
750 to 999 miles	30.7	34.3	35.6
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	19.7	32.2	32.5
Less than 50 miles	22.5	41.6	29.9
50 to 99 miles	35.1	23.7	24.8
100 to 249 miles	S	S	S
250 to 499 miles	32.1	42.5	38.9
500 to 749 miles	25.2	44.5	42.3
750 to 999 miles	30.9	32.8	31.9
1,000 to 1,499 miles	39.1	42.2	42.0
1,500 to 1,999 miles	43.1	38.3	38.1
2,000 miles or more	47.5	S	S
SCTG 24, Plastics and rubber	6.9	8.4	10.7
Less than 50 miles	15.4	14.1	15.5
50 to 99 miles	21.3	29.6	32.2
100 to 249 miles	13.9	17.5	18.4
250 to 499 miles	12.8	15.6	15.1
500 to 749 miles	15.3	21.0	21.0
750 to 999 miles	20.7	25.1	25.0
1,000 to 1,499 miles	19.7	15.6	15.4
1,500 to 1,999 miles	11.7	14.3	14.0
2,000 miles or more	27.0	22.7	22.4

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	33.8	34.5	33.4
Less than 50 miles	45.4	43.9	S
50 to 99 miles	40.9	41.1	41.3
100 to 249 miles	39.2	44.0	43.2
250 to 499 miles	28.6	44.0	46.2
500 to 749 miles	46.7	S	S
750 to 999 miles	42.4	40.5	40.9
1,000 to 1,499 miles	43.8	42.5	43.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	6.7	5.5	6.3
Less than 50 miles	14.3	12.8	10.7
50 to 99 miles	13.9	10.5	11.6
100 to 249 miles	8.3	14.8	14.4
250 to 499 miles	7.8	10.4	9.9
500 to 749 miles	9.3	12.4	11.3
750 to 999 miles	11.9	11.1	11.6
1,000 to 1,499 miles	7.3	13.5	13.2
1,500 to 1,999 miles	11.5	10.0	9.5
2,000 miles or more	15.6	13.3	13.2
SCTG 27, Pulp, newsprint, paper, and paperboard	13.5	18.3	29.2
Less than 50 miles	18.3	16.5	16.6
50 to 99 miles	35.6	33.9	30.8
100 to 249 miles	20.2	32.8	36.3
250 to 499 miles	25.2	24.9	25.6
500 to 749 miles	31.9	27.0	27.8
750 to 999 miles	39.9	40.6	44.1
1,000 to 1,499 miles	24.7	33.1	30.6
1,500 to 1,999 miles	38.0	35.8	36.5
2,000 miles or more	S	S	S
SCTG 28, Paper or paperboard articles	10.1	11.5	23.0
Less than 50 miles	10.8	14.4	16.7
50 to 99 miles	16.4	19.0	19.7
100 to 249 miles	13.3	16.0	16.2
250 to 499 miles	24.9	25.1	26.3
500 to 749 miles	31.1	28.6	28.0
750 to 999 miles	29.8	43.9	S
1,000 to 1,499 miles	22.5	31.4	31.5
1,500 to 1,999 miles	33.3	26.9	28.1
2,000 miles or more	S	S	S
SCTG 29, Printed products	8.9	15.1	13.9
Less than 50 miles	11.1	18.7	30.9
50 to 99 miles	18.4	37.8	35.9
100 to 249 miles	12.4	23.8	20.0
250 to 499 miles	20.7	33.9	34.8
500 to 749 miles	27.9	23.7	26.8
750 to 999 miles	25.2	40.6	43.5
1,000 to 1,499 miles	17.7	21.2	19.7
1,500 to 1,999 miles	21.3	23.6	21.5
2,000 miles or more	22.4	30.1	31.9
SCTG 30, Textiles, leather, and articles of textiles or leather	11.1	13.7	20.7
Less than 50 miles	13.5	25.9	25.6
50 to 99 miles	26.1	34.6	31.0
100 to 249 miles	21.7	22.1	23.2
250 to 499 miles	19.4	19.3	17.6
500 to 749 miles	12.7	21.7	23.8
750 to 999 miles	14.4	23.3	22.9
1,000 to 1,499 miles	21.7	19.2	18.9
1,500 to 1,999 miles	15.9	19.9	20.9
2,000 miles or more	37.2	S	S
SCTG 31, Nonmetallic mineral products	7.9	8.7	18.3
Less than 50 miles	8.7	9.9	9.7
50 to 99 miles	11.5	15.3	14.8
100 to 249 miles	14.3	14.3	14.5
250 to 499 miles	12.9	20.5	21.0
500 to 749 miles	19.4	24.4	25.8
750 to 999 miles	27.9	23.0	24.2
1,000 to 1,499 miles	20.3	46.9	48.8
1,500 to 1,999 miles	22.0	29.4	29.8
2,000 miles or more	35.1	33.8	33.3
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	13.7	8.1	15.7
Less than 50 miles	17.7	9.9	13.7
50 to 99 miles	17.3	21.4	20.3
100 to 249 miles	16.3	13.4	13.2
250 to 499 miles	24.0	14.8	16.0
500 to 749 miles	24.5	17.1	18.7
750 to 999 miles	19.2	27.1	26.0
1,000 to 1,499 miles	16.2	14.4	14.8
1,500 to 1,999 miles	17.1	22.5	23.1
2,000 miles or more	S	S	S

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	9.1	16.8	20.5
Less than 50 miles	12.5	20.5	21.5
50 to 99 miles	21.5	24.6	21.6
100 to 249 miles	11.8	30.0	24.4
250 to 499 miles	12.1	16.7	16.9
500 to 749 miles	23.5	31.1	32.1
750 to 999 miles	15.8	31.9	32.3
1,000 to 1,499 miles	13.2	16.8	16.0
1,500 to 1,999 miles	18.9	22.6	23.1
2,000 miles or more	32.3	S	S
SCTG 34, Machinery	8.8	11.2	21.1
Less than 50 miles	11.3	14.9	25.8
50 to 99 miles	28.4	39.7	S
100 to 249 miles	13.6	22.1	21.0
250 to 499 miles	16.6	23.0	22.6
500 to 749 miles	23.7	33.7	33.7
750 to 999 miles	22.5	26.4	26.1
1,000 to 1,499 miles	17.2	43.1	39.3
1,500 to 1,999 miles	22.0	48.2	47.1
2,000 miles or more	35.4	40.4	43.2
SCTG 35, Electronic and other electrical equipment and components and office equipment	13.5	17.2	19.3
Less than 50 miles	11.9	14.4	15.2
50 to 99 miles	21.2	46.6	37.7
100 to 249 miles	14.5	21.7	24.0
250 to 499 miles	18.8	45.8	46.9
500 to 749 miles	21.7	32.7	29.5
750 to 999 miles	16.1	13.3	12.5
1,000 to 1,499 miles	22.0	22.0	22.0
1,500 to 1,999 miles	15.6	18.5	19.0
2,000 miles or more	31.0	35.2	35.4
SCTG 36, Motorized and other vehicles (including parts)	15.4	24.4	42.7
Less than 50 miles	7.8	14.0	18.0
50 to 99 miles	16.8	26.4	25.0
100 to 249 miles	11.0	10.5	9.4
250 to 499 miles	18.1	10.2	10.8
500 to 749 miles	33.0	44.0	45.5
750 to 999 miles	S	45.2	44.1
1,000 to 1,499 miles	41.0	S	S
1,500 to 1,999 miles	30.7	42.5	42.3
2,000 miles or more	S	42.1	41.3
SCTG 37, Transportation equipment, n.e.c.	21.6	S	46.3
Less than 50 miles	49.7	S	S
50 to 99 miles	49.6	S	S
100 to 249 miles	38.8	S	S
250 to 499 miles	45.2	31.5	31.6
500 to 749 miles	19.0	S	S
750 to 999 miles	25.3	39.4	36.9
1,000 to 1,499 miles	42.7	S	S
1,500 to 1,999 miles	20.2	38.3	39.1
2,000 miles or more	31.1	35.9	35.8
SCTG 38, Precision instruments and apparatus	13.4	16.5	21.3
Less than 50 miles	18.9	20.8	22.5
50 to 99 miles	39.3	27.9	27.1
100 to 249 miles	29.1	34.2	34.3
250 to 499 miles	15.7	30.2	29.4
500 to 749 miles	16.7	29.7	29.6
750 to 999 miles	22.8	34.9	34.4
1,000 to 1,499 miles	20.4	15.4	15.3
1,500 to 1,999 miles	19.1	21.1	21.6
2,000 miles or more	26.7	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	26.4	21.8	19.6
Less than 50 miles	36.9	32.1	43.1
50 to 99 miles	34.1	29.9	29.9
100 to 249 miles	25.6	22.9	24.6
250 to 499 miles	16.7	13.5	13.0
500 to 749 miles	24.9	20.2	20.6
750 to 999 miles	23.6	20.5	20.9
1,000 to 1,499 miles	27.1	27.5	28.0
1,500 to 1,999 miles	17.2	20.6	21.0
2,000 miles or more	41.2	45.5	46.0
SCTG 40, Miscellaneous manufactured products	12.3	33.0	21.0
Less than 50 miles	12.3	27.6	33.4
50 to 99 miles	43.5	S	S
100 to 249 miles	29.3	S	49.7
250 to 499 miles	25.8	46.2	46.4
500 to 749 miles	16.3	25.3	25.1
750 to 999 miles	19.5	22.0	21.9
1,000 to 1,499 miles	17.8	24.0	23.1
1,500 to 1,999 miles	18.9	17.8	17.9
2,000 miles or more	29.5	19.8	21.6

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	28.3	47.6	45.3
Less than 50 miles	43.0	S	30.5
50 to 99 miles	43.7	S	S
100 to 249 miles	S	48.3	49.7
250 to 499 miles	35.7	S	S
500 to 749 miles	32.4	39.4	42.4
750 to 999 miles	S	38.1	39.0
1,000 to 1,499 miles	36.0	27.8	29.5
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 43, Mixed freight	11.3	12.6	19.6
Less than 50 miles	13.1	13.4	13.8
50 to 99 miles	13.2	18.6	16.7
100 to 249 miles	16.2	15.9	16.3
250 to 499 miles	17.1	18.1	17.8
500 to 749 miles	44.8	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
Commodity unknown	22.2	46.3	S
Less than 50 miles	28.6	S	S
50 to 99 miles	43.7	31.8	35.9
100 to 249 miles	25.6	S	S
250 to 499 miles	43.7	S	48.3
500 to 749 miles	42.1	49.2	S
750 to 999 miles	37.9	S	S
1,000 to 1,499 miles	38.8	S	S
1,500 to 1,999 miles	34.5	S	S
2,000 miles or more	49.4	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	3.5	5.2	11.3
Less than 50 lb	9.1	22.1	8.7
50 to 99 lb	10.4	7.9	16.6
100 to 499 lb	7.8	4.3	7.2
500 to 749 lb	10.1	4.4	12.9
750 to 999 lb	12.3	6.8	9.1
1,000 to 9,999 lb	4.1	5.5	6.6
10,000 to 49,999 lb	4.7	8.3	5.6
50,000 to 99,999 lb	12.1	10.2	11.6
100,000 lb or more	8.0	8.5	13.0
SCTG 01, Live animals and live fish	S	S	S
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	—	—	—
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	13.5	13.9	21.0
Less than 50 lb	S	S	S
50 to 99 lb	46.2	S	49.7
100 to 499 lb	35.9	40.4	S
500 to 749 lb	S	S	46.4
750 to 999 lb	S	S	S
1,000 to 9,999 lb	37.7	40.1	S
10,000 to 49,999 lb	26.2	27.1	28.8
50,000 to 99,999 lb	22.6	23.6	30.7
100,000 lb or more	20.4	20.0	23.5
SCTG 03, Other agricultural products	21.7	30.6	36.2
Less than 50 lb	29.9	31.5	41.5
50 to 99 lb	32.4	30.3	35.6
100 to 499 lb	23.6	30.1	34.9
500 to 749 lb	26.5	29.3	37.8
750 to 999 lb	27.1	29.6	S
1,000 to 9,999 lb	26.3	39.2	S
10,000 to 49,999 lb	28.3	35.2	37.5
50,000 to 99,999 lb	29.9	34.3	47.9
100,000 lb or more	46.3	48.5	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	20.1	17.6	17.4
Less than 50 lb	S	49.6	S
50 to 99 lb	S	S	S
100 to 499 lb	S	46.3	S
500 to 749 lb	S	S	49.2
750 to 999 lb	42.8	43.7	28.8
1,000 to 9,999 lb	32.5	25.4	42.4
10,000 to 49,999 lb	20.5	19.6	22.8
50,000 to 99,999 lb	37.0	35.3	35.4
100,000 lb or more	36.7	33.3	30.3
SCTG 05, Meat, fish, seafood, and their preparations	11.5	11.7	16.2
Less than 50 lb	49.1	44.8	S
50 to 99 lb	37.9	34.2	40.3
100 to 499 lb	30.6	26.4	26.0
500 to 749 lb	19.3	17.9	25.5
750 to 999 lb	29.3	27.1	34.0
1,000 to 9,999 lb	11.8	13.1	15.3
10,000 to 49,999 lb	15.0	14.8	17.1
50,000 to 99,999 lb	40.0	38.8	S
100,000 lb or more	45.8	49.1	S
SCTG 06, Milled grain products and preparations, and bakery products	13.7	15.6	22.1
Less than 50 lb	36.9	27.6	S
50 to 99 lb	33.1	28.4	S
100 to 499 lb	S	33.3	32.1
500 to 749 lb	S	34.0	29.7
750 to 999 lb	29.8	25.9	34.7
1,000 to 9,999 lb	21.6	24.5	28.4
10,000 to 49,999 lb	18.7	22.6	27.0
50,000 to 99,999 lb	46.2	46.3	38.4
100,000 lb or more	32.4	35.0	35.5
SCTG 07, Other prepared foodstuffs and fats and oils	8.0	12.2	8.3
Less than 50 lb	S	S	S
50 to 99 lb	25.9	26.1	18.0
100 to 499 lb	16.5	20.3	21.4
500 to 749 lb	24.8	27.4	39.3
750 to 999 lb	34.7	29.4	38.1
1,000 to 9,999 lb	17.2	19.4	35.5
10,000 to 49,999 lb	11.3	16.4	10.2
50,000 to 99,999 lb	27.5	33.8	23.0
100,000 lb or more	21.5	20.2	19.4

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	11.5	23.9	42.8
Less than 50 lb	17.1	13.7	16.7
50 to 99 lb	11.5	8.2	9.9
100 to 499 lb	12.9	7.3	11.5
500 to 749 lb	10.5	8.1	11.8
750 to 999 lb	14.3	9.7	17.3
1,000 to 9,999 lb	13.8	13.3	27.6
10,000 to 49,999 lb	18.9	19.6	28.9
50,000 to 99,999 lb	42.2	45.4	S
100,000 lb or more	40.5	45.8	48.4
SCTG 09, Tobacco products	36.1	36.2	S
Less than 50 lb	S	S	S
50 to 99 lb	30.1	23.7	S
100 to 499 lb	25.2	23.9	41.9
500 to 749 lb	49.5	36.0	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	33.1	45.4	44.3
10,000 to 49,999 lb	—	—	—
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	S	33.3	32.6
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	44.3
500 to 749 lb	S	46.1	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	44.2	31.1	35.9
10,000 to 49,999 lb	S	36.1	38.7
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	42.9	26.9	15.2
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	35.6	S
500 to 749 lb	S	49.7	49.8
750 to 999 lb	S	S	S
1,000 to 9,999 lb	20.2	27.7	42.1
10,000 to 49,999 lb	27.8	25.4	27.2
50,000 to 99,999 lb	S	33.2	21.7
100,000 lb or more	S	49.4	31.1
SCTG 12, Gravel and crushed stone	25.1	24.9	27.5
Less than 50 lb	—	—	—
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	35.6	S
750 to 999 lb	S	49.7	49.8
1,000 to 9,999 lb	32.7	32.2	40.2
10,000 to 49,999 lb	27.8	29.0	37.0
50,000 to 99,999 lb	29.7	32.5	23.7
100,000 lb or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	21.8	20.9	22.6
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	44.2	38.3	39.6
500 to 749 lb	S	38.4	S
750 to 999 lb	S	40.7	S
1,000 to 9,999 lb	S	28.2	40.2
10,000 to 49,999 lb	39.7	31.0	41.2
50,000 to 99,999 lb	20.4	15.1	38.3
100,000 lb or more	27.6	32.9	23.5
SCTG 14, Metallic ores and concentrates	15.6	32.3	23.8
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	48.5
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	43.1	33.9	S
10,000 to 49,999 lb	18.8	17.1	17.8
50,000 to 99,999 lb	38.8	25.7	24.3
100,000 lb or more	21.3	36.7	29.6
SCTG 15, Coal	6.3	10.3	15.3
Less than 50 lb	—	—	—
50 to 99 lb	—	—	—
100 to 499 lb	47.0	49.2	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	32.0	34.4
10,000 to 49,999 lb	S	39.2	48.5
50,000 to 99,999 lb	29.0	34.0	42.4
100,000 lb or more	6.8	10.7	15.3

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	10.6	10.0	39.8
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	45.5	37.6	37.9
500 to 749 lb	34.4	34.6	S
750 to 999 lb	37.6	44.8	S
1,000 to 9,999 lb	18.3	21.0	24.0
10,000 to 49,999 lb	20.6	17.7	36.3
50,000 to 99,999 lb	12.6	11.7	S
100,000 lb or more	29.7	28.4	45.5
SCTG 18, Fuel oils	10.8	11.7	17.4
Less than 50 lb	S	S	S
50 to 99 lb	44.2	28.7	42.5
100 to 499 lb	29.3	27.9	32.4
500 to 749 lb	32.4	29.5	42.5
750 to 999 lb	28.7	30.7	50.0
1,000 to 9,999 lb	27.7	26.3	25.7
10,000 to 49,999 lb	14.4	16.0	29.7
50,000 to 99,999 lb	10.1	10.5	14.1
100,000 lb or more	31.5	29.7	26.1
SCTG 19, Coal and petroleum products, n.e.c.	12.5	30.3	S
Less than 50 lb	31.4	28.8	33.5
50 to 99 lb	S	31.1	S
100 to 499 lb	36.9	34.4	S
500 to 749 lb	S	47.7	31.5
750 to 999 lb	37.2	S	48.7
1,000 to 9,999 lb	23.7	36.8	20.5
10,000 to 49,999 lb	14.7	16.4	18.8
50,000 to 99,999 lb	19.4	19.0	23.6
100,000 lb or more	27.2	45.0	S
SCTG 20, Basic chemicals	12.6	24.2	24.3
Less than 50 lb	31.7	26.3	44.8
50 to 99 lb	27.9	33.1	28.5
100 to 499 lb	21.5	33.8	42.5
500 to 749 lb	27.1	22.3	31.9
750 to 999 lb	28.8	24.6	40.6
1,000 to 9,999 lb	37.3	17.9	41.8
10,000 to 49,999 lb	20.0	26.7	18.9
50,000 to 99,999 lb	31.9	31.8	30.8
100,000 lb or more	20.7	25.7	25.3
SCTG 21, Pharmaceutical products	12.5	22.2	34.0
Less than 50 lb	15.7	19.1	20.7
50 to 99 lb	31.8	42.2	37.9
100 to 499 lb	28.0	33.0	32.4
500 to 749 lb	38.6	41.5	S
750 to 999 lb	41.4	S	41.0
1,000 to 9,999 lb	48.3	47.3	43.9
10,000 to 49,999 lb	34.4	49.1	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 22, Fertilizers	11.7	12.8	27.9
Less than 50 lb	S	S	S
50 to 99 lb	S	32.8	S
100 to 499 lb	42.2	S	44.6
500 to 749 lb	30.5	26.2	34.4
750 to 999 lb	33.0	28.2	39.2
1,000 to 9,999 lb	30.0	30.3	44.1
10,000 to 49,999 lb	21.8	22.6	16.5
50,000 to 99,999 lb	19.8	17.0	19.3
100,000 lb or more	23.1	24.6	33.3
SCTG 23, Chemical products and preparations, n.e.c.	19.7	32.2	32.5
Less than 50 lb	17.6	19.3	28.0
50 to 99 lb	24.9	26.4	S
100 to 499 lb	25.9	24.3	17.6
500 to 749 lb	19.4	22.5	32.1
750 to 999 lb	27.2	28.1	35.3
1,000 to 9,999 lb	24.1	17.7	28.4
10,000 to 49,999 lb	32.7	38.6	36.7
50,000 to 99,999 lb	S	S	37.9
100,000 lb or more	S	37.3	40.6
SCTG 24, Plastics and rubber	6.9	8.4	10.7
Less than 50 lb	19.3	18.2	30.3
50 to 99 lb	12.6	21.1	24.1
100 to 499 lb	11.5	14.2	12.2
500 to 749 lb	13.0	11.9	13.9
750 to 999 lb	22.2	28.9	33.9
1,000 to 9,999 lb	7.8	15.6	13.8
10,000 to 49,999 lb	11.7	13.3	16.0
50,000 to 99,999 lb	46.8	S	S
100,000 lb or more	S	S	S

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	33.8	34.5	33.4
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	44.3	S
500 to 749 lb	S	S	S
750 to 999 lb	S	38.3	S
1,000 to 9,999 lb	42.5	37.5	42.8
10,000 to 49,999 lb	34.1	37.7	31.4
50,000 to 99,999 lb	38.5	35.6	36.2
100,000 lb or more	33.8	43.7	45.3
SCTG 26, Wood products	6.7	5.5	6.3
Less than 50 lb	21.4	20.3	39.6
50 to 99 lb	32.7	22.7	34.0
100 to 499 lb	25.5	21.0	S
500 to 749 lb	32.2	27.4	S
750 to 999 lb	26.0	21.2	30.9
1,000 to 9,999 lb	18.4	15.0	12.0
10,000 to 49,999 lb	3.7	6.7	12.8
50,000 to 99,999 lb	10.4	13.3	13.8
100,000 lb or more	7.2	7.6	7.0
SCTG 27, Pulp, newsprint, paper, and paperboard	13.5	18.3	29.2
Less than 50 lb	22.2	22.2	35.1
50 to 99 lb	19.9	19.3	48.2
100 to 499 lb	26.2	21.3	28.1
500 to 749 lb	25.6	23.2	37.2
750 to 999 lb	23.0	20.8	27.3
1,000 to 9,999 lb	20.4	18.5	26.4
10,000 to 49,999 lb	22.2	22.1	28.2
50,000 to 99,999 lb	34.7	32.8	40.8
100,000 lb or more	37.4	40.9	41.9
SCTG 28, Paper or paperboard articles	10.1	11.5	23.0
Less than 50 lb	24.9	17.0	39.8
50 to 99 lb	15.5	15.6	48.8
100 to 499 lb	12.7	13.7	19.0
500 to 749 lb	18.1	22.5	29.6
750 to 999 lb	17.4	20.9	24.4
1,000 to 9,999 lb	12.2	13.9	24.6
10,000 to 49,999 lb	22.2	16.2	21.1
50,000 to 99,999 lb	41.6	39.1	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	8.9	15.1	13.9
Less than 50 lb	20.5	23.9	25.2
50 to 99 lb	20.6	34.1	33.3
100 to 499 lb	14.8	19.4	23.7
500 to 749 lb	40.7	49.6	31.1
750 to 999 lb	31.2	29.5	23.7
1,000 to 9,999 lb	16.0	21.7	19.3
10,000 to 49,999 lb	16.7	25.1	37.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	11.1	13.7	20.7
Less than 50 lb	23.1	14.1	19.1
50 to 99 lb	11.5	11.6	10.5
100 to 499 lb	11.2	12.1	15.2
500 to 749 lb	17.5	13.0	20.3
750 to 999 lb	26.4	21.1	24.8
1,000 to 9,999 lb	17.6	15.0	29.9
10,000 to 49,999 lb	24.2	29.0	43.5
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	7.9	8.7	18.3
Less than 50 lb	19.5	36.9	25.4
50 to 99 lb	16.3	22.2	31.3
100 to 499 lb	18.7	30.4	S
500 to 749 lb	23.1	22.4	42.0
750 to 999 lb	17.1	15.7	34.7
1,000 to 9,999 lb	25.0	14.1	49.0
10,000 to 49,999 lb	8.4	9.3	14.1
50,000 to 99,999 lb	13.3	15.3	17.0
100,000 lb or more	19.6	19.6	35.7
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	13.7	8.1	15.7
Less than 50 lb	20.8	17.8	25.1
50 to 99 lb	21.9	24.6	26.0
100 to 499 lb	21.2	16.3	17.9
500 to 749 lb	15.2	14.3	28.7
750 to 999 lb	17.2	21.6	30.9
1,000 to 9,999 lb	23.6	9.9	18.4
10,000 to 49,999 lb	14.4	9.0	14.3
50,000 to 99,999 lb	20.4	16.5	20.1
100,000 lb or more	26.6	18.1	24.4

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	9.1	16.8	20.5
Less than 50 lb	12.8	14.9	15.2
50 to 99 lb	16.9	22.1	36.3
100 to 499 lb	13.7	16.6	10.0
500 to 749 lb	14.3	16.6	15.7
750 to 999 lb	16.5	19.1	16.0
1,000 to 9,999 lb	13.8	12.9	14.1
10,000 to 49,999 lb	13.7	19.3	23.7
50,000 to 99,999 lb	43.3	37.0	44.2
100,000 lb or more	46.0	45.7	S
SCTG 34, Machinery	8.8	11.2	21.1
Less than 50 lb	15.3	10.3	7.3
50 to 99 lb	11.3	7.8	10.9
100 to 499 lb	10.5	12.1	19.2
500 to 749 lb	27.5	24.1	43.7
750 to 999 lb	19.5	21.2	34.8
1,000 to 9,999 lb	13.2	15.5	24.2
10,000 to 49,999 lb	22.3	17.6	25.3
50,000 to 99,999 lb	47.5	44.9	S
100,000 lb or more	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	13.5	17.2	19.3
Less than 50 lb	18.6	15.7	28.9
50 to 99 lb	20.8	16.2	39.0
100 to 499 lb	15.7	10.9	21.6
500 to 749 lb	33.0	21.0	42.8
750 to 999 lb	23.0	22.0	40.8
1,000 to 9,999 lb	28.7	28.7	32.6
10,000 to 49,999 lb	26.5	22.7	16.1
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	15.4	24.4	42.7
Less than 50 lb	15.1	12.6	25.3
50 to 99 lb	19.8	17.6	28.0
100 to 499 lb	14.3	9.8	14.0
500 to 749 lb	22.2	32.9	26.6
750 to 999 lb	S	20.7	25.0
1,000 to 9,999 lb	16.3	16.1	35.0
10,000 to 49,999 lb	29.1	37.4	49.5
50,000 to 99,999 lb	46.8	42.6	S
100,000 lb or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	21.6	S	46.3
Less than 50 lb	29.9	47.8	24.7
50 to 99 lb	23.8	S	39.0
100 to 499 lb	45.8	32.6	28.4
500 to 749 lb	S	33.6	S
750 to 999 lb	44.0	S	S
1,000 to 9,999 lb	S	30.9	31.9
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	23.4	S	S
SCTG 38, Precision instruments and apparatus	13.4	16.5	21.3
Less than 50 lb	13.8	10.2	11.9
50 to 99 lb	29.8	37.8	45.3
100 to 499 lb	27.0	23.3	21.2
500 to 749 lb	26.5	28.8	29.5
750 to 999 lb	32.7	S	34.7
1,000 to 9,999 lb	18.5	37.2	42.7
10,000 to 49,999 lb	48.5	45.9	49.7
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	26.4	21.8	19.6
Less than 50 lb	34.4	28.8	42.3
50 to 99 lb	30.3	28.8	33.2
100 to 499 lb	47.9	44.9	24.8
500 to 749 lb	46.7	S	23.4
750 to 999 lb	39.3	41.3	41.8
1,000 to 9,999 lb	14.8	15.2	19.4
10,000 to 49,999 lb	16.6	15.5	26.6
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	12.3	33.0	21.0
Less than 50 lb	10.4	14.1	21.8
50 to 99 lb	20.7	36.7	S
100 to 499 lb	23.7	16.9	32.6
500 to 749 lb	36.8	17.8	31.7
750 to 999 lb	30.0	13.8	14.5
1,000 to 9,999 lb	12.6	13.7	11.4
10,000 to 49,999 lb	18.6	21.5	18.2
50,000 to 99,999 lb	S	S	S
100,000 lb or more	41.9	S	S

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	28.3	47.6	45.3
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	49.2	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	41.0	38.7	43.5
10,000 to 49,999 lb	34.8	23.2	22.5
50,000 to 99,999 lb	34.5	S	41.8
100,000 lb or more	34.4	S	S
SCTG 43, Mixed freight	11.3	12.6	19.6
Less than 50 lb	37.6	30.4	S
50 to 99 lb	36.2	31.0	40.8
100 to 499 lb	17.4	18.4	16.1
500 to 749 lb	23.1	21.9	23.9
750 to 999 lb	18.6	18.7	30.9
1,000 to 9,999 lb	16.7	16.1	27.5
10,000 to 49,999 lb	19.6	22.9	35.2
50,000 to 99,999 lb	33.2	35.7	42.0
100,000 lb or more	S	S	S
Commodity unknown	22.2	46.3	S
Less than 50 lb	30.1	24.7	32.5
50 to 99 lb	36.7	30.1	S
100 to 499 lb	26.1	19.9	31.0
500 to 749 lb	S	47.2	42.2
750 to 999 lb	S	S	S
1,000 to 9,999 lb	39.7	30.8	42.0
10,000 to 49,999 lb	38.7	S	S
50,000 to 99,999 lb	S	S	48.9
100,000 lb or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	3.5	5.2	11.3	10.3	3.0	8.2	9.5	7.2	8.4	11.3
Less than 50 lb	9.1	22.1	8.7	11.7	4.3	36.4	33.7	17.9	11.4	11.5
50 to 99 lb	10.4	7.9	16.6	9.3	6.4	9.0	10.7	12.9	12.1	12.0
100 to 499 lb	7.8	4.3	7.2	7.2	8.8	5.5	6.1	12.7	7.5	7.0
500 to 749 lb	10.1	4.4	12.9	12.7	14.8	6.3	9.7	9.9	7.4	7.2
750 to 999 lb	12.3	6.8	9.1	8.7	8.1	7.9	8.4	9.5	9.4	10.5
1,000 to 9,999 lb	4.1	5.5	6.6	6.4	4.6	6.3	8.0	9.1	10.5	10.7
10,000 to 49,999 lb	4.7	8.3	5.6	11.1	4.9	10.5	13.5	10.4	11.0	10.9
50,000 to 99,999 lb	12.1	10.2	11.6	13.4	11.9	15.9	16.7	16.8	15.7	15.1
100,000 lb or more	8.0	8.5	13.0	6.4	13.2	12.9	19.4	27.1	20.8	24.5
SCTG 01, Live animals and live fish	S	S	S	29.6	S	S	S	S	S	S
Less than 50 lb	S	S	S	22.4	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	22.4	—	—	—	S	S	S
500 to 749 lb	S	S	S	22.4	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	22.4	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	20.8	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	20.2	—	—	—	—	—	—
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—
SCTG 02, Cereal grains	13.5	13.9	21.0	15.5	22.3	23.1	25.1	31.8	31.4	31.1
Less than 50 lb	S	S	S	21.2	—	—	—	S	S	S
50 to 99 lb	46.2	S	49.7	S	—	—	—	—	—	—
100 to 499 lb	35.9	40.4	S	42.1	39.8	42.5	S	—	—	—
500 to 749 lb	S	S	46.4	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	37.7	40.1	S	31.5	46.9	42.9	45.8	S	S	S
10,000 to 49,999 lb	26.2	27.1	28.8	31.5	31.2	32.8	38.1	49.2	39.2	38.1
50,000 to 99,999 lb	22.6	23.6	30.7	10.2	26.9	27.5	30.9	42.7	41.7	40.1
100,000 lb or more	20.4	20.0	23.5	13.3	S	S	S	S	S	S
SCTG 03, Other agricultural products	21.7	30.6	36.2	23.8	21.6	26.4	22.3	32.9	28.6	29.1
Less than 50 lb	29.9	31.5	41.5	18.6	30.2	35.3	34.3	37.5	42.5	45.1
50 to 99 lb	32.4	30.3	35.6	S	36.0	32.1	36.9	31.0	26.0	24.9
100 to 499 lb	23.6	30.1	34.9	S	32.7	37.5	41.7	25.6	26.8	26.0
500 to 749 lb	26.5	29.3	37.8	S	33.6	37.5	48.5	S	S	49.9
750 to 999 lb	27.1	29.6	S	32.2	37.7	38.5	36.0	S	S	S
1,000 to 9,999 lb	26.3	39.2	S	18.3	33.0	41.3	34.3	S	S	S
10,000 to 49,999 lb	28.3	35.2	37.5	9.8	25.6	28.6	34.8	42.7	38.3	38.6
50,000 to 99,999 lb	29.9	34.3	47.9	18.5	38.2	46.1	28.9	S	S	S
100,000 lb or more	46.3	48.5	S	18.5	S	49.5	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	20.1	17.6	17.4	S	31.6	23.8	27.9	34.5	34.9	33.9
Less than 50 lb	S	49.6	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	46.3	S	S	49.5	46.1	S	S	S	S
500 to 749 lb	S	S	49.2	S	S	S	S	S	S	S
750 to 999 lb	42.8	43.7	28.8	S	48.8	46.2	44.1	S	S	S
1,000 to 9,999 lb	32.5	25.4	42.4	38.2	35.3	27.4	44.0	S	45.9	46.4
10,000 to 49,999 lb	20.5	19.6	22.8	26.2	34.5	26.1	31.8	36.0	38.2	37.2
50,000 to 99,999 lb	37.0	35.3	35.4	23.3	S	45.6	39.9	45.6	40.5	37.7
100,000 lb or more	36.7	33.3	30.3	15.4	36.2	S	S	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	11.5	11.7	16.2	29.1	14.4	10.8	13.4	19.6	20.2	21.5
Less than 50 lb	49.1	44.8	S	42.4	49.9	46.5	S	39.2	41.9	40.9
50 to 99 lb	37.9	34.2	40.3	24.1	38.8	34.8	S	49.9	44.5	49.5
100 to 499 lb	30.6	26.4	26.0	20.2	33.2	28.3	38.5	36.9	37.9	36.4
500 to 749 lb	19.3	17.9	25.5	30.0	21.0	18.0	24.4	44.7	35.7	35.4
750 to 999 lb	29.3	27.1	34.0	19.1	35.1	29.6	39.7	S	44.1	43.9
1,000 to 9,999 lb	11.8	13.1	15.3	23.6	16.7	15.5	16.4	26.2	26.9	29.3
10,000 to 49,999 lb	15.0	14.8	17.1	6.1	18.4	19.6	22.7	39.4	39.2	39.6
50,000 to 99,999 lb	40.0	38.8	S	28.7	47.5	43.4	S	—	—	—
100,000 lb or more	45.8	49.1	S	20.9	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	13.7	15.6	22.1	22.1	29.8	23.6	26.3	24.1	24.9	23.2
Less than 50 lb	36.9	27.6	S	20.5	47.0	24.0	25.8	37.3	39.8	37.9
50 to 99 lb	33.1	28.4	S	28.4	44.5	40.0	24.8	S	40.0	41.4
100 to 499 lb	S	33.3	32.1	49.2	S	42.3	41.7	42.0	36.4	37.0
500 to 749 lb	S	34.0	29.7	40.1	S	42.6	S	S	45.0	45.5
750 to 999 lb	29.8	25.9	34.7	20.3	33.6	32.6	44.1	S	47.7	47.9
1,000 to 9,999 lb	21.6	24.5	28.4	19.2	31.1	32.8	36.8	38.2	38.3	35.9
10,000 to 49,999 lb	18.7	22.6	27.0	14.1	31.7	34.5	34.7	41.1	S	S
50,000 to 99,999 lb	46.2	46.3	38.4	33.1	—	S	S	—	—	—
100,000 lb or more	32.4	35.0	35.5	20.0	S	S	S	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	8.0	12.2	8.3	S	11.7	18.2	18.7	10.7	20.8	22.2
Less than 50 lb	S	S	S	S	S	S	S	32.9	33.7	34.1
50 to 99 lb	25.9	26.1	18.0	29.3	28.2	30.1	23.8	38.1	33.5	33.8
100 to 499 lb	16.5	20.3	21.4	18.8	17.6	20.7	21.8	24.1	27.2	27.8
500 to 749 lb	24.8	27.4	39.3	31.0	25.9	25.2	22.0	29.6	29.3	30.3
750 to 999 lb	34.7	29.4	38.1	14.4	39.2	28.7	22.9	34.6	32.7	33.0
1,000 to 9,999 lb	17.2	19.4	35.5	12.3	17.3	18.1	19.1	16.5	24.3	24.3
10,000 to 49,999 lb	11.3	16.4	10.2	19.3	14.5	26.4	27.9	21.6	28.9	27.7
50,000 to 99,999 lb	27.5	33.8	23.0	S	39.7	42.6	37.2	S	S	S
100,000 lb or more	21.5	20.2	19.4	10.6	S	S	S	—	—	—
SCTG 08, Alcoholic beverages	11.5	23.9	42.8	16.0	7.1	9.8	14.8	16.0	25.3	27.2
Less than 50 lb	17.1	13.7	16.7	11.8	18.9	14.6	14.7	19.9	19.8	22.7
50 to 99 lb	11.5	8.2	9.9	7.2	13.7	9.7	10.4	23.1	17.3	16.6
100 to 499 lb	12.9	7.3	11.5	7.0	12.7	7.4	10.6	29.2	19.4	18.5
500 to 749 lb	10.5	8.1	11.8	10.4	10.2	9.4	11.6	31.1	26.3	25.9
750 to 999 lb	14.3	9.7	17.3	12.3	16.6	10.5	12.5	22.0	26.1	26.5
1,000 to 9,999 lb	13.8	13.3	27.6	10.8	11.0	13.0	18.7	20.0	24.9	31.2
10,000 to 49,999 lb	18.9	19.6	28.9	19.1	22.7	20.2	25.1	32.5	35.7	36.9
50,000 to 99,999 lb	42.2	45.4	S	20.4	S	S	S	S	S	S
100,000 lb or more	40.5	45.8	48.4	19.1	S	S	S	S	S	S
SCTG 09, Tobacco products	36.1	36.2	S	17.6	29.0	29.5	31.0	34.2	47.8	46.4
Less than 50 lb	S	S	S	18.4	33.0	31.8	S	S	S	S
50 to 99 lb	30.1	23.7	S	27.0	24.7	23.3	35.7	42.2	40.5	37.9
100 to 499 lb	25.2	23.9	41.9	41.1	37.9	33.9	32.6	28.4	25.8	26.9
500 to 749 lb	49.5	36.0	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	43.5	S	S	48.7	S	S	S
1,000 to 9,999 lb	33.1	45.4	44.3	32.9	39.5	38.7	44.7	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	33.3	32.6	S	S	38.7	36.1	S	S	S
Less than 50 lb	S	S	S	22.4	S	S	S	—	—	—
50 to 99 lb	S	S	S	22.4	S	S	S	—	—	—
100 to 499 lb	S	S	44.3	S	S	S	S	—	—	—
500 to 749 lb	S	46.1	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	21.9	S	S	S	—	—	—
1,000 to 9,999 lb	44.2	31.1	35.9	S	S	34.7	34.4	S	S	S
10,000 to 49,999 lb	S	36.1	38.7	43.1	S	S	43.8	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	21.4	S	S	S	—	—	—
SCTG 11, Natural sands	42.9	26.9	15.2	S	S	30.3	26.0	32.6	48.2	47.1
Less than 50 lb	S	S	S	40.9	S	S	S	—	—	—
50 to 99 lb	S	S	S	22.8	S	S	S	—	—	—
100 to 499 lb	S	35.6	S	23.3	S	39.2	48.4	S	S	S
500 to 749 lb	S	49.7	49.8	23.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	20.2	27.7	42.1	S	20.4	23.8	25.9	S	S	S
10,000 to 49,999 lb	27.8	25.4	27.2	40.1	33.8	26.9	29.8	36.6	S	S
50,000 to 99,999 lb	S	33.2	21.7	S	S	38.8	37.1	46.5	47.8	46.6
100,000 lb or more	S	49.4	31.1	S	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	25.1	24.9	27.5	9.9	25.8	25.4	27.7	27.3	27.6	28.7
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	22.4	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	24.4	S	S	S	—	—	—
750 to 999 lb	S	S	S	21.8	S	S	S	—	—	—
1,000 to 9,999 lb	32.7	32.2	40.2	12.0	33.8	32.0	42.1	S	S	S
10,000 to 49,999 lb	27.8	29.0	37.0	10.5	27.1	27.4	31.6	48.2	43.1	44.2
50,000 to 99,999 lb	29.7	32.5	23.7	19.9	32.3	34.0	29.8	36.1	46.8	42.7
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	21.8	20.9	22.6	16.7	37.8	S	S	28.4	32.6	32.5
Less than 50 lb	S	S	S	44.9	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	44.2	38.3	39.6	S	S	41.4	47.9	S	S	S
500 to 749 lb	S	38.4	S	45.6	40.1	48.0	47.2	S	S	S
750 to 999 lb	S	40.7	S	41.0	S	S	S	S	S	S
1,000 to 9,999 lb	S	28.2	40.2	S	S	33.1	30.8	43.7	42.2	39.4
10,000 to 49,999 lb	39.7	31.0	41.2	13.9	24.8	31.2	31.6	46.8	S	S
50,000 to 99,999 lb	20.4	15.1	38.3	16.4	20.8	34.9	32.6	38.4	37.0	36.9
100,000 lb or more	27.6	32.9	23.5	5.3	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	15.6	32.3	23.8	14.4	29.2	S	29.7	46.8	47.1	45.8
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	23.3	S	S	S	S	S	S
100 to 499 lb	S	S	48.5	41.2	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	43.1	33.9	S	21.0	44.8	37.0	S	—	—	—
10,000 to 49,999 lb	18.8	17.1	17.8	32.8	47.9	S	S	41.0	44.5	42.8
50,000 to 99,999 lb	38.8	25.7	24.3	46.5	37.6	31.3	33.9	S	S	S
100,000 lb or more	21.3	36.7	29.6	41.7	38.1	S	36.3	S	S	S
SCTG 15, Coal	6.3	10.3	15.3	S	16.7	16.2	19.5	26.1	24.7	26.8
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	47.0	49.2	S	28.4	47.0	49.2	S	—	—	—
500 to 749 lb	S	S	S	22.0	S	S	S	—	—	—
750 to 999 lb	S	S	S	22.3	S	S	S	—	—	—
1,000 to 9,999 lb	S	32.0	34.4	29.6	S	32.8	32.4	S	S	S
10,000 to 49,999 lb	S	39.2	48.5	40.5	49.3	44.1	40.0	S	49.6	49.7
50,000 to 99,999 lb	29.0	34.0	42.4	23.0	31.9	30.2	37.6	S	S	S
100,000 lb or more	6.8	10.7	15.3	18.2	18.7	18.1	26.3	28.7	26.4	28.2
SCTG 17, Gasoline and aviation turbine fuel	10.6	10.0	39.8	22.5	14.0	14.2	15.2	19.7	16.1	19.1
Less than 50 lb	S	S	S	21.3	S	S	S	S	S	S
50 to 99 lb	S	S	S	26.7	S	S	S	—	—	—
100 to 499 lb	45.5	37.6	37.9	49.3	45.6	37.7	38.7	—	—	—
500 to 749 lb	34.4	34.6	S	28.1	37.4	38.4	S	—	—	—
750 to 999 lb	37.6	44.8	S	18.3	37.9	45.3	S	S	S	S
1,000 to 9,999 lb	18.3	21.0	24.0	19.4	20.5	26.3	28.9	38.1	31.5	30.9
10,000 to 49,999 lb	20.6	17.7	36.3	26.3	17.1	14.9	13.9	23.5	20.2	24.0
50,000 to 99,999 lb	12.6	11.7	S	30.4	15.8	15.8	18.9	20.5	16.2	19.0
100,000 lb or more	29.7	28.4	45.5	18.3	36.8	37.0	40.7	S	S	S
SCTG 18, Fuel oils	10.8	11.7	17.4	12.7	14.1	14.9	13.3	16.6	18.7	18.3
Less than 50 lb	S	S	S	36.6	S	S	S	—	—	—
50 to 99 lb	44.2	28.7	42.5	28.1	47.9	36.7	44.9	S	S	S
100 to 499 lb	29.3	27.9	32.4	18.1	29.7	28.5	35.5	S	S	S
500 to 749 lb	32.4	29.5	42.5	26.2	37.7	34.6	S	S	S	S
750 to 999 lb	28.7	30.7	50.0	19.6	29.6	31.5	46.4	S	S	S
1,000 to 9,999 lb	27.7	26.3	25.7	23.2	29.8	27.5	26.6	41.5	49.2	48.7
10,000 to 49,999 lb	14.4	16.0	29.7	17.9	15.7	15.9	13.1	27.8	28.3	31.9
50,000 to 99,999 lb	10.1	10.5	14.1	13.0	14.4	16.3	15.0	28.6	28.6	27.6
100,000 lb or more	31.5	29.7	26.1	20.6	39.7	37.4	45.5	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	12.5	30.3	S	18.3	19.6	22.8	17.5	29.2	S	S
Less than 50 lb	31.4	28.8	33.5	34.6	33.0	32.1	28.5	S	S	45.5
50 to 99 lb	S	31.1	S	18.5	S	25.8	31.9	S	S	S
100 to 499 lb	36.9	34.4	S	12.4	30.3	30.1	26.0	S	S	S
500 to 749 lb	S	47.7	31.5	29.0	S	S	47.0	S	S	38.8
750 to 999 lb	37.2	S	48.7	44.4	38.6	S	S	43.7	S	S
1,000 to 9,999 lb	23.7	36.8	20.5	35.5	31.0	42.8	40.9	35.8	39.4	41.1
10,000 to 49,999 lb	14.7	16.4	18.8	13.2	24.6	21.9	30.7	32.5	29.1	28.2
50,000 to 99,999 lb	19.4	19.0	23.6	18.6	26.5	30.0	27.4	37.5	35.0	38.5
100,000 lb or more	27.2	45.0	S	15.3	S	S	S	S	S	S
SCTG 20, Basic chemicals	12.6	24.2	24.3	15.1	16.9	29.7	39.3	25.4	40.1	42.0
Less than 50 lb	31.7	26.3	44.8	16.5	33.3	17.6	19.9	49.9	37.0	36.4
50 to 99 lb	27.9	33.1	28.5	S	36.6	35.9	26.9	S	S	S
100 to 499 lb	21.5	33.8	42.5	21.4	22.1	38.1	35.4	S	S	S
500 to 749 lb	27.1	22.3	31.9	35.7	28.2	23.8	21.9	S	38.4	35.7
750 to 999 lb	28.8	24.6	40.6	S	25.9	26.5	31.1	S	46.2	S
1,000 to 9,999 lb	37.3	17.9	41.8	18.5	28.9	19.8	20.2	26.8	22.2	26.2
10,000 to 49,999 lb	20.0	26.7	18.9	16.4	35.5	36.9	39.9	26.2	42.6	43.2
50,000 to 99,999 lb	31.9	31.8	30.8	35.1	30.6	40.3	41.9	47.7	48.1	S
100,000 lb or more	20.7	25.7	25.3	7.5	42.4	41.9	S	S	S	S
SCTG 21, Pharmaceutical products	12.5	22.2	34.0	12.0	23.1	38.0	41.9	44.8	37.4	38.4
Less than 50 lb	15.7	19.1	20.7	12.1	18.8	27.7	26.8	S	S	S
50 to 99 lb	31.8	42.2	37.9	26.6	S	S	49.2	39.9	33.9	40.8
100 to 499 lb	28.0	33.0	32.4	32.4	42.7	S	48.6	S	48.9	47.3
500 to 749 lb	38.6	41.5	S	21.3	S	S	S	S	S	S
750 to 999 lb	41.4	S	41.0	21.3	S	S	S	S	S	S
1,000 to 9,999 lb	48.3	47.3	43.9	40.3	S	S	S	S	49.7	S
10,000 to 49,999 lb	34.4	49.1	S	16.9	S	42.9	S	—	—	—
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	11.7	12.8	27.9	26.4	24.7	25.2	22.5	46.3	39.0	39.3
Less than 50 lb	S	S	S	19.6	S	36.8	S	S	S	S
50 to 99 lb	S	32.8	S	S	40.8	31.4	35.8	S	S	S
100 to 499 lb	42.2	S	44.6	S	48.0	S	S	S	S	S
500 to 749 lb	30.5	26.2	34.4	23.9	24.8	27.4	29.7	S	S	S
750 to 999 lb	33.0	28.2	39.2	41.6	34.4	29.5	43.4	—	—	—
1,000 to 9,999 lb	30.0	30.3	44.1	13.0	30.6	30.5	31.3	29.7	35.9	35.0
10,000 to 49,999 lb	21.8	22.6	16.5	44.6	28.9	31.0	28.5	32.1	S	S
50,000 to 99,999 lb	19.8	17.0	19.3	10.0	32.6	30.3	28.3	47.6	41.2	40.7
100,000 lb or more	23.1	24.6	33.3	6.4	43.7	43.2	42.6	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	19.7	32.2	32.5	17.1	22.5	41.6	29.9	35.1	23.7	24.8
Less than 50 lb	17.6	19.3	28.0	17.0	28.2	29.7	30.9	39.8	28.7	27.7
50 to 99 lb	24.9	26.4	S	31.6	37.2	38.4	36.5	34.4	29.1	29.1
100 to 499 lb	25.9	24.3	17.6	24.7	36.3	28.1	24.4	S	S	S
500 to 749 lb	19.4	22.5	32.1	26.5	34.3	32.0	24.4	41.7	25.5	26.6
750 to 999 lb	27.2	28.1	35.3	40.8	36.2	41.7	23.3	S	S	S
1,000 to 9,999 lb	24.1	17.7	28.4	14.9	19.4	18.4	19.2	S	49.0	S
10,000 to 49,999 lb	32.7	38.6	36.7	13.7	47.1	49.2	S	26.2	19.9	21.4
50,000 to 99,999 lb	S	S	37.9	S	S	S	34.7	40.7	40.0	40.6
100,000 lb or more	S	37.3	40.6	24.8	49.9	48.2	48.3	S	S	S
SCTG 24, Plastics and rubber	6.9	8.4	10.7	12.7	15.4	14.1	15.5	21.3	29.6	32.2
Less than 50 lb	19.3	18.2	30.3	14.1	32.7	19.6	13.2	36.4	45.3	44.7
50 to 99 lb	12.6	21.1	24.1	19.8	17.8	21.0	16.3	37.1	S	S
100 to 499 lb	11.5	14.2	12.2	21.4	18.7	19.5	18.1	14.8	15.6	16.4
500 to 749 lb	13.0	11.9	13.9	11.8	18.6	17.9	26.4	23.1	27.9	32.2
750 to 999 lb	22.2	28.9	33.9	15.1	23.9	24.5	28.6	34.5	30.9	30.9
1,000 to 9,999 lb	7.8	15.6	13.8	11.2	12.9	25.5	24.0	35.3	35.6	37.8
10,000 to 49,999 lb	11.7	13.3	16.0	7.1	23.8	19.0	23.9	49.6	S	S
50,000 to 99,999 lb	46.8	S	S	20.5	—	—	—	S	S	S
100,000 lb or more	S	S	S	21.4	S	S	S	—	—	—
SCTG 25, Logs and other wood in the rough	33.8	34.5	33.4	S	45.4	43.9	S	40.9	41.1	41.3
Less than 50 lb	S	S	S	24.4	S	S	S	—	—	—
50 to 99 lb	S	S	S	22.0	S	S	S	—	—	—
100 to 499 lb	S	44.3	S	22.1	S	44.0	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	38.3	S	22.3	49.6	37.0	S	S	S	S
1,000 to 9,999 lb	42.5	37.5	42.8	S	S	S	S	S	S	S
10,000 to 49,999 lb	34.1	37.7	31.4	S	40.3	S	S	43.8	S	S
50,000 to 99,999 lb	38.5	35.6	36.2	S	48.3	44.8	S	42.1	41.6	42.2
100,000 lb or more	33.8	43.7	45.3	20.6	S	S	S	—	—	—
SCTG 26, Wood products	6.7	5.5	6.3	19.8	14.3	12.8	10.7	13.9	10.5	11.6
Less than 50 lb	21.4	20.3	39.6	24.1	26.1	27.5	33.6	37.0	37.0	38.2
50 to 99 lb	32.7	22.7	34.0	44.0	43.8	24.6	22.4	S	40.9	41.9
100 to 499 lb	25.5	21.0	S	20.5	22.2	19.7	16.4	35.1	31.2	28.1
500 to 749 lb	32.2	27.4	S	23.6	33.8	28.9	32.9	43.3	44.0	38.0
750 to 999 lb	26.0	21.2	30.9	34.5	33.0	25.2	32.2	35.1	26.9	24.6
1,000 to 9,999 lb	18.4	15.0	12.0	20.0	21.1	18.0	9.5	29.5	19.3	19.4
10,000 to 49,999 lb	3.7	6.7	12.8	11.1	11.0	11.1	8.7	13.1	12.1	12.9
50,000 to 99,999 lb	10.4	13.3	13.8	12.3	13.4	31.0	31.9	24.5	25.0	25.6
100,000 lb or more	7.2	7.6	7.0	3.7	42.8	S	30.0	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	13.5	18.3	29.2	14.4	18.3	16.5	16.6	35.6	33.9	30.8
Less than 50 lb	22.2	22.2	35.1	14.3	21.1	22.1	27.7	29.9	31.3	28.6
50 to 99 lb	19.9	19.3	48.2	15.6	18.0	14.5	22.4	31.5	31.2	31.8
100 to 499 lb	26.2	21.3	28.1	23.8	35.8	27.1	26.4	32.1	24.0	23.3
500 to 749 lb	25.6	23.2	37.2	37.8	32.5	28.0	33.1	S	49.2	S
750 to 999 lb	23.0	20.8	27.3	38.0	27.6	24.3	28.0	S	48.9	S
1,000 to 9,999 lb	20.4	18.5	26.4	19.2	13.9	18.1	19.5	37.0	34.6	35.6
10,000 to 49,999 lb	22.2	22.1	28.2	19.7	38.6	29.4	34.2	S	S	S
50,000 to 99,999 lb	34.7	32.8	19.7	S	S	S	S	—	—	—
100,000 lb or more	37.4	40.9	41.9	17.5	—	—	—	—	—	—
SCTG 28, Paper or paperboard articles	10.1	11.5	23.0	15.7	10.8	14.4	16.7	16.4	19.0	19.7
Less than 50 lb	24.9	17.0	39.8	15.1	21.2	18.6	16.5	27.3	20.2	22.3
50 to 99 lb	15.5	15.6	48.8	24.2	18.6	17.8	21.0	27.1	24.6	27.1
100 to 499 lb	12.7	13.7	19.0	25.6	16.5	16.6	18.6	30.5	25.7	27.0
500 to 749 lb	18.1	22.5	29.6	29.7	25.2	29.3	25.7	S	S	S
750 to 999 lb	17.4	20.9	24.4	43.8	24.4	29.9	26.3	39.5	44.7	48.6
1,000 to 9,999 lb	12.2	13.9	24.6	21.6	14.8	17.7	15.8	25.1	29.1	30.2
10,000 to 49,999 lb	22.2	16.2	21.1	11.7	22.5	22.8	26.1	24.9	24.5	24.7
50,000 to 99,999 lb	41.6	39.1	S	21.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.8	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	8.9	15.1	13.9	23.8	11.1	18.7	30.9	18.4	37.8	35.9
Less than 50 lb	20.5	23.9	25.2	28.1	22.2	27.5	36.6	45.6	42.6	44.1
50 to 99 lb	20.6	34.1	33.3	17.9	22.0	39.3	35.5	33.6	36.3	44.4
100 to 499 lb	14.8	19.4	23.7	20.9	20.7	27.3	S	37.8	28.3	29.9
500 to 749 lb	40.7	49.6	31.1	35.4	S	S	S	S	S	S
750 to 999 lb	31.2	29.5	23.7	28.6	45.9	41.3	S	S	S	S
1,000 to 9,999 lb	16.0	21.7	19.3	26.0	16.8	25.3	42.2	29.8	41.3	44.1
10,000 to 49,999 lb	16.7	25.1	37.4	S	21.6	28.6	40.6	S	S	S
50,000 to 99,999 lb	S	S	S	22.8	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	11.1	13.7	20.7	8.1	13.5	25.9	25.6	26.1	34.6	31.0
Less than 50 lb	23.1	14.1	19.1	8.2	27.2	38.0	38.9	36.4	28.6	31.1
50 to 99 lb	11.5	11.6	10.5	14.5	23.8	19.6	32.5	43.6	31.2	29.0
100 to 499 lb	11.2	12.1	15.2	16.9	19.4	22.3	22.4	28.2	28.2	27.2
500 to 749 lb	17.5	13.0	20.3	15.4	26.1	24.9	28.9	S	S	49.1
750 to 999 lb	26.4	21.1	24.8	25.0	37.2	29.5	42.3	37.5	36.6	36.7
1,000 to 9,999 lb	17.6	15.0	29.9	13.3	20.6	26.0	25.5	27.4	35.5	35.0
10,000 to 49,999 lb	24.2	29.0	43.5	29.7	38.0	46.8	46.3	49.4	S	S
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	23.6	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	7.9	8.7	18.3	25.0	8.7	9.9	9.7	11.5	15.3	14.8
Less than 50 lb	19.5	36.9	25.4	16.6	42.0	S	46.2	32.0	23.2	22.2
50 to 99 lb	16.3	22.2	31.3	21.6	24.2	22.0	23.3	28.5	32.8	29.2
100 to 499 lb	18.7	30.4	S	15.5	17.6	16.3	15.9	45.0	S	49.4
500 to 749 lb	23.1	22.4	42.0	37.2	30.4	20.0	26.0	36.5	41.4	45.2
750 to 999 lb	17.1	15.7	34.7	26.1	24.6	19.2	25.5	S	S	S
1,000 to 9,999 lb	25.0	14.1	49.0	16.7	32.5	13.8	18.0	30.8	29.2	28.6
10,000 to 49,999 lb	8.4	9.3	14.1	16.9	9.0	9.8	10.9	20.8	27.0	24.5
50,000 to 99,999 lb	13.3	15.3	17.0	8.6	12.9	18.3	13.8	20.8	20.9	20.1
100,000 lb or more	19.6	19.6	35.7	19.2	26.0	32.2	24.6	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	13.7	8.1	15.7	13.8	17.7	9.9	13.7	17.3	21.4	20.3
Less than 50 lb	20.8	17.8	25.1	18.4	17.8	19.8	22.4	31.5	32.0	34.2
50 to 99 lb	21.9	24.6	26.0	26.3	20.1	27.1	24.1	S	43.1	44.2
100 to 499 lb	21.2	16.3	17.9	15.9	14.1	18.4	15.2	47.5	21.6	21.2
500 to 749 lb	15.2	14.3	28.7	21.5	14.2	13.3	15.2	35.8	40.3	41.9
750 to 999 lb	17.2	21.6	30.9	23.1	20.5	24.1	27.8	37.7	20.0	21.2
1,000 to 9,999 lb	23.6	9.9	18.4	18.1	27.7	12.1	11.5	19.3	18.5	17.8
10,000 to 49,999 lb	14.4	9.0	14.3	13.3	26.2	15.7	24.6	26.3	28.0	26.8
50,000 to 99,999 lb	20.4	16.5	20.1	28.9	49.8	33.3	44.4	S	S	S
100,000 lb or more	26.6	18.1	24.4	8.6	S	32.8	32.8	S	S	S
SCTG 33, Articles of base metal	9.1	16.8	20.5	15.8	12.5	20.5	21.5	21.5	24.6	21.6
Less than 50 lb	12.8	14.9	15.2	17.4	17.8	21.0	26.7	16.8	17.4	18.5
50 to 99 lb	16.9	22.1	36.3	18.0	19.9	29.8	37.0	26.5	34.8	37.1
100 to 499 lb	13.7	16.6	10.0	18.9	17.5	20.6	22.8	32.0	22.1	22.1
500 to 749 lb	14.3	16.6	15.7	12.9	18.8	21.6	14.3	23.3	26.8	30.8
750 to 999 lb	16.5	19.1	16.0	18.6	20.4	25.5	21.0	40.3	34.1	40.7
1,000 to 9,999 lb	13.8	12.9	14.1	12.4	17.5	15.3	16.0	23.0	32.5	30.5
10,000 to 49,999 lb	13.7	19.3	23.7	15.7	22.3	32.5	31.5	36.7	38.0	33.8
50,000 to 99,999 lb	43.3	37.0	44.2	19.1	37.9	S	39.5	S	S	S
100,000 lb or more	46.0	45.7	S	19.2	S	S	S	—	—	—
SCTG 34, Machinery	8.8	11.2	21.1	12.2	11.3	14.9	25.8	28.4	39.7	S
Less than 50 lb	15.3	10.3	7.3	13.3	17.6	14.5	15.7	17.5	22.5	22.8
50 to 99 lb	11.3	7.8	10.9	14.9	21.5	13.8	19.1	29.0	19.3	21.0
100 to 499 lb	10.5	12.1	19.2	15.1	12.0	16.3	14.4	16.9	14.7	17.0
500 to 749 lb	27.5	24.1	43.7	14.8	30.6	27.8	36.0	36.2	29.8	30.9
750 to 999 lb	19.5	21.2	34.8	11.1	35.4	29.0	45.6	S	44.7	S
1,000 to 9,999 lb	13.2	15.5	24.2	11.2	26.8	25.6	24.5	30.5	21.0	23.2
10,000 to 49,999 lb	22.3	17.6	25.3	12.6	25.8	27.5	48.5	S	S	S
50,000 to 99,999 lb	47.5	44.9	S	23.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.9	—	—	—	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	13.5	17.2	19.3	9.3	11.9	14.4	15.2	21.2	46.6	37.7
Less than 50 lb	18.6	15.7	28.9	8.9	11.3	13.3	10.8	21.1	18.2	18.0
50 to 99 lb	20.8	16.2	39.0	14.2	21.4	13.6	13.6	31.0	22.1	23.0
100 to 499 lb	15.7	10.9	21.6	17.8	21.6	14.1	16.1	40.9	23.3	25.6
500 to 749 lb	33.0	21.0	42.8	13.8	47.4	16.1	20.2	48.0	41.7	40.6
750 to 999 lb	23.0	22.0	40.8	18.6	25.0	28.6	35.9	S	S	49.7
1,000 to 9,999 lb	28.7	28.7	32.6	13.0	26.1	24.1	26.7	40.9	29.9	27.9
10,000 to 49,999 lb	26.5	22.7	16.1	19.6	27.2	26.2	29.2	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	22.4	S	S	S	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	15.4	24.4	42.7	16.8	7.8	14.0	18.0	16.8	26.4	25.0
Less than 50 lb	15.1	12.6	25.3	19.5	12.8	15.5	18.8	25.6	20.5	18.2
50 to 99 lb	19.8	17.6	28.0	13.1	21.2	20.6	24.6	35.7	34.9	32.9
100 to 499 lb	14.3	9.8	14.0	13.5	14.4	16.8	15.5	31.7	25.5	27.0
500 to 749 lb	22.2	32.9	26.6	25.2	24.1	39.2	S	41.1	S	S
750 to 999 lb	S	20.7	25.0	36.6	33.3	32.1	30.1	29.0	43.4	41.3
1,000 to 9,999 lb	16.3	16.1	35.0	12.0	14.4	15.1	13.8	30.5	44.6	49.9
10,000 to 49,999 lb	29.1	37.4	49.5	12.1	24.6	22.9	26.3	44.8	42.2	43.5
50,000 to 99,999 lb	46.8	42.6	S	20.3	S	48.0	S	—	—	—
100,000 lb or more	S	S	S	22.4	—	—	—	S	S	S
SCTG 37, Transportation equipment, n.e.c.	21.6	S	46.3	23.3	49.7	S	S	49.6	S	S
Less than 50 lb	29.9	47.8	24.7	27.0	S	S	S	S	40.7	40.6
50 to 99 lb	23.8	S	39.0	11.9	S	S	S	S	S	S
100 to 499 lb	45.8	32.6	28.4	16.6	S	31.5	46.8	S	S	S
500 to 749 lb	S	33.6	S	19.7	S	S	S	S	S	S
750 to 999 lb	44.0	S	S	19.4	S	S	S	—	—	—
1,000 to 9,999 lb	S	30.9	31.9	18.0	39.2	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	21.2	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	36.4	S	S	S	—	—	—
100,000 lb or more	23.4	S	S	24.0	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	13.4	16.5	21.3	6.7	18.9	20.8	22.5	39.3	27.9	27.1
Less than 50 lb	13.8	10.2	11.9	6.6	23.3	21.1	19.5	36.4	22.4	23.6
50 to 99 lb	29.8	37.8	45.3	10.6	36.4	34.2	37.5	S	49.8	S
100 to 499 lb	27.0	23.3	21.2	13.5	39.2	30.2	36.6	S	S	48.5
500 to 749 lb	26.5	28.8	29.5	22.5	S	S	S	S	S	S
750 to 999 lb	32.7	S	34.7	35.8	S	S	S	—	—	—
1,000 to 9,999 lb	18.5	37.2	42.7	10.9	49.5	39.9	34.2	—	—	—
10,000 to 49,999 lb	48.5	45.9	49.7	20.1	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	26.4	21.8	19.6	14.5	36.9	32.1	43.1	34.1	29.9	29.9
Less than 50 lb	34.4	28.8	42.3	13.4	43.8	33.9	40.3	33.0	32.3	32.9
50 to 99 lb	30.3	28.8	33.2	18.6	31.9	31.8	38.9	S	S	S
100 to 499 lb	47.9	44.9	24.8	33.4	S	S	S	S	42.6	43.0
500 to 749 lb	46.7	S	23.4	S	S	S	S	S	S	S
750 to 999 lb	39.3	41.3	41.8	29.9	49.3	S	S	S	S	S
1,000 to 9,999 lb	14.8	15.2	19.4	17.0	21.0	19.5	26.5	23.9	21.8	22.2
10,000 to 49,999 lb	16.6	15.5	26.6	16.5	27.5	27.8	37.0	46.3	46.0	45.9
50,000 to 99,999 lb	S	S	S	21.8	—	—	—	—	—	—
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	12.3	33.0	21.0	6.5	12.3	27.6	33.4	43.5	S	S
Less than 50 lb	10.4	14.1	21.8	6.1	14.4	14.6	13.5	22.0	16.1	16.4
50 to 99 lb	20.7	36.7	S	10.0	22.9	18.3	18.2	31.6	37.3	36.4
100 to 499 lb	23.7	16.9	32.6	11.0	18.2	14.8	17.5	23.9	18.3	17.6
500 to 749 lb	36.8	17.8	31.7	15.1	27.4	25.1	28.7	36.3	35.2	32.9
750 to 999 lb	30.0	13.8	14.5	16.3	38.9	27.1	28.4	38.5	31.9	32.4
1,000 to 9,999 lb	12.6	13.7	11.4	12.5	17.8	16.6	21.8	45.0	45.8	44.9
10,000 to 49,999 lb	18.6	21.5	18.2	8.3	20.0	30.8	25.8	S	S	S
50,000 to 99,999 lb	S	S	S	24.0	S	S	S	S	S	S
100,000 lb or more	41.9	S	S	25.7	S	S	S	—	—	—
SCTG 41, Waste and scrap .	28.3	47.6	45.3	21.6	43.0	S	30.5	43.7	S	S
Less than 50 lb	S	S	S	30.5	S	S	S	—	—	—
50 to 99 lb	S	S	S	22.4	S	S	S	—	—	—
100 to 499 lb	49.2	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	22.4	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	41.0	38.7	43.5	38.0	S	49.7	S	S	S	S
10,000 to 49,999 lb	34.8	23.2	22.5	18.4	24.8	42.6	39.7	S	47.2	S
50,000 to 99,999 lb	34.5	S	41.8	37.6	S	S	S	S	S	S
100,000 lb or more	34.4	S	S	35.4	S	S	S	S	S	S
SCTG 43, Mixed freight	11.3	12.6	19.6	23.3	13.1	13.4	13.8	13.2	18.6	16.7
Less than 50 lb	37.6	30.4	S	22.8	34.7	28.6	24.4	S	34.0	32.3
50 to 99 lb	36.2	31.0	40.8	S	34.5	30.4	25.6	48.0	42.6	39.2
100 to 499 lb	17.4	18.4	16.1	33.3	22.9	23.8	23.4	30.4	25.6	25.0
500 to 749 lb	23.1	21.9	23.9	S	29.2	26.4	22.7	28.3	30.1	29.6
750 to 999 lb	18.6	18.7	30.9	26.1	20.6	20.7	21.4	42.8	S	S
1,000 to 9,999 lb	16.7	16.1	27.5	13.2	16.6	15.8	18.2	21.1	19.0	19.6
10,000 to 49,999 lb	19.6	22.9	35.2	14.9	23.5	25.8	24.8	25.1	28.7	26.2
50,000 to 99,999 lb	33.2	35.7	42.0	17.2	S	S	S	48.8	48.4	46.1
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	22.2	46.3	S	12.2	28.6	S	S	43.7	31.8	35.9
Less than 50 lb	30.1	24.7	32.5	12.8	31.2	31.8	36.8	41.3	45.7	43.3
50 to 99 lb	36.7	30.1	S	18.0	39.9	32.8	31.2	S	S	S
100 to 499 lb	26.1	19.9	31.0	37.0	36.2	24.7	24.2	48.1	41.3	40.5
500 to 749 lb	S	47.2	42.2	S	S	44.1	S	S	S	S
750 to 999 lb	S	S	S	31.7	S	S	S	—	—	—
1,000 to 9,999 lb	39.7	30.8	42.0	20.5	38.1	23.2	30.4	44.9	37.3	36.1
10,000 to 49,999 lb	38.7	S	S	S	35.4	S	S	S	S	S
50,000 to 99,999 lb	S	S	48.9	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.5	S	S	S	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	6.4	8.9	8.4	8.2	6.6	5.9	6.2	11.6	12.2	6.1	18.3	17.5
Less than 50 lb	9.9	6.9	7.1	12.5	9.9	10.4	9.4	11.2	11.4	17.5	10.5	10.4
50 to 99 lb	10.6	10.1	9.7	21.3	12.1	11.5	20.1	16.6	16.7	20.4	28.3	28.2
100 to 499 lb	7.6	8.4	7.8	30.2	15.0	13.6	22.6	9.1	9.2	21.1	13.4	13.5
500 to 749 lb	16.0	12.6	11.4	37.2	8.7	8.6	32.9	13.9	13.6	18.5	17.8	18.2
750 to 999 lb	13.9	16.8	16.0	42.4	17.7	18.6	41.8	12.2	11.3	20.0	28.5	29.8
1,000 to 9,999 lb	7.0	11.3	10.6	10.4	10.4	10.6	11.4	13.0	12.1	8.1	14.1	13.6
10,000 to 49,999 lb	17.1	15.0	14.5	7.5	7.3	7.4	7.1	7.9	7.4	10.7	10.0	10.1
50,000 to 99,999 lb	19.3	9.4	8.7	24.4	14.0	13.5	25.6	13.7	13.8	18.6	24.9	25.4
100,000 lb or more	19.7	19.1	17.0	8.6	8.7	7.7	12.3	12.8	13.2	9.2	19.2	18.4
SCTG 01, Live animals and live fish	—	—	—	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	31.0	30.3	32.9	31.5	36.8	38.8	31.5	29.9	30.9	38.0	38.5	39.2
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	49.8	46.4	48.4	S	S	S	43.0	37.4	34.8	S	S	S
50,000 to 99,999 lb	35.6	34.7	37.8	46.3	S	S	37.9	38.7	38.6	46.8	45.3	45.5
100,000 lb or more	S	S	S	38.6	39.4	40.7	32.3	30.6	31.4	41.4	40.8	41.2
SCTG 03, Other agricultural products	29.4	25.9	28.3	37.3	S	S	27.2	38.3	38.9	49.7	S	S
Less than 50 lb	S	S	S	48.3	49.1	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	42.4	43.2	44.2	S	S	S	S	S
100 to 499 lb	S	S	S	38.9	40.8	39.9	45.0	42.4	43.1	49.5	49.5	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	36.9	36.0	36.1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	46.6	45.4	43.3	46.8	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	26.1	36.4	39.7	39.9	S	S	26.4	42.4	43.5	48.7	49.8	48.4
50,000 to 99,999 lb	S	S	S	43.6	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	31.1	33.0	34.8	20.8	36.1	31.4	32.8	25.5	23.6	26.0	27.9	27.2
Less than 50 lb	S	47.6	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	38.9	40.1	45.1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	44.2	47.3	S	44.0	42.0	39.4	S	S	S	47.4	S	S
10,000 to 49,999 lb	37.8	32.4	33.0	25.5	21.4	21.5	35.3	35.5	34.0	35.3	43.2	42.5
50,000 to 99,999 lb	S	S	S	49.4	S	S	49.0	44.7	45.1	S	S	S
100,000 lb or more	S	S	S	47.3	S	S	46.3	45.6	44.7	S	47.2	46.5
SCTG 05, Meat, fish, seafood, and their preparations	28.1	31.5	35.0	29.3	23.6	23.7	19.9	17.3	17.7	22.9	20.7	21.1
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	38.4	38.7	40.9	S	S	S	S	S	S	S	S	S
100 to 499 lb	29.6	31.0	28.9	S	S	S	48.9	46.7	48.0	S	S	S
500 to 749 lb	S	S	46.3	S	S	S	S	S	S	S	S	S
750 to 999 lb	39.2	37.8	39.3	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	25.8	27.4	25.3	41.0	36.4	34.3	26.5	36.0	36.4	29.2	31.7	31.4
10,000 to 49,999 lb	49.4	48.8	S	29.0	22.4	22.8	21.9	18.3	18.8	23.8	21.6	22.0
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	28.2	30.4	28.4	21.2	19.1	19.6	30.7	28.4	27.8	32.3	43.6	45.6
Less than 50 lb	48.8	39.8	43.9	S	S	S	S	S	S	S	S	S
50 to 99 lb	34.1	35.5	36.9	S	S	S	S	S	S	S	S	S
100 to 499 lb	39.3	34.0	33.6	40.8	43.3	41.5	S	S	S	S	S	48.7
500 to 749 lb	S	S	49.5	42.4	48.7	47.7	S	S	S	—	—	—
750 to 999 lb	39.0	40.2	39.0	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	27.4	29.1	30.6	40.3	41.6	42.9	43.1	41.8	42.5	44.3	41.8	42.2
10,000 to 49,999 lb	43.1	48.3	44.8	25.6	21.3	21.2	30.7	37.9	37.8	33.0	45.5	47.4
50,000 to 99,999 lb	S	S	S	47.1	43.2	44.6	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	48.1	47.7	47.7	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	20.8	17.7	18.3	15.3	10.4	10.9	16.4	16.3	15.9	28.9	15.4	15.7
Less than 50 lb	42.7	27.9	28.4	S	S	S	S	S	S	S	S	S
50 to 99 lb	29.3	31.2	28.6	49.7	46.5	46.1	44.6	40.3	42.1	S	S	S
100 to 499 lb	35.8	31.9	29.7	32.0	45.6	43.1	38.6	34.6	34.7	47.0	S	S
500 to 749 lb	S	S	S	47.1	S	S	S	47.5	46.7	S	S	S
750 to 999 lb	39.6	S	48.3	39.7	43.2	41.6	31.0	47.5	46.5	S	S	S
1,000 to 9,999 lb	21.5	36.8	33.5	28.0	29.7	29.6	35.6	41.3	41.2	S	44.9	45.1
10,000 to 49,999 lb	31.7	20.8	21.9	18.6	12.5	12.5	19.2	14.1	13.8	37.3	17.2	17.2
50,000 to 99,999 lb	29.7	27.2	26.4	28.0	24.9	25.0	S	S	S	—	—	—
100,000 lb or more	S	S	S	38.8	40.4	40.9	42.8	39.0	36.5	41.3	33.8	34.3
SCTG 08, Alcoholic beverages	20.1	23.6	23.0	40.6	34.4	34.1	36.1	43.2	47.4	33.7	41.9	43.0
Less than 50 lb	31.7	31.7	35.6	—	—	—	S	S	S	—	—	—
50 to 99 lb	24.9	20.3	19.6	S	S	S	—	—	—	—	—	—
100 to 499 lb	17.9	17.3	18.2	S	S	S	—	—	—	—	—	—
500 to 749 lb	26.7	22.6	23.4	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	50.0	46.4	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	46.8	40.8	42.0	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	36.5	38.8	40.8	40.3	36.9	36.7	33.0	32.6	32.8	31.7	29.5	29.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	41.5	S	S	S	S	S	47.4	48.0	48.6
SCTG 09, Tobacco products	32.6	33.3	33.6	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	34.0	32.6	39.7	S	S	S	—	—	—	—	—	—
100 to 499 lb	37.5	31.1	36.1	S	S	S	—	—	—	—	—	—
500 to 749 lb	42.0	43.5	45.0	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	S	S	S	S	S	48.3	47.9	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	46.9	47.0	47.1	S	48.1	47.4	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	34.0	42.7	40.6	44.2	45.0	45.0	44.8	44.4	49.8	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	47.6	49.5	46.4	46.1	49.9	49.4	S	S	S	S	S	S
100,000 lb or more	S	46.3	46.4	48.1	45.7	45.7	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	46.3	S	S	S	46.0	44.0	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	39.4	44.6	47.9	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	29.7	24.0	27.8	41.7	34.3	31.2	33.7	35.1	31.7	34.2	22.9	22.4
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	36.7	36.0
10,000 to 49,999 lb	46.4	36.8	44.1	—	49.8	46.6	S	S	S	S	49.3	46.0
50,000 to 99,999 lb	41.0	32.8	30.7	23.6	22.9	22.1	43.0	S	S	36.4	38.1	40.0
100,000 lb or more	34.7	40.3	44.9	42.3	45.4	44.2	39.3	33.7	34.0	27.6	20.1	21.0

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	29.7	21.3	21.2	38.4	38.7	35.6	S	S	S	42.7	27.9	30.6
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	45.2	46.1	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	37.3	30.2	29.7	44.9	47.1	44.4	S	S	S	48.5	43.5	42.6
50,000 to 99,999 lb	S	34.4	32.0	S	S	S	S	S	S	—	—	—
100,000 lb or more	45.1	31.7	31.6	35.1	43.2	40.6	S	S	S	43.7	40.1	40.6
SCTG 15, Coal	30.4	25.3	23.2	16.8	13.0	13.0	16.4	15.3	15.7	16.1	20.7	19.9
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	45.4	46.2	47.7	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	46.0	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	31.8	26.4	23.1	17.1	13.3	13.1	15.6	15.3	15.7	16.1	20.7	19.9
SCTG 17, Gasoline and aviation turbine fuel	31.7	28.4	30.1	35.8	29.0	26.6	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	43.4	44.5	47.9
10,000 to 49,999 lb	49.0	43.8	38.7	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	17.7	16.4	16.5	40.2	41.4	42.3	S	S	S	—	—	—
100,000 lb or more	S	S	S	39.4	38.6	35.4	S	S	S	—	—	—
SCTG 18, Fuel oils	15.5	15.9	16.0	37.4	34.1	35.6	46.6	47.0	47.1	S	49.0	S
Less than 50 lb	49.6	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	42.9	43.2	S	S	S	S	S	S	43.1	44.6	45.9
10,000 to 49,999 lb	20.2	27.0	27.0	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	18.4	19.0	18.9	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	42.0	37.9	37.9	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	20.8	25.2	24.3	23.2	30.6	34.7	28.2	48.2	49.9	42.7	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	33.0	27.1	25.3	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	24.2	32.2	32.8	18.7	30.7	34.6	35.6	28.1	28.5	S	S	S
50,000 to 99,999 lb	33.8	32.5	31.9	41.1	38.1	36.8	S	S	S	S	S	S
100,000 lb or more	S	S	S	38.8	43.1	45.2	34.7	49.0	S	S	S	S
SCTG 20, Basic chemicals	19.2	25.1	27.9	25.8	32.0	30.6	18.9	30.7	31.2	S	34.0	33.6
Less than 50 lb	S	S	S	S	S	S	35.3	36.2	37.1	43.8	41.5	40.2
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	48.1	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	45.0	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	27.2	25.5	25.5	S	38.7	39.6	S	32.3	32.5	S	S	S
10,000 to 49,999 lb	31.1	37.0	44.4	38.4	33.2	31.9	36.2	30.1	32.4	S	26.6	27.0
50,000 to 99,999 lb	37.5	35.3	39.8	43.2	35.9	37.6	32.7	36.8	36.7	41.0	45.5	45.3
100,000 lb or more	32.9	29.0	30.0	39.8	41.9	36.9	34.5	32.6	32.8	34.5	37.5	36.7
SCTG 21, Pharmaceutical products	15.5	44.5	41.7	20.6	27.0	26.5	34.7	S	S	27.0	35.6	36.0
Less than 50 lb	19.3	26.9	28.5	22.2	27.0	26.7	30.3	29.6	28.8	30.8	27.6	27.2
50 to 99 lb	28.7	35.5	38.0	34.2	49.6	49.0	S	36.8	36.4	S	S	S
100 to 499 lb	37.1	33.3	31.3	S	28.4	28.2	S	34.8	38.5	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	49.4	49.1	48.2	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	44.1	43.5	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	23.3	21.9	23.3	23.8	20.7	20.7	16.7	17.8	17.8	30.7	34.3	35.6
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	45.0	47.1	38.7	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	33.6	27.4	28.0	20.9	25.9	24.8	24.7	21.9	21.0	45.9	S	S
50,000 to 99,999 lb	32.7	27.3	28.4	32.1	30.3	30.0	18.8	17.2	17.1	43.2	41.4	43.8
100,000 lb or more	38.4	35.4	35.9	31.8	31.9	32.2	19.3	21.8	21.3	30.3	33.0	33.9
SCTG 23, Chemical products and preparations, n.e.c.	S	S	S	32.1	42.5	38.9	25.2	44.5	42.3	30.9	32.8	31.9
Less than 50 lb	34.2	39.9	38.7	26.5	32.8	34.2	30.1	26.0	26.0	41.7	S	S
50 to 99 lb	47.2	37.1	35.6	38.3	35.8	37.4	41.7	35.7	35.2	S	S	S
100 to 499 lb	36.3	21.2	20.7	24.5	25.1	28.0	30.5	49.5	46.9	33.5	S	S
500 to 749 lb	23.0	40.7	38.2	S	39.1	36.7	S	43.0	43.0	47.8	S	S
750 to 999 lb	42.8	35.4	35.7	S	40.9	36.9	42.3	36.0	35.2	S	S	S
1,000 to 9,999 lb	15.1	21.0	21.5	26.8	21.9	22.6	S	42.2	39.5	S	29.1	28.9
10,000 to 49,999 lb	S	S	S	47.2	45.6	41.8	36.6	S	48.2	42.3	39.9	38.2
50,000 to 99,999 lb	49.1	36.2	39.6	S	S	S	S	45.8	45.2	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	13.9	17.5	18.4	12.8	15.6	15.1	15.3	21.0	21.0	20.7	25.1	25.0
Less than 50 lb	29.6	30.6	31.0	42.3	42.9	44.2	26.8	36.2	36.6	25.1	40.1	39.4
50 to 99 lb	S	S	S	37.4	29.7	35.1	23.9	28.7	25.8	S	35.1	36.9
100 to 499 lb	33.4	44.9	37.6	19.5	14.9	15.0	19.5	11.7	11.8	30.0	22.6	21.8
500 to 749 lb	16.9	19.2	18.1	19.3	18.5	18.3	28.4	23.1	24.4	S	24.5	23.5
750 to 999 lb	47.1	S	S	S	S	S	29.9	32.8	31.5	39.7	31.9	32.0
1,000 to 9,999 lb	11.2	17.4	19.8	12.0	18.0	15.7	20.1	21.5	21.7	37.2	31.8	31.3
10,000 to 49,999 lb	22.2	17.6	17.4	23.2	22.9	23.5	28.9	25.5	25.5	29.6	35.5	35.5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 25, Logs and other wood in the rough	39.2	44.0	43.2	28.6	44.0	46.2	46.7	S	S	42.4	40.5	40.9
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	42.7	30.4	30.1	41.2	38.2	39.6	36.7	35.5	35.7
50,000 to 99,999 lb	48.1	47.1	47.0	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	8.3	14.8	14.4	7.8	10.4	9.9	9.3	12.4	11.3	11.9	11.1	11.6
Less than 50 lb	S	S	S	45.2	S	S	46.9	39.7	39.9	35.7	S	S
50 to 99 lb	39.8	40.2	42.5	S	S	S	49.0	S	49.5	S	S	S
100 to 499 lb	20.8	21.5	21.4	24.9	25.9	29.4	S	S	S	S	S	S
500 to 749 lb	23.9	31.1	35.7	46.2	S	S	S	S	S	S	S	S
750 to 999 lb	23.3	21.2	23.9	49.5	S	47.5	S	S	S	S	S	S
1,000 to 9,999 lb	16.0	16.1	16.7	19.5	22.6	25.6	23.6	34.7	36.0	S	S	S
10,000 to 49,999 lb	11.0	11.1	10.9	9.2	11.3	11.9	13.4	15.5	14.5	13.9	9.2	9.7
50,000 to 99,999 lb	26.0	29.2	26.6	13.4	12.1	11.3	23.6	35.4	33.1	29.4	33.8	34.0
100,000 lb or more	19.0	39.9	36.0	14.3	30.9	25.9	14.0	16.8	16.3	14.3	14.0	14.2
SCTG 27, Pulp, newsprint, paper, and paperboard	20.2	32.8	36.3	25.2	24.9	25.6	31.9	27.0	27.8	39.9	40.6	44.1
Less than 50 lb	44.0	42.3	36.1	S	43.7	45.4	39.6	43.3	45.1	44.7	S	S
50 to 99 lb	39.2	29.8	33.2	S	S	S	S	S	S	S	S	S
100 to 499 lb	27.9	26.1	27.6	39.4	S	47.3	41.6	40.9	42.3	S	S	S
500 to 749 lb	33.1	30.9	31.0	47.0	48.2	49.2	S	S	S	S	S	S
750 to 999 lb	S	42.1	48.2	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	37.3	27.5	29.6	S	S	S	S	S	S	43.0	S	S
10,000 to 49,999 lb	43.4	45.0	43.3	38.8	34.5	33.6	31.8	29.0	29.7	43.1	39.7	40.7
50,000 to 99,999 lb	—	—	—	46.9	43.2	46.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	42.5	44.5	43.5	S	S	S	49.5	47.5	S
SCTG 28, Paper or paperboard articles	13.3	16.0	16.2	24.9	25.1	26.3	31.1	28.6	28.0	29.8	43.9	S
Less than 50 lb	27.4	17.9	21.0	25.0	21.8	23.4	44.1	47.9	48.9	S	S	S
50 to 99 lb	20.4	25.1	24.5	29.6	21.2	22.1	31.5	49.3	46.9	48.7	S	S
100 to 499 lb	22.2	20.1	17.4	24.3	26.1	24.5	34.2	25.2	25.6	S	S	S
500 to 749 lb	S	44.6	41.9	37.7	33.1	34.7	38.3	43.8	48.0	S	S	S
750 to 999 lb	45.1	42.1	38.4	S	S	S	32.8	36.3	35.9	S	S	S
1,000 to 9,999 lb	22.8	23.4	22.5	31.0	25.2	29.8	30.8	30.8	32.5	S	S	S
10,000 to 49,999 lb	20.0	18.3	19.3	35.8	34.5	34.0	39.7	35.6	35.3	39.4	34.5	34.4
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	12.4	23.8	20.0	20.7	33.9	34.8	27.9	23.7	26.8	25.2	40.6	43.5
Less than 50 lb	25.0	30.2	31.7	30.0	41.7	43.7	47.2	45.1	44.0	34.3	32.7	33.2
50 to 99 lb	28.0	30.9	32.6	34.8	32.3	31.8	S	45.0	44.3	S	S	S
100 to 499 lb	17.2	25.6	24.7	24.1	27.2	29.2	S	37.2	37.1	S	38.4	37.9
500 to 749 lb	33.4	42.1	41.0	38.6	34.7	37.1	44.4	33.6	33.6	S	42.6	46.0
750 to 999 lb	35.3	S	S	28.0	S	S	32.7	34.0	31.5	S	S	S
1,000 to 9,999 lb	26.0	32.0	29.6	38.1	48.4	49.8	21.3	20.9	20.4	46.7	39.5	39.2
10,000 to 49,999 lb	S	S	S	34.6	39.5	41.2	43.6	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	21.7	22.1	23.2	19.4	19.3	17.6	12.7	21.7	23.8	14.4	23.3	22.9
Less than 50 lb	24.5	24.3	22.8	34.9	23.8	22.7	18.4	14.9	15.1	19.4	14.7	14.1
50 to 99 lb	25.9	26.9	27.0	36.3	26.8	27.6	29.0	35.2	32.3	23.1	22.2	23.0
100 to 499 lb	24.0	31.2	29.4	19.1	21.2	23.4	39.9	34.2	35.3	25.4	28.4	27.9
500 to 749 lb	40.2	43.2	42.9	46.1	29.4	30.5	38.0	33.4	32.1	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	48.9
1,000 to 9,999 lb	31.8	22.6	23.9	28.4	20.8	20.9	27.8	26.3	26.4	29.1	37.3	36.4
10,000 to 49,999 lb	38.4	39.4	37.9	49.7	S	48.7	30.0	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	14.3	14.3	14.5	12.9	20.5	21.0	19.4	24.4	25.8	27.9	23.0	24.2
Less than 50 lb	32.5	49.1	S	S	36.8	32.6	31.2	41.5	42.6	42.7	37.3	39.6
50 to 99 lb	S	S	47.5	S	49.8	45.4	47.0	S	S	S	S	S
100 to 499 lb	S	S	S	32.2	S	S	S	48.2	46.9	S	44.9	43.9
500 to 749 lb	45.6	44.6	S	S	S	S	S	42.6	43.6	S	S	S
750 to 999 lb	46.3	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	35.1	33.0	32.2	38.8	32.3	28.7	26.0	36.0	35.3	48.9	S	S
10,000 to 49,999 lb	20.9	22.7	24.5	18.1	22.9	21.8	21.2	22.9	23.4	25.5	30.3	30.0
50,000 to 99,999 lb	22.5	24.7	25.5	28.4	29.6	27.9	S	S	S	S	S	S
100,000 lb or more	22.7	24.0	23.0	17.6	24.4	25.9	36.3	32.9	34.5	40.1	34.4	35.6
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	16.3	13.4	13.2	24.0	14.8	16.0	24.5	17.1	18.7	19.2	27.1	26.0
Less than 50 lb	42.2	30.8	30.3	S	31.5	35.2	S	46.1	45.3	37.5	S	S
50 to 99 lb	29.0	26.9	26.0	28.9	30.9	29.8	48.0	S	S	S	30.8	31.4
100 to 499 lb	22.2	18.3	18.0	S	21.8	24.3	40.8	49.8	49.2	31.3	34.0	33.1
500 to 749 lb	S	31.7	27.0	38.9	39.0	41.6	S	S	S	S	49.8	49.5
750 to 999 lb	49.2	39.9	38.4	S	S	S	37.3	S	S	47.9	S	S
1,000 to 9,999 lb	15.7	18.2	20.3	25.7	18.5	20.4	28.1	29.6	29.5	42.7	45.8	46.0
10,000 to 49,999 lb	23.7	22.0	19.9	31.3	18.3	19.7	30.3	19.2	19.6	36.7	35.8	34.6
50,000 to 99,999 lb	44.0	46.0	48.1	31.9	37.1	36.6	30.7	30.5	30.9	—	—	—
100,000 lb or more	34.4	30.6	33.0	S	39.3	38.9	29.4	24.7	25.6	33.3	42.9	40.0
SCTG 33, Articles of base metal	11.8	30.0	24.4	12.1	16.7	16.9	23.5	31.1	32.1	15.8	31.9	32.3
Less than 50 lb	19.2	18.5	18.4	41.0	24.5	21.5	21.0	19.5	19.5	36.9	24.9	24.8
50 to 99 lb	22.8	33.0	31.1	22.1	24.4	29.3	36.1	32.4	32.6	S	S	S
100 to 499 lb	15.8	16.2	16.0	37.7	18.7	18.2	24.4	19.4	19.3	27.3	18.6	19.4
500 to 749 lb	20.3	18.8	20.7	28.5	21.1	21.0	37.8	32.5	32.4	42.9	40.5	41.2
750 to 999 lb	43.3	31.3	32.9	33.3	24.7	22.5	31.0	33.5	33.2	47.4	36.4	36.3
1,000 to 9,999 lb	30.0	25.3	29.9	22.7	22.5	23.9	25.8	27.0	26.4	37.7	29.3	30.0
10,000 to 49,999 lb	20.4	26.6	24.6	16.2	21.2	20.8	19.4	23.8	24.0	32.0	34.2	35.4
50,000 to 99,999 lb	S	S	S	S	42.5	42.0	S	46.2	47.2	S	S	S
100,000 lb or more	S	S	S	S	S	S	48.6	S	S	S	S	S
SCTG 34, Machinery	13.6	22.1	21.0	16.6	23.0	22.6	23.7	33.7	33.7	22.5	26.4	26.1
Less than 50 lb	28.4	13.2	12.9	19.7	13.1	13.4	19.7	23.4	22.8	21.9	14.1	14.1
50 to 99 lb	16.7	16.1	18.0	27.1	16.4	19.1	22.4	20.7	23.4	25.2	23.9	24.6
100 to 499 lb	19.7	16.0	16.0	19.6	21.7	19.6	44.8	29.3	30.0	18.2	21.1	20.5
500 to 749 lb	35.3	29.3	32.4	S	37.9	37.7	37.9	43.6	43.0	S	35.5	33.3
750 to 999 lb	31.5	32.4	41.4	S	37.2	39.7	41.7	46.3	42.9	33.7	34.5	35.5
1,000 to 9,999 lb	26.4	34.4	32.1	33.8	27.6	29.2	41.1	33.1	32.2	27.2	31.5	31.7
10,000 to 49,999 lb	34.4	30.4	32.2	38.9	28.6	29.1	42.1	45.5	45.0	38.0	33.6	33.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	14.5	21.7	24.0	18.8	45.8	46.9	21.7	32.7	29.5	16.1	13.3	12.5
Less than 50 lb	21.4	15.3	23.5	19.5	30.3	32.4	15.4	22.7	23.3	31.2	22.3	22.6
50 to 99 lb	26.3	24.7	26.9	31.7	37.8	36.4	29.5	26.1	26.2	30.8	S	S
100 to 499 lb	20.8	21.9	22.6	29.3	30.9	29.2	33.9	36.5	34.9	29.0	34.6	33.8
500 to 749 lb	30.0	44.0	44.8	47.0	37.4	39.0	S	S	S	33.0	24.8	25.5
750 to 999 lb	S	46.4	47.9	S	S	S	S	S	47.3	31.8	38.6	39.5
1,000 to 9,999 lb	33.9	37.4	38.7	45.4	S	S	46.6	S	S	28.9	36.7	34.5
10,000 to 49,999 lb	S	S	S	41.5	S	S	43.9	23.6	24.1	44.1	25.1	24.8
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	11.0	10.5	9.4	18.1	10.2	10.8	33.0	44.0	45.5	S	45.2	44.1
Less than 50 lb	13.9	11.1	11.4	28.0	32.2	32.7	S	43.3	40.5	46.5	48.5	46.7
50 to 99 lb	30.0	20.2	22.5	43.3	49.6	S	49.4	48.2	48.3	47.2	46.3	45.4
100 to 499 lb	29.0	13.8	15.7	28.4	15.3	15.9	41.1	33.7	35.1	S	37.2	39.6
500 to 749 lb	29.9	29.1	29.4	36.4	32.6	32.1	S	S	S	S	S	S
750 to 999 lb	23.4	20.4	20.3	44.9	43.3	42.2	S	S	S	S	S	S
1,000 to 9,999 lb	28.2	24.1	23.0	36.9	21.6	21.3	25.0	30.3	30.4	44.8	34.9	34.8
10,000 to 49,999 lb	29.9	22.9	22.2	25.7	21.1	22.3	48.9	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	46.5	49.9	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	38.8	S	S	45.2	31.5	31.6	19.0	S	S	25.3	39.4	36.9
Less than 50 lb	S	S	S	27.4	S	S	23.2	28.9	28.7	31.0	35.7	34.5
50 to 99 lb	S	S	S	42.3	S	S	44.3	36.0	34.8	38.6	39.8	39.3
100 to 499 lb	S	S	S	34.0	S	S	38.8	48.4	46.4	39.9	45.0	42.5
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	48.8	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 38, Precision instruments and apparatus	29.1	34.2	34.3	15.7	30.2	29.4	16.7	29.7	29.6	22.8	34.9	34.4
Less than 50 lb	36.5	24.5	24.5	22.4	21.3	20.7	15.3	16.6	17.7	26.3	22.9	21.9
50 to 99 lb	43.1	42.0	39.1	47.0	24.7	23.7	33.8	27.1	34.5	S	S	S
100 to 499 lb	42.5	S	S	29.2	34.3	34.5	S	38.8	31.3	S	33.9	31.9
500 to 749 lb	S	S	S	46.4	49.2	45.3	44.6	37.7	37.2	S	S	S
750 to 999 lb	S	S	S	S	S	S	40.7	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	48.4	47.8	47.3	26.6	S	S	47.3	S	S
10,000 to 49,999 lb	—	—	—	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	25.6	22.9	24.6	16.7	13.5	13.0	24.9	20.2	20.6	23.6	20.5	20.9
Less than 50 lb	25.8	23.9	27.0	36.8	42.4	41.6	S	S	S	S	S	S
50 to 99 lb	45.3	42.5	42.2	S	S	S	27.2	33.2	35.8	49.6	35.8	35.6
100 to 499 lb	S	40.2	37.6	47.2	40.2	41.6	S	28.7	30.6	48.8	41.8	43.6
500 to 749 lb	28.8	31.1	29.7	23.4	19.1	19.7	28.0	25.5	24.2	45.4	38.8	38.4
750 to 999 lb	26.5	28.1	27.5	28.7	26.0	26.1	30.0	25.0	25.5	S	S	S
1,000 to 9,999 lb	23.5	20.7	19.3	17.9	11.6	11.9	21.7	20.6	19.9	28.3	24.4	23.5
10,000 to 49,999 lb	43.5	41.8	42.2	33.9	34.8	33.3	29.6	28.2	28.7	32.6	27.7	27.8
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	29.3	S	49.7	25.8	46.2	46.4	16.3	25.3	25.1	19.5	22.0	21.9
Less than 50 lb	46.5	26.6	21.0	14.6	11.8	11.8	19.3	28.2	29.9	20.5	32.6	33.2
50 to 99 lb	27.0	23.7	23.5	20.5	28.0	27.2	46.9	44.7	45.3	49.0	S	S
100 to 499 lb	33.5	26.3	27.5	S	20.1	21.9	29.2	35.1	36.7	28.6	40.4	42.1
500 to 749 lb	S	37.0	41.6	S	28.6	28.1	27.7	35.3	35.0	36.2	25.2	24.9
750 to 999 lb	32.6	34.6	34.2	S	44.8	44.7	41.4	31.3	31.5	S	41.5	40.0
1,000 to 9,999 lb	36.0	26.1	27.6	29.1	22.4	22.5	27.6	19.5	19.9	45.1	24.0	22.5
10,000 to 49,999 lb	28.2	24.3	24.0	40.0	33.3	32.4	21.4	25.2	26.0	46.0	39.4	39.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 41, Waste and scrap .	S	48.3	49.7	35.7	S	S	32.4	39.4	42.4	S	38.1	39.0
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	30.7	40.3	44.5	39.6	34.0	32.9	S	S	S
50,000 to 99,999 lb	S	S	S	36.3	39.0	40.7	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	39.4	S	S	S	S	S
SCTG 43, Mixed freight	16.2	15.9	16.3	17.1	18.1	17.8	44.8	S	S	S	S	S
Less than 50 lb	S	35.5	35.5	S	S	S	S	S	S	S	S	S
50 to 99 lb	44.8	38.9	36.1	S	S	S	—	—	—	S	S	S
100 to 499 lb	31.6	25.0	26.7	S	37.2	36.1	S	S	S	S	S	S
500 to 749 lb	44.4	42.8	39.9	S	39.3	43.7	S	S	S	S	S	S
750 to 999 lb	41.9	44.2	S	31.8	39.5	39.6	S	S	S	S	S	S
1,000 to 9,999 lb	25.1	24.5	24.9	23.4	22.4	23.8	S	S	S	S	S	S
10,000 to 49,999 lb	19.5	19.4	19.1	33.8	32.7	29.4	—	—	—	S	S	S
50,000 to 99,999 lb	41.3	43.5	45.5	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	25.6	S	S	43.7	S	48.3	42.1	49.2	S	37.9	S	S
Less than 50 lb	36.2	35.2	35.9	48.8	31.1	35.0	S	S	S	S	49.1	43.3
50 to 99 lb	S	40.0	43.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	46.1	36.1	41.6	S	S	S	S	S	S	47.9	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	48.7	48.2	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	7.1	16.1	16.4	6.9	20.1	21.7	20.3	14.8	14.9
Less than 50 lb	18.1	9.4	9.2	10.4	8.5	8.4	25.6	25.4	25.2
50 to 99 lb	18.6	30.5	29.7	18.2	17.1	16.6	48.5	43.4	42.6
100 to 499 lb	13.6	18.6	17.6	10.9	13.5	13.4	25.7	25.3	24.8
500 to 749 lb	26.6	18.7	18.9	24.5	28.5	26.7	S	46.0	45.3
750 to 999 lb	25.9	23.2	25.0	24.0	11.9	12.3	S	20.9	21.0
1,000 to 9,999 lb	24.6	11.9	12.6	23.3	15.0	14.9	21.8	18.4	18.4
10,000 to 49,999 lb	20.0	15.1	14.8	11.7	17.6	16.6	20.8	12.8	13.1
50,000 to 99,999 lb	39.6	S	S	17.1	24.6	24.1	39.7	30.7	30.3
100,000 lb or more	9.3	17.4	17.6	13.3	27.9	29.4	S	28.4	28.1
SCTG 01, Live animals and live fish	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	45.3	45.2	41.1	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	48.3	46.9	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	46.7	42.3	S	S	S	—	—	—
SCTG 03, Other agricultural products	36.3	39.2	40.1	47.5	S	S	28.1	49.5	49.7
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	49.5	S	47.7	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	41.0	41.3	S	S	S	S	S	S
10,000 to 49,999 lb	38.5	40.9	41.8	S	S	S	30.6	41.2	41.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	36.3	28.7	28.6	S	S	S	S	43.2	41.9
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	43.5	46.0	46.1	S	S	S	S	49.1	47.6
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	43.2	43.6	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	25.3	24.7	23.9	26.4	27.7	28.9	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	46.3	46.5	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	25.9	27.2	26.8	32.0	33.3	33.8	S	S	S
10,000 to 49,999 lb	25.6	22.6	22.0	30.0	30.1	31.0	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	48.5	43.1	42.7	43.8	40.8	41.6	44.1	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	49.9	49.3	48.3	—	—	—	S	S	S
10,000 to 49,999 lb	49.7	44.4	43.9	44.7	42.2	43.2	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	17.9	15.5	16.6	16.8	15.7	16.1	27.6	28.2	28.5
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	45.4	S	S	S	46.1	46.0	S	49.0	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	44.1	44.5	S	S	S	S	S	S
750 to 999 lb	S	S	S	43.8	43.5	44.4	—	—	—
1,000 to 9,999 lb	S	S	S	35.6	35.2	35.7	S	S	S
10,000 to 49,999 lb	23.2	18.1	18.5	20.5	19.1	19.1	21.8	25.8	25.8
50,000 to 99,999 lb	S	S	S	32.6	39.4	39.5	S	S	S
100,000 lb or more	26.9	27.8	28.7	38.3	28.4	28.3	S	S	S
SCTG 08, Alcoholic beverages	42.9	45.0	45.4	43.5	S	S	—	—	—
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	42.8	49.5	S	34.6	37.5	37.2	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	46.4	46.5	48.2	S	S	—	—	—
SCTG 09, Tobacco products	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	44.9	44.5	44.6	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 11, Natural sands	S	37.9	37.6	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	41.2	41.6	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	32.2	29.9	29.4	32.8	32.2	31.7	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	47.2	45.3	S	47.3	47.3	S	S	S
10,000 to 49,999 lb	S	S	S	24.3	24.9	24.5	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	34.1	28.7	28.8	38.9	36.8	36.4	S	S	S

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	36.9	S	S	38.5	30.6	30.6	42.9	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	40.9	33.3	33.6	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 15, Coal	16.3	19.9	20.0	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	16.3	19.9	20.0	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	S	46.8	43.6	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	44.2	38.1	38.0	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	40.7	36.9	36.9	49.9	48.1	48.8	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 20, Basic chemicals	23.8	32.8	32.2	13.6	25.8	26.6	37.2	S	S
Less than 50 lb	48.4	S	S	44.4	S	S	S	49.6	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	24.5	23.9	22.8	30.9	30.3	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	24.4	34.3	33.7	24.8	27.4	28.1	S	S	S
SCTG 21, Pharmaceutical products	23.8	41.0	42.6	22.6	42.1	43.3	32.8	40.0	39.5
Less than 50 lb	26.7	25.1	25.3	26.3	24.1	23.9	35.6	S	S
50 to 99 lb	S	S	S	S	S	S	35.6	S	S
100 to 499 lb	45.2	48.2	S	44.9	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	45.9	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	33.8	36.5	38.8	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	39.1	42.2	42.0	43.1	38.3	38.1	47.5	S	S
Less than 50 lb	28.1	46.0	45.5	38.5	32.5	32.5	41.5	39.7	39.7
50 to 99 lb	S	S	S	S	S	S	43.7	S	S
100 to 499 lb	40.6	S	S	S	29.6	29.7	S	48.8	49.3
500 to 749 lb	46.8	32.0	31.9	45.1	41.3	39.9	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	44.6	26.8	26.3	S	45.7	45.6	S	47.7	48.3
10,000 to 49,999 lb	45.2	45.1	44.8	S	42.4	42.2	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 24, Plastics and rubber	19.7	15.6	15.4	11.7	14.3	14.0	27.0	22.7	22.4
Less than 50 lb	22.9	30.9	30.9	23.5	23.6	23.2	28.2	26.3	27.6
50 to 99 lb	33.7	26.3	25.7	26.4	41.7	39.5	44.9	S	S
100 to 499 lb	31.6	26.3	25.5	30.4	23.8	23.5	45.4	36.7	36.7
500 to 749 lb	S	26.3	26.9	46.7	S	S	S	32.0	31.8
750 to 999 lb	31.9	25.5	25.0	37.6	38.5	38.9	47.3	41.5	42.0
1,000 to 9,999 lb	21.3	18.2	19.0	20.6	23.7	24.0	34.1	37.3	37.5
10,000 to 49,999 lb	19.2	21.7	21.0	22.0	23.4	22.9	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 25, Logs and other wood in the rough	43.8	42.5	43.0	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 26, Wood products	7.3	13.5	13.2	11.5	10.0	9.5	15.6	13.3	13.2
Less than 50 lb	S	S	S	45.3	S	S	S	48.8	47.3
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	44.9	S	S	S	S	S	44.6	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	41.9	26.4	26.1	S	39.4	38.1	S	S	S
10,000 to 49,999 lb	11.0	31.6	31.9	17.0	13.2	13.0	29.0	22.7	22.8
50,000 to 99,999 lb	28.7	21.4	22.3	24.3	26.3	25.1	S	47.7	46.8
100,000 lb or more	12.8	11.6	11.6	12.8	12.1	11.7	21.5	16.2	16.1
SCTG 27, Pulp, newsprint, paper, and paperboard	24.7	33.1	30.6	38.0	35.8	36.5	S	S	S
Less than 50 lb	44.8	S	S	37.5	47.4	49.5	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	37.9	44.3	41.5	S	46.8	46.0	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	50.0	S	S	—	—	—
SCTG 28, Paper or paperboard articles	22.5	31.4	31.5	33.3	26.9	28.1	S	S	S
Less than 50 lb	S	39.5	39.0	39.2	41.8	41.2	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	45.6	39.5	40.1	S	S	S	S	S	S
500 to 749 lb	S	47.3	47.1	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	45.6	44.3	45.3	S	S	S	S	S	S
10,000 to 49,999 lb	34.1	23.1	23.8	S	37.7	39.1	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	17.7	21.2	19.7	21.3	23.6	21.5	22.4	30.1	31.9
Less than 50 lb	21.7	27.5	27.1	22.3	24.7	24.0	39.7	33.1	33.0
50 to 99 lb	S	S	S	28.6	31.4	31.4	S	S	S
100 to 499 lb	S	S	S	34.4	28.3	28.7	S	48.1	46.1
500 to 749 lb	S	S	S	38.3	S	S	S	S	S
750 to 999 lb	S	S	S	S	43.9	43.5	S	S	S
1,000 to 9,999 lb	31.5	30.2	30.3	S	S	S	33.7	31.7	29.6
10,000 to 49,999 lb	S	S	S	S	47.8	47.7	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	21.7	19.2	18.9	15.9	19.9	20.9	37.2	S	S
Less than 50 lb	31.5	19.2	19.5	24.0	22.5	22.8	S	38.1	38.5
50 to 99 lb	22.1	20.6	21.5	24.0	23.9	22.5	29.9	32.0	34.0
100 to 499 lb	24.5	24.4	24.9	25.3	23.1	23.2	34.4	31.1	31.7
500 to 749 lb	32.1	29.4	29.5	S	S	S	S	S	S
750 to 999 lb	S	S	S	47.5	48.0	48.9	S	S	S
1,000 to 9,999 lb	S	49.6	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	36.6	40.9	43.6	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	20.3	46.9	48.8	22.0	29.4	29.8	35.1	33.8	33.3
Less than 50 lb	41.8	32.4	30.4	33.9	S	S	45.3	S	S
50 to 99 lb	S	S	S	S	S	49.9	S	S	S
100 to 499 lb	38.0	45.3	46.4	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	47.0	46.1	48.0	37.2	S	S	40.4	S	S
10,000 to 49,999 lb	29.2	S	S	28.2	33.7	33.9	S	41.5	40.1
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	16.2	14.4	14.8	17.1	22.5	23.1	S	S	S
Less than 50 lb	S	36.6	36.9	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	46.9	46.8
100 to 499 lb	25.9	27.9	27.7	34.0	35.8	29.2	S	S	S
500 to 749 lb	49.0	S	S	28.0	33.0	35.1	S	S	S
750 to 999 lb	S	S	S	45.6	46.4	45.8	S	S	S
1,000 to 9,999 lb	32.3	44.5	40.2	25.0	30.9	30.2	42.4	S	S
10,000 to 49,999 lb	37.3	37.8	37.8	27.5	30.0	28.7	S	36.3	37.2
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	25.2	21.0	21.1	33.2	32.7	32.6	S	S	S
SCTG 33, Articles of base metal	13.2	16.8	16.0	18.9	22.6	23.1	32.3	S	S
Less than 50 lb	28.1	18.9	18.9	27.6	22.1	21.9	S	23.9	24.0
50 to 99 lb	40.0	37.5	37.2	S	S	S	34.4	43.4	43.4
100 to 499 lb	22.3	19.8	18.3	S	26.8	26.3	37.2	34.8	33.0
500 to 749 lb	35.5	27.9	27.3	29.5	28.0	28.2	S	41.8	43.2
750 to 999 lb	42.1	30.9	34.2	S	S	S	46.5	46.7	46.2
1,000 to 9,999 lb	22.0	18.4	20.0	33.3	47.7	48.8	S	35.5	36.5
10,000 to 49,999 lb	22.3	27.2	26.7	29.3	32.5	32.3	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 34, Machinery	17.2	43.1	39.3	22.0	48.2	47.1	35.4	40.4	43.2
Less than 50 lb	26.1	9.3	9.5	31.4	18.6	18.4	S	22.5	22.5
50 to 99 lb	27.0	22.1	22.0	S	29.3	29.4	34.9	29.9	30.3
100 to 499 lb	32.1	21.4	21.6	15.2	30.2	31.4	32.6	42.4	41.5
500 to 749 lb	34.7	43.4	44.7	42.5	S	S	S	S	S
750 to 999 lb	39.9	45.9	46.9	S	S	S	S	S	S
1,000 to 9,999 lb	28.3	34.5	34.0	18.4	28.8	29.7	38.8	38.7	38.2
10,000 to 49,999 lb	42.4	39.6	40.3	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	22.0	22.0	22.0	15.6	18.5	19.0	31.0	35.2	35.4
Less than 50 lb	31.7	24.4	24.5	16.7	23.9	24.5	33.4	S	S
50 to 99 lb	27.1	33.5	33.6	34.6	40.8	41.6	S	S	S
100 to 499 lb	21.1	38.6	35.6	23.0	21.0	20.9	44.4	45.0	44.8
500 to 749 lb	S	S	S	32.3	26.8	28.7	S	S	S
750 to 999 lb	S	S	S	44.2	42.0	43.7	S	S	S
1,000 to 9,999 lb	S	43.7	44.1	S	43.0	43.4	S	32.5	34.7
10,000 to 49,999 lb	36.2	41.4	41.1	S	38.1	36.9	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	41.0	S	S	30.7	42.5	42.3	S	42.1	41.3
Less than 50 lb	30.0	30.1	30.2	31.5	34.2	34.5	37.9	42.2	41.7
50 to 99 lb	28.7	33.3	33.9	49.2	S	S	S	S	S
100 to 499 lb	30.1	36.7	37.5	46.1	41.2	41.4	S	47.4	47.6
500 to 749 lb	37.1	43.4	43.0	S	S	S	S	S	S
750 to 999 lb	46.9	46.9	45.3	S	S	S	S	S	S
1,000 to 9,999 lb	42.4	S	S	41.4	41.7	42.8	S	S	S
10,000 to 49,999 lb	44.2	S	S	43.8	47.2	47.0	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	42.7	S	S	20.2	38.3	39.1	31.1	35.9	35.8
Less than 50 lb	28.2	32.3	33.3	S	22.4	23.4	26.2	37.1	38.2
50 to 99 lb	34.3	38.4	36.2	40.6	39.7	39.9	S	S	S
100 to 499 lb	S	37.5	36.7	S	40.1	42.0	S	37.2	36.6
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	44.9	43.9	46.2	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	23.8	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	20.4	15.4	15.3	19.1	21.1	21.6	26.7	S	S
Less than 50 lb	25.5	14.2	14.3	21.9	12.3	12.3	30.3	19.4	20.0
50 to 99 lb	46.1	16.5	16.9	45.3	33.0	32.9	S	46.7	45.7
100 to 499 lb	S	26.2	26.2	37.0	27.6	26.9	S	S	S
500 to 749 lb	S	48.1	48.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	46.7	34.9	34.7	37.5	39.0	38.3	S	S	S
10,000 to 49,999 lb	S	S	S	S	45.8	45.6	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	27.1	27.5	28.0	17.2	20.6	21.0	41.2	45.5	46.0
Less than 50 lb	S	S	S	46.8	44.2	43.2	S	45.2	44.2
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	26.8	26.5	26.5	42.6	36.7	36.7	48.7	S	48.9
500 to 749 lb	39.2	33.6	34.2	S	43.1	44.0	S	S	S
750 to 999 lb	S	36.2	36.4	48.6	44.0	43.6	S	S	S
1,000 to 9,999 lb	34.4	28.2	28.5	30.5	26.0	26.0	S	42.1	41.1
10,000 to 49,999 lb	35.1	35.4	33.8	35.4	33.2	33.1	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	17.8	24.0	23.1	18.9	17.8	17.9	29.5	19.8	21.6
Less than 50 lb	19.2	32.4	30.8	16.8	20.9	20.5	27.4	24.8	24.2
50 to 99 lb	43.8	S	S	31.3	48.9	47.4	S	13.1	14.2
100 to 499 lb	34.9	49.2	48.3	33.2	31.3	30.6	38.1	21.5	21.2
500 to 749 lb	22.2	18.8	19.5	S	S	S	S	47.0	48.2
750 to 999 lb	25.4	19.5	19.1	34.4	25.7	24.4	S	44.6	44.2
1,000 to 9,999 lb	22.7	19.7	19.5	24.1	14.1	14.1	29.7	32.2	33.2
10,000 to 49,999 lb	S	45.5	43.7	35.9	42.8	43.9	S	46.6	48.8
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 41, Waste and scrap .	36.0	27.8	29.5	S	S	S	—	—	—
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	33.2	31.1	30.4	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	49.1	49.3	S	S	S	—	—	—
SCTG 43, Mixed freight	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	38.8	S	S	34.5	S	S	49.4	S	S
Less than 50 lb	40.6	45.2	49.5	46.6	44.0	42.8	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	48.6	49.7	48.3	S	42.5	41.8	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

SAMPLE DESIGN

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

First Stage

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidiroglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty make up the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode-NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

Second Stage

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26,

1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

Third Stage

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

DATA COLLECTION

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which

the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed "unusable." (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these "unusable" shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of "usable" shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment's reporting week are both equal to one.

The quarter weight inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of

quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment's value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment's probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

Appendix D.

Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by agencies of the United States and Canadian governments based on the Harmonized System (HS) of product classification which is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In the past, Commodity Flow Survey (CFS) data have been collected and reported using product classifications found in the Standard Transportation Commodity Classification (STCC) system. These classifications were developed in the early 1960s by the American Association of Railroads (AAR) to analyze commodity movements by rail. The original purpose of the STCC was for identification of commodities for purposes of assigning rates for Interstate Commerce Commission (ICC) regulated rail carriers. The STCC continues to be used by the AAR as a tariff mechanism.

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although

it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

In 1997 the CFS provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, we instructed respondents to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment.

Additional information on the SCTG system can be found on the Internet through the BTS web page at <http://www.bts.gov>. Comments or questions on the SCTG should be directed to [http://cfs@bts.gov](mailto:cfs@bts.gov).

Appendix E.

Sample Report Forms and Instructions

The sample report forms and instructions are shown on the following pages.

Note: The CFS-2000 was sent to a subsample of establishments to obtain additional information about the use of transportation equipment and facilities.

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see *Instruction Guide* for a definition of "shipment."**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

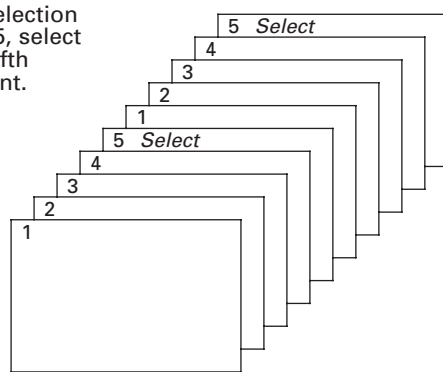
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

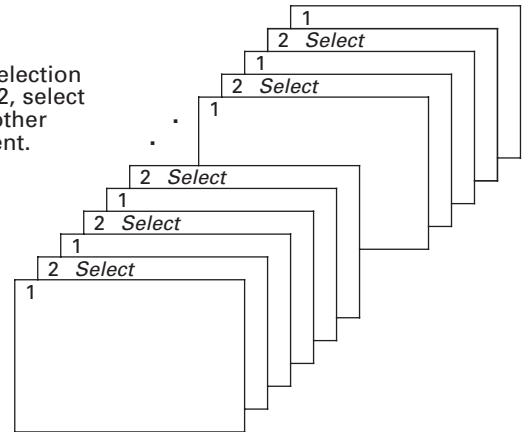
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(l)	(m)		
	City	State	ZIP Code			City	Country		
N	Los Angeles	CA	9 0 0 4 0	2, 4, 3	N				0
N	New York	NY	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel

6 — Deep draft vessel

7 — Pipeline

8 — Air

9 — Other mode

0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G
1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

2. Are the records for outbound shipments from this location maintained in a number of separate files (e.g., separate files for each commodity, or for each shipping site) at this location?

☐ Yes

☐ No

If yes to item G1 or item G2:
3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

Enter the total value of shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item I

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item J
CERTIFICATION

Name of person to contact regarding this report — *Please print*

Telephone number — *Include area code*

Date

Signature

Title

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1
- ☐
- In operation
-
- 2
- ☐
- Temporarily or seasonally inactive
-
- 3
- ☐
- Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see Instruction Guide for a definition of "shipment."

**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

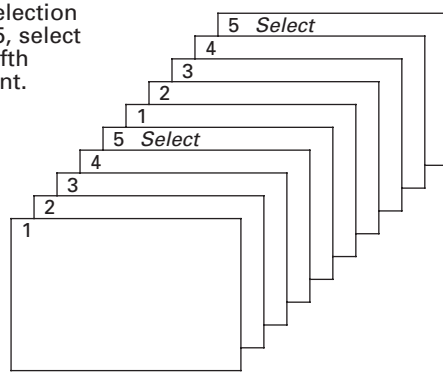
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

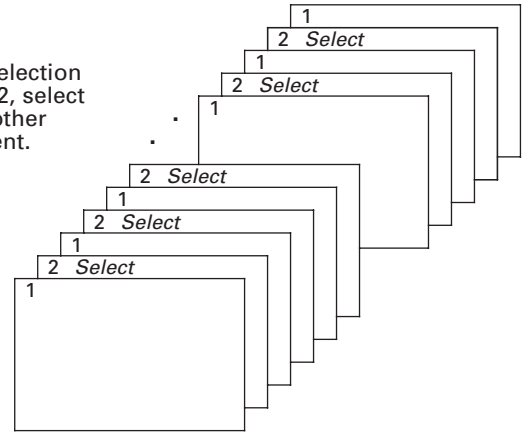
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
N	Los Angeles	CA	9 0 0 4 0	2, 4, 3	N				0
N	New York	NY	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	(j)					(m)			
(i)	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

Item G Enter the total dollar value of **all** shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item H In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item I AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not this type of facility existed **on-site** during 1997. For each "Yes" in column (b), check "Yes" or "No" in column (c) to indicate whether or not you used the facility on your premises for **outbound shipments** during 1997.

Type of shipping facility (a)	Was a shipping facility of this type on your premises during 1997? (b)	Did you use this facility on your premises for outbound shipments during 1997? (c)
1. Rail siding	1 ☐ Yes → 2 ☐ No	1 ☐ Yes 2 ☐ No
2. Dock on the Great Lakes	1 ☐ Yes → 2 ☐ No	1 ☐ Yes 2 ☐ No
3. Dock on inland water	1 ☐ Yes → 2 ☐ No	1 ☐ Yes 2 ☐ No
4. Dock on deep sea water	1 ☐ Yes → 2 ☐ No	1 ☐ Yes 2 ☐ No
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes → 2 ☐ No	1 ☐ Yes 2 ☐ No
6. Pipeline terminal	1 ☐ Yes → 2 ☐ No	1 ☐ Yes 2 ☐ No

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item J **USE OF OFF-SITE SHIPPING FACILITIES**

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not you used an **off-site** facility of that type for **outbound shipments** during 1997. For each "Yes", enter the miles to that off-site facility in column (c), and the mode of transport used to reach that facility in column (d). The modes are listed below.

Type of shipping facility (a)	Did you use this type of off-site facility for outbound shipments during 1997? (b)	Distance to the off-site facility of this type that you used most in 1997 (Report in miles – estimates are acceptable) (c)	Mode of transport used to reach that facility (Enter a code from the list below) (d)
1. Rail siding	1 ☐ Yes —————→ 2 ☐ No		
2. Dock on the Great Lakes	1 ☐ Yes —————→ 2 ☐ No		
3. Dock on inland water	1 ☐ Yes —————→ 2 ☐ No		
4. Dock on deep sea water	1 ☐ Yes —————→ 2 ☐ No		
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —————→ 2 ☐ No		
6. Pipeline terminal	1 ☐ Yes —————→ 2 ☐ No		

1 – Trailer on Flat Car (TOFC)
2 – Private Truck

3 – For-Hire Truck
4 – Rail

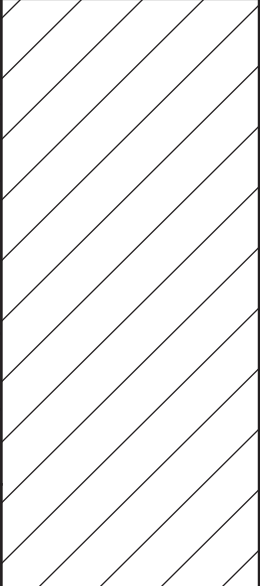
5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

During 1997, did this location use any of the following types of equipment for outbound shipments? Please check "Yes" or "No." For rail cars reported in number 1 below, enter the approximate percentage of your total outbound rail shipments that used that type of rail car. These percentages should add to 100%. If you had no rail shipments, leave the percentages blank.

Equipment (a)	Was this type of equipment used for outbound shipments during 1993? (b)	Percentage of total rail shipments (c)
1. Rail cars that:	1 ☐ Yes → 2 ☐ No	
a. Your company owned/leased		
b. A common carrier owned/leased	1 ☐ Yes → 2 ☐ No	
c. Another party owned/leased (e.g. receiver)	1 ☐ Yes → 2 ☐ No	
2. Trucks with 6 or more tires or truck-tractors that:	1 ☐ Yes 2 ☐ No	
a. Your company owned		
b. Your company leased, with driver	1 ☐ Yes 2 ☐ No	
c. Your company leased, without driver	1 ☐ Yes 2 ☐ No	
3. Truck trailers that your company owned or leased	1 ☐ Yes 2 ☐ No	
4. Aircraft that your company owned or leased	1 ☐ Yes 2 ☐ No	
5. Barges that your company owned or leased	1 ☐ Yes 2 ☐ No	
6. Other equipment that your company owned or leased – Specify ↴	1 ☐ Yes 2 ☐ No	

Item L TRANSPORTATION DECISIONS

During 1997, who generally decided on the mode of transportation for your outbound shipments? *Check the appropriate box.*

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

Item M CERTIFICATIONName of person to contact regarding this report – *Please print*Telephone number – *Include area code*

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

You may use estimates if book figures are not readily available.

If you have questions about completing the survey, a Census Bureau representative will be glad to assist you. You can call us at 1-800-772-7851.

Some instructions are included on the questionnaire itself. However, due to space limitations, most of the instructions and definitions are included in separate reference materials. These include this instruction guide, and a listing of commodity codes to be used for classifying individual shipments in this survey.

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

The CFS produces valuable measures of the demands on the nation's transportation system.

The results of the CFS are used by transportation policy makers to analyze future transportation needs.

Who reports in the CFS?

The CFS covers a sample of establishments in the mining, manufacturing, wholesale, and selected retail industries.

Why is my participation important?

Your establishment was selected as part of a sample designed to represent a wide range of industries and geographic regions.

Your report helps ensure quality results.

Is this survey mandatory?

Yes. The CFS is mandatory under the authority of Title 13, United States Code (USC).

Will my data be kept confidential?

Yes. The same law that requires your participation, Title 13, USC, also guarantees your data will be kept strictly confidential.

The reports you provide the Census Bureau cannot be used for purposes of taxation, regulation, or investigation.

Your report is used only to develop summary data that do not reveal the activities of individual firms or establishments.

How often must I report?

You will be sent four questionnaires in all: one during each quarter of 1997.

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

Please enter the information requested on your establishment's name, operational status, and physical location.

Item D

Enter in the space provided your total number of outbound shipments **for the one week reporting period** on the front of the questionnaire.

Please include in this count any materials picked up by the customer ("customer pick-up").

What we mean by a "shipment":

For the purposes of this survey, a shipment is a single movement of goods, commodities, products, etc. from your location to a customer or to another location of your company.

"Commodities" refer to items that your location produces, sells, or distributes, *not* to items that are considered by-products of your location's operation.

What we don't mean by a "shipment":

Do *not* include as shipments items such as inter-office memos, payroll checks, business correspondence, etc.

Do *not* include as shipments items such as refuse, scrap paper, waste, and recyclable materials **unless** your location is in the business of selling or providing these materials to others.

A special note about "shipments":

A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location.

If a truck makes multiple deliveries on a route, **please count each stop as one shipment.**

Item E: Sampling Instructions

If you reported 40 or fewer shipments in Item D, complete Item F (Shipment Characteristics) for all of your shipments covered by the one-week reporting period.

If you reported more than 40 shipments in Item D, follow the instructions in Item E in order to select a sample of shipments on which to report in Item F.

By asking you to select a sample of your shipments for the one-week reporting period, we avoid asking you for information on all your shipments, while still obtaining statistically accurate information.

Reminder: The files you are sampling from should reflect the full range of your location's shipping activities in terms of modes of transportation used, commodities shipped, and destinations.

We're here to answer your questions! If you have questions about the sampling process (or any part of the questionnaire) please call us at 1-800-772-7851.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

- **Shipment ID Number (column b)** – Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date (column c)** – Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value (column d)** – Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, f.o.b. plant). If the value is not readily available from your records, please estimate.
- **Shipment Weight (column e)** – Enter the weight of the total shipment in whole pounds. If weight is not readily available from your records, please estimate.
- **Commodity Code (column f)** – Please use the list of Standard Classification of Transported Goods (SCTG) Codes in the enclosed SCTG Manual to select the proper code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight.
- **Commodity Description (column g)** – Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.

Item F SHIPMENT CHARACTERISTICS							
Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
		Month	Day				
0	123-5	4	26	4,235	140	3 6 1 2 0	Electrical transformers
00	123-6	4	26	125,300	626,500	1 7 1 0 0	Gasoline
1							
2							
3							
4							

Mode of transport codes for columns (k) and (n) ▶

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **For Hazardous Materials (column h)** – If shipment is a hazardous material, enter the 4-digit United Nations or North American number.
- **Containerized (column i)** – Indicate whether or not the shipment was containerized by entering "Y" or "N" (yes or no). Containerized means that the shipment **left your establishment** in an intermodal container or stackable tank without permanently attached wheels. These containers typically vary from 20 to 53 feet in length, and are carried on truck chassis, trains, and ships.
- **U.S. Destination: City, State, and ZIP Code (column j)** – For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver as it appears on the shipping document. Use the **"ship to"** address. Use the two letter state abbreviation shown in Part IV.

For **export shipments**, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, it is the border crossing.
- **Mode(s) of Transport (column k)** – Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in column j). Codes are located on the bottom of pages 2, 3, 4, and 5 of the questionnaire. Enter in the sequence used, all that apply. See Part III for definitions of each mode.

For Customer Pick-up: Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

If a hazardous material, enter the "UN" or "NA" number (h)	Containerized? (Y/N) (i)	U.S. destination (j)			Mode(s) of transport to U.S. destination Enter all that apply using codes shown below. (k)
		City	State	ZIP Code	
	N	Los Angeles	CA	90040	2, 4, 3
	N	New York	NY	10454	5

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **Export Shipment (column l)** – Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" or "N" (yes or no). For purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions are considered exports.
- **Foreign Destination: City and Country (column m)** – If the shipment is an export, enter the foreign city and country of destination. **For U.S. Destination (column j),** enter the U.S. port, airport, or border crossing of exit. **In column (k),** enter the mode of transport used to the U.S. destination.
- **Export Mode (column n)** – If the shipment is an export, enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 2, 3, 4, and 5 of the questionnaire.

Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	Country		
N				0
Y	London	England	6	00
				1
				2
				3
				4
				5

Items G – I

Please enter the information requested.

Item J: Certification

Please enter the name and telephone number of the person to contact in the event that we have a question about your report.

PART III – MODE DEFINITIONS

Parcel delivery/Courier/U.S. Postal Service – Delivery services that carry letters, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.

Private truck – Trucks operated by a temporary or permanent employee of this establishment or the buyer/receiver of the shipment.

For-hire truck – Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.

Railroad – Any common carrier or private railroad.

Shallow draft vessel – Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.

Deep draft vessel – Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.

Air – Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.

Other mode – Any mode not listed above.

Unknown – The shipment was not carried by a parcel delivery/courier/U.S. Postal service, and you cannot determine what mode of transportation is used.

Note: Commodities that are "shipped" under their own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Commodities shipped under their own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other" mode.**

PART IV -- STATE ABBREVIATION LIST

State	Abbrev.	State	Abbrev.
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

NOTICE - We estimate that it will take an average of 2 hours to complete this form. This includes time to read instructions, assemble and review information, and record answers on the form. If you have any comments regarding this estimate or any other aspect of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0189, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-0001. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

Pacific Division

1997

Issued April 2000

EC97TCF-DIV(9)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

This report was prepared in the Service Sector Statistics Division under the direction of **Thomas E. Zabelsky**, Assistant Chief for Current Service and Transportation Programs. Planning, implementation, and compiling of this report were under the supervision of **John L. Fowler**, Chief, Commodity Flow Survey Branch, assisted by **Wanda Dougherty, Debra Corbett, Bruce Dembroski, Shirley Gray, Michael Jones, Stephanie Kelley, Mabel Ocasio, Bonnie Opalko, Joyce Price, Barbara Selinske, Eli Serrano,** and **Michael Sprung**. Sample design and statistical methodology were developed under the general direction of **Howard Hogan** and **Carl A. Konschnik**, former Assistant Chiefs, and **Ruth E. Detlefsen**, current Assistant Chief, Research and Methodology. Sample design and estimation were under the supervision of **Patrick Cantwell**, former Chief, and **Jock Black**, current Chief, Program Research and Development Branch, assisted by **William C. Davie Jr., David L. Kinyon, Jacklyn R. Jonas,** and **M. Cristina Cruz**. Frame construction, sample control, imputation, and quality control procedures were developed under the supervision of **Carol King**, Chief, Statistical Methods Branch, assisted by **James Hunt**.

The processing system and computer programs were developed and implemented by the OAO programming group, led by **Jacques Wilmore** and assisted by **Harold N. Bobbitt** and **Robert J. Jeffrey**. **Steve G. McCraith**, Chief, Quinquennial Surveys Branch, Economic Statistical Methods and Programming Division and **Joseph F. Keehan** provided general support.

Coordination of data collection efforts was under the direction of **Judith N. Petty**, Chief, National Processing Center, assisted by **Matthew Aulbach, Linda Broadus, Grant Goodwin, Carlene Bottorff, Teresa Branstetter,** and **Jack Miller**.

The staff of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, performed planning, design, composition, editorial review, and printing planning and procurement for the publications, Internet products, and report forms. **Margaret A. Smith** provided publication coordination and editing.

We also acknowledge the contributions of the following Department of Transportation (DOT) representatives in the overall planning and design of the survey: **Rolf Schmitt**, Associate Director for Transportation Studies, Bureau of Transportation Statistics, assisted by **Susan Lapham, Russ Capelle, Ronald J. Duych,** and **Felix Ammah-Tagoe**.

The Oak Ridge National Laboratory's Center for Transportation Analysis, under the former and current direction of **Mike Bronzini** and **David Greene**, respectively, provided all mileage data for this report, using its transportation network modeling system, under the supervision of **Frank Southworth** and assisted by **Shih-Miao Chin, Bruce Peterson, Jane Rollow,** and **Angela Gibson**.

Special acknowledgment is also due to the many businesses whose cooperation was essential to the publication of these data.

1997 Economic Census *Transportation* 1997 Commodity Flow Survey



**U.S. Department of
Transportation**
Rodney E. Slater,
Secretary
Mortimer L. Downey,
Deputy Secretary

**BUREAU OF TRANSPORTATION
STATISTICS**
Dr. Ashish Sen,
Director
Rick Kowalewski,
Deputy Director
Rolf R. Schmitt,
Associate Director for
Transportation Studies



U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

**Economics
and Statistics
Administration**
Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



**BUREAU OF TRANSPORTATION
STATISTICS**

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

CONTENTS

Introduction to the Economic Census	1
1997 Commodity Flow Survey	3

TABLES

1a. Shipment Characteristics by Mode of Transportation for the Division: 1997	9
1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993	9
1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993.....	10
2. Shipment Characteristics by Total Modal Activity for the Division: 1997	10
3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997.....	11
4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997	14
5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997	17
6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997	18
7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997	21
8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997.....	36
9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997	42
10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997 ...	48

APPENDIXES

A. Comparability With the 1993 Commodity Flow Survey	A-1
B. Reliability of the Estimates	B-1
C. Sample Design, Data Collection, and Estimation.....	C-1
D. Standard Classification of Transported Goods Code Information	D-1
E. Sample Report Forms and Instructions	E-1

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are

published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

1997 Commodity Flow Survey

GENERAL

The 1997 Commodity Flow Survey (CFS) is undertaken through a partnership between the Bureau of the Census, U.S. Department of Commerce, and the Bureau of Transportation Statistics, U.S. Department of Transportation. This survey produces data on the movement of goods in the United States. It provides information on commodities shipped, their value, weight, and mode of transportation, as well as the origin and destination of shipments of manufacturing, mining, wholesale, and selected retail establishments. The CFS was last conducted in 1993. See the Comparability With the 1993 Commodity Flow Survey table (Appendix A) for a comparison between the 1997 and 1993 surveys. The data from the CFS are used by public policy analysts and for transportation planning and decision-making to assess the demand for transportation facilities and services, energy use, and safety risk and environmental concerns.

This report presents data for the four Census Regions and nine Census Divisions. Additional reports include data for the United States, states, and selected metropolitan areas, as well as selected data on exports and hazardous material shipments.

INDUSTRY COVERAGE

The 1997 CFS covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey coverage excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail.

The industries covered, as defined in the 1987 Standard Industrial Classification Manual (SIC), are listed in the following table:

SIC code	Title
10, ex. 108	Metal mining (excluding metal mining services)
12, ex. 124	Coal mining (excluding coal mining services)
13	Oil and gas extraction ¹
14, ex. 148	Mining and quarrying of nonmetallic minerals, except fuels (excluding nonmetallic minerals services)
20	Food and kindred products
21	Tobacco products
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27, ex. 279	Printing, publishing, and allied industries (excluding service industries for the printing trade)
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastics products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, except machinery and transportation equipment
35	Industrial and commercial machinery and computer equipment
36	Electronic and other electrical equipment and components, except computer equipment
37	Transportation equipment
38	Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39	Miscellaneous manufacturing industries
50	Wholesale trade—durable goods
51	Wholesale trade—nondurable goods
596	Catalog and mail-order houses

¹We included establishments classified in SIC 13, Oil and Gas Extraction, in the initial coverage of the 1997 CFS. However, because of unresolved industry-wide reporting issues, we have removed shipments from these establishments from our 1997 CFS tabulations. The data collected from these establishments will be used as input to a special report at a later date.

Similarly, because establishments in SIC 13 are responsible for the overwhelming number of shipments classified in SCTG 16, Crude Petroleum, we have removed all shipments with SCTG 16 from the 1997 CFS publication results.

SHIPMENT COVERAGE

The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. The data do not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Shipments traversing the U.S. from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to a U.S. location. Imported products are included in the CFS at the point that they left the importer's domestic location for shipment to another location. Shipments that are shipped through a foreign territory with both the origin and destination in the U.S. are included in the CFS data. The mileages calculated for these shipments exclude the international segments (e.g., shipments from New York to Michigan through Canada do not include any mileages for Canada). Export shipments are included, with the domestic destination defined as the port of exit from the U.S.

The "Industry Coverage" section of the text lists the SIC groups covered by the CFS. Other industry areas that are not covered, but may have significant shipping activity, include agriculture, government, and retail (other than warehouses and SIC 5961, Catalog and Mail-Order Houses). For agriculture specifically, this means that the CFS did not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward.

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported

multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

The ORNL multimodal network database is composed of individual modal-specific networks representing each of the major transportation modes—highway, rail, waterway, air, and pipeline. The links of these specific modal networks are the representation of line-haul transportation facilities. The nodes represent intersections and interchanges, and the access points to the transportation network. To simulate local access, test links are created from each five-digit ZIP Code centroid to nearby nodes on the network. For the truck network, local access is assumed to exist everywhere. For the other modes this is not true. Before any test links are created for these modes, a search procedure is used to determine if and where such networks are most likely to provide access to the ZIP Code. For shipments involving more than one mode, such as truck-rail or rail-water shipments, intermodal transfer links are added to the network database for the purpose of connecting the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at ORNL to identify likely transfer points for different classes of freight. A measure of link impedance was calculated for each access, line-haul, and intermodal transfer link traversed by a shipment. These impedances were mode specific and are based on various link characteristics. For example, the set of link characteristics for the highway network included speed impacting factors, such as the presence of divided or undivided roadway, the degree of access control, rural or urban setting, type of pavement, number of lanes, degree of urban congestion, and length of the link. Link impedance measures are also assigned to the local access links. Intermodal transfer link impedances are estimated in terms of the time it takes to move goods through such a transfer. In the case of rail and air freight, intercarrier transfer penalties are also considered in order to obtain proper route selections. A minimum path algorithm is used to find the minimum impedance path between a shipment's origin ZIP Code centroid and destination ZIP Code centroid. The cumulative length of the local access plus line-haul links on this path provides the estimated shipment distance. When rail was involved these shipment distances may be averaged over more than one path between an origin-destination pair.

Mileage Data for Pipeline Shipments

In the tables, we do not show ton-miles or average miles per shipment for pipeline shipments. For most of these shipments, the respondents reported the shipment

destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network, and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment.

DISCLOSURE RULES

In accordance with Federal law governing Census Bureau reports, no data are published that would disclose the operations of an individual firm or establishment.

EXPLANATION OF TERMS

Average miles per shipment. For the 1993 CFS, we excluded shipments of STCC 27, Printed Matter, from our calculation of average miles per shipment. We made this decision after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term “shipment.”

For the 1997 CFS, we made numerous efforts throughout our data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, we have included printed products in the average miles per shipment calculations for the 1997 CFS.

Commodity. Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment’s operation. Respondents reported the description and the five-digit SCTG code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.

Distance shipped. In some tables, shipment data are presented for various “distance shipped” intervals. Shipments were categorized into these “distance shipped” intervals based on the great circle distance between their origin and destination ZIP Code centroids. All other distance-related data in this and other tables (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories. (See the “Mileage Calculations” section for more details.)

Great circle distance. The shortest distance between two points on the earth’s surface.

Mode of transportation. The type of transportation used for moving the shipment to its domestic destination. For exports, the domestic destination was the port of exit.

Mode Definitions

In the instructions to the respondent, we defined the possible modes as follows:

1. **Parcel delivery/courier/U.S. Postal Service.** Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
2. **Private truck.** Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
3. **For-hire truck.** Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
4. **Railroad.** Any common carrier or private railroad.
5. **Shallow draft vessels.** Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
6. **Deep draft vessel.** Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.
7. **Pipeline.** Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper’s establishment. Aqueducts for the movement of water are not included.
8. **Air.** Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.
9. **Other mode.** Any mode not listed above.
10. **Unknown.** The shipment was not carried by a parcel delivery/courier/U.S. Postal Service, and the respondent could not determine what mode of transportation was used.

In the tables, we have used additional terms for mode, which we define as follows:

1. **Air (includes truck and air).** Shipments that used air or a combination of truck and air.
2. **Single modes.** Shipments using only one of the above-listed modes, except parcel or other and unknown.
3. **Multiple modes.** Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used:
 - Private truck
 - For-hire truck
 - Rail
 - Shallow draft vessel
 - Deep draft vessel
 - Pipeline

We did not allow for multiple modes in combination with “parcel, U.S. Postal Service or courier,” “unknown,” or “other.” By their nature, these shipments may already include various kinds of multiple-mode activity. For example, if the respondent reported a shipment’s mode of transportation as parcel and air, we treated the shipment as parcel only.

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.
5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as “Other” or “Unknown.”
6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.
7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as “Other multiple modes.”
8. **Great Lakes.** In the tables in this publication, “Great Lakes” appears as a single mode. ORNL’s transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the “Mileage Calculations” section for more details).

Other Definitions and Terms

Shipment. A shipment (or delivery) is an individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.

Standard Classification of Transported Goods

(SCTG). The commodities shown in this report are classified using the SCTG coding system. The SCTG coding system was developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States

exclude any mileages through Canada (see the “Mileage Calculations” section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

Tons shipped. The total weight of the entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.

Total modal activity. The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)

Value of shipments. The dollar value of the entire shipment. This was defined as the net selling value, f.o.b. plant, exclusive of freight charges and excise taxes. The value data are displayed in millions of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables for this publication:

D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey.
lb	Pounds.
n.e.c.	Not elsewhere classified.
NA	Not applicable.
n.o.s.	Not otherwise specified.

OTHER TRANSPORTATION DATA

Users of transportation data may be especially interested in the following reports:

Economic Census: Transportation Sector covers establishments that provide passenger and freight transportation to the general public, government, or other businesses.

Published data include kind of business, geographic location, total operating revenue, annual and first quarter payroll, and number of employees for pay period including March 12.

Vehicle Inventory and Use Survey covers state and U.S. level statistics on the physical and operational characteristics of the Nation's truck, van, minivan, and sport utility vehicle population. Some of the types of data collected include number of vehicles, major use, body type, annual miles, model year, vehicle size, fuel type, operator classification, engine size, range of operation, weeks operated, products carried, and hazardous materials carried. This survey shows comparative statistics reflecting percent changes in number of vehicles between 1997 and 1992 for most characteristics.

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected

include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

All results of the 1997 Economic Census are available on the Census Bureau Internet site <http://www.census.gov> and on compact discs (CD-ROM).

For more information on any Census Bureau product, including a description of electronic and printed reports being issued, see the website or call Customer Services at 301-457-4100.

Table 1a. Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	1 076 658	100.0	1 250 570	100.0	234 473	100.0	648
Single modes	836 822	77.7	1 147 328	91.7	193 012	82.3	268
Truck ¹	700 812	65.1	953 645	76.3	123 621	52.7	196
For-hire truck	350 957	32.6	351 544	28.1	87 186	37.2	820
Private truck	342 388	31.8	539 992	43.2	33 029	14.1	60
Rail	16 819	1.6	39 717	3.2	44 498	19.0	1 363
Water	11 178	1.0	65 778	5.3	17 451	7.4	860
Shallow draft	3 853	.4	27 466	2.2	3 806	1.6	231
Great Lakes	—	—	—	—	—	—	—
Deep draft	7 325	.7	38 311	3.1	13 645	5.8	946
Air (includes truck and air)	88 961	8.3	1 405	.1	2 379	1.0	1 942
Pipeline ²	19 053	1.8	86 784	6.9	S	S	S
Multiple modes	177 082	16.4	14 669	1.2	19 126	8.2	1 165
Parcel, U.S. Postal Service or courier	163 432	15.2	3 653	.3	4 238	1.8	1 164
Truck and rail	8 039	.7	5 117	.4	9 064	3.9	2 135
Truck and water	4 898	.5	3 721	.3	5 213	2.2	1 147
Rail and water	S	S	S	S	S	S	1 764
Other multiple modes	S	S	S	S	449	.2	1 473
Other and unknown modes	62 754	5.8	88 573	7.1	22 336	9.5	297

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1b. Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	1 076 658	862 921	24.8	1 250 570	1 218 233	2.7	234 473	251 992	-7.0	648	585	10.8
Single modes	836 822	661 803	26.4	1 147 328	1 104 550	3.9	193 012	206 222	-6.4	268	320	-16.2
Truck ¹	700 812	575 796	21.7	953 645	899 550	6.0	123 621	118 894	4.0	196	188	4.4
For-hire truck	350 957	318 816	10.1	351 544	379 069	-7.3	87 186	89 048	-2.1	820	704	16.6
Private truck	342 388	254 637	34.5	539 992	505 011	6.9	33 029	28 324	16.6	60	54	12.1
Rail	16 819	20 183	-16.7	39 717	42 470	-6.5	44 498	44 835	-.8	1 363	1 181	15.4
Water	11 178	8 216	36.1	65 778	46 843	40.4	17 451	25 934	-32.7	860	1 425	-39.7
Shallow draft	3 853	2 200	75.1	27 466	23 297	17.9	3 806	2 250	69.2	231	132	74.3
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	7 325	6 015	21.8	38 311	23 546	62.7	13 645	23 684	-42.4	946	1 711	-44.7
Air (includes truck and air)	88 961	37 517	137.1	1 405	925	51.9	2 379	1 504	58.2	1 942	1 772	9.6
Pipeline ²	19 053	20 092	-5.2	86 784	114 762	-24.4	S	S	S	S	S	S
Multiple modes	177 082	126 211	40.3	14 669	13 696	7.1	19 126	18 847	1.5	1 165	965	20.7
Parcel, U.S. Postal Service or courier	163 432	107 381	52.2	3 653	3 073	18.9	4 238	3 215	31.8	1 164	960	21.3
Truck and rail	8 039	S	S	5 117	4 155	23.2	9 064	9 546	-5.1	2 135	2 454	-13.0
Truck and water	4 898	2 699	81.4	3 721	S	S	5 213	5 845	-10.8	1 147	1 410	-18.7
Rail and water	S	S	S	S	S	S	S	S	S	1 764	1 744	1.1
Other multiple modes	S	S	S	S	S	S	449	S	S	1 473	S	S
Other and unknown modes	62 754	74 907	-16.2	88 573	99 987	-11.4	22 336	26 923	-17.0	297	333	-11.0

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1c. Shipment Characteristics by Mode of Transportation for the Division: Percent of Total for 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	77.7	76.7	91.7	90.7	82.3	81.8
Truck ¹	65.1	66.7	76.3	73.8	52.7	47.2
For-hire truck	32.6	36.9	28.1	31.1	37.2	35.3
Private truck	31.8	29.5	43.2	41.5	14.1	11.2
Rail	1.6	2.3	3.2	3.5	19.0	17.8
Water	1.0	1.0	5.3	3.8	7.4	10.3
Shallow draft	.4	.3	2.2	1.9	1.6	.9
Great Lakes	—	—	—	—	—	—
Deep draft	.7	.7	3.1	1.9	5.8	9.4
Air (includes truck and air)	8.3	4.3	.1	—	1.0	.6
Pipeline ²	1.8	2.3	6.9	9.4	S	S
Multiple modes	16.4	14.6	1.2	1.1	8.2	7.5
Parcel, U.S. Postal Service or courier	15.2	12.4	.3	.3	1.8	1.3
Truck and rail	.7	S	.4	.3	3.9	3.8
Truck and water	.5	.3	.3	S	2.2	2.3
Rail and water	S	S	S	S	S	S
Other multiple modes	S	S	S	S	.2	S
Other and unknown modes	5.8	8.7	7.1	8.2	9.5	10.7

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 2. Shipment Characteristics by Total Modal Activity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	234 472	100.0	633
Truck	124 477	53.1	191
Rail	53 495	22.8	1 567
Shallow draft	4 071	1.7	199
Great Lakes	S	S	1 092
Deep draft	18 439	7.9	1 122
Air	2 298	1.0	1 863
Parcel, U.S. Postal Service or courier	4 238	1.8	1 164
Pipeline	S	S	S
Other and unknown modes	22 390	9.5	297

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹Data represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving by truck only plus ton-miles for truck segments only of multiple mode shipments.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	1 076 658	100.0	1 250 570	100.0	234 473	100.0
Less than 50 miles	436 276	40.5	905 399	72.4	19 220	8.2
50 to 99 miles	83 843	7.8	97 429	7.8	9 203	3.9
100 to 249 miles	97 354	9.0	97 908	7.8	19 663	8.4
250 to 499 miles	87 884	8.2	57 269	4.6	23 648	10.1
500 to 749 miles	36 120	3.4	19 901	1.6	15 445	6.6
750 to 999 miles	42 015	3.9	16 490	1.3	18 398	7.8
1,000 to 1,499 miles	57 203	5.3	15 020	1.2	23 616	10.1
1,500 to 1,999 miles	99 005	9.2	20 802	1.7	47 066	20.1
2,000 miles or more	136 958	12.7	20 352	1.6	58 214	24.8
Single modes	836 822	100.0	1 147 328	100.0	193 012	100.0
Less than 50 miles	367 119	43.9	834 484	72.7	18 208	9.4
50 to 99 miles	72 367	8.6	92 838	8.1	8 707	4.5
100 to 249 miles	80 677	9.6	91 785	8.0	18 212	9.4
250 to 499 miles	66 939	8.0	53 155	4.6	21 958	11.4
500 to 749 miles	26 616	3.2	18 222	1.6	14 271	7.4
750 to 999 miles	31 193	3.7	14 228	1.2	15 788	8.2
1,000 to 1,499 miles	38 888	4.6	12 394	1.1	19 191	9.9
1,500 to 1,999 miles	64 639	7.7	16 380	1.4	36 926	19.1
2,000 miles or more	88 384	10.6	13 841	1.2	39 751	20.6
Truck¹	700 812	100.0	953 645	100.0	123 621	100.0
Less than 50 miles	329 095	47.0	721 954	75.7	16 709	13.5
50 to 99 miles	69 137	9.9	82 225	8.6	7 837	6.3
100 to 249 miles	74 645	10.7	70 829	7.4	13 613	11.0
250 to 499 miles	58 208	8.3	33 485	3.5	13 750	11.1
500 to 749 miles	21 492	3.1	11 739	1.2	8 788	7.1
750 to 999 miles	20 788	3.0	9 261	1.0	9 924	8.0
1,000 to 1,499 miles	25 974	3.7	6 468	.7	9 815	7.9
1,500 to 1,999 miles	43 870	6.3	8 429	.9	17 796	14.4
2,000 miles or more	57 604	8.2	9 255	1.0	25 390	20.5
For-hire truck	350 957	100.0	351 544	100.0	87 186	100.0
Less than 50 miles	91 139	26.0	211 203	60.1	5 295	6.1
50 to 99 miles	26 827	7.6	38 904	11.1	3 825	4.4
100 to 249 miles	39 520	11.3	40 564	11.5	7 929	9.1
250 to 499 miles	45 544	13.0	23 493	6.7	9 793	11.2
500 to 749 miles	18 207	5.2	9 497	2.7	7 143	8.2
750 to 999 miles	17 608	5.0	7 167	2.0	7 750	8.9
1,000 to 1,499 miles	23 239	6.6	5 649	1.6	8 587	9.8
1,500 to 1,999 miles	38 440	11.0	7 310	2.1	15 512	17.8
2,000 miles or more	50 432	14.4	7 757	2.2	21 352	24.5
Private truck	342 388	100.0	539 992	100.0	33 029	100.0
Less than 50 miles	234 428	68.5	452 736	83.8	9 355	28.3
50 to 99 miles	41 857	12.2	41 490	7.7	3 806	11.5
100 to 249 miles	34 600	10.1	28 875	5.3	5 426	16.4
250 to 499 miles	11 810	3.4	9 550	1.8	3 776	11.4
500 to 749 miles	3 161	.9	2 133	.4	1 566	4.7
750 to 999 miles	2 875	.8	1 987	.4	2 056	6.2
1,000 to 1,499 miles	2 388	.7	2 779	.1	1 168	3.5
1,500 to 1,999 miles	5 144	1.5	1 078	.2	2 200	6.7
2,000 miles or more	6 125	1.8	1 363	.3	3 677	11.1
Rail	16 819	100.0	39 717	100.0	44 498	100.0
Less than 50 miles	1 189	7.1	6 048	15.2	239	.5
50 to 99 miles	181	1.1	S	S	S	S
100 to 249 miles	708	4.2	3 621	9.1	1 068	2.4
250 to 499 miles	1 798	10.7	8 753	22.0	4 455	10.0
500 to 749 miles	1 374	8.2	4 558	11.5	4 174	9.4
750 to 999 miles	1 930	11.5	3 824	9.6	4 808	10.8
1,000 to 1,499 miles	1 429	8.5	2 209	5.6	3 936	8.8
1,500 to 1,999 miles	4 735	28.2	5 651	14.2	13 909	31.3
2,000 miles or more	3 476	20.7	3 764	9.5	11 721	26.3
Water	11 178	100.0	65 778	100.0	17 451	100.0
Less than 50 miles	6 235	55.8	42 378	64.4	713	4.1
50 to 99 miles	233	2.1	S	S	S	S
100 to 249 miles	1 383	12.4	8 991	13.7	2 028	11.6
250 to 499 miles	800	7.2	S	S	2 434	14.0
500 to 749 miles	71	.6	174	.3	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	1 116	10.0	3 565	5.4	5 142	29.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	223	2.0	284	.4	S	S
Shallow draft	3 853	100.0	27 466	100.0	3 806	100.0
Less than 50 miles	1 810	47.0	13 454	49.0	204	5.4
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	1 141	29.6	8 335	30.3	1 868	49.1
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	31	.8	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	7 325	100.0	38 311	100.0	13 645	100.0
Less than 50 miles	4 424	60.4	28 924	75.5	S	S
50 to 99 miles	87	1.2	S	S	S	S
100 to 249 miles	243	3.3	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	39	.5	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	1 116	15.2	3 565	9.3	5 142	37.7
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	223	3.1	284	.7	S	S
Air (includes truck and air)	88 961	100.0	1 405	100.0	2 379	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	960	1.1	66	4.7	10	.4
100 to 249 miles	2 217	2.5	S	S	43	1.8
250 to 499 miles	5 363	6.0	128	9.1	64	2.7
500 to 749 miles	3 337	3.8	35	2.5	35	1.5
750 to 999 miles	8 119	9.1	134	9.6	150	6.3
1,000 to 1,499 miles	10 363	11.6	152	10.8	298	12.5
1,500 to 1,999 miles	15 271	17.2	142	10.1	308	12.9
2,000 miles or more	27 081	30.4	538	38.3	1 472	61.9
Pipeline²	19 053	100.0	86 784	100.0	S	S
Less than 50 miles	14 352	75.3	64 088	73.8	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	1 724	9.0	8 150	9.4	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	177 082	100.0	14 669	100.0	19 126	100.0
Less than 50 miles	35 345	20.0	3 224	22.0	102	.5
50 to 99 miles	9 306	5.3	691	4.7	91	.5
100 to 249 miles	11 666	6.6	2 507	17.1	658	3.4
250 to 499 miles	17 164	9.7	542	3.7	246	1.3
500 to 749 miles	7 760	4.4	415	2.8	344	1.8
750 to 999 miles	8 887	5.0	819	5.6	941	4.9
1,000 to 1,499 miles	14 026	7.9	947	6.5	1 649	8.6
1,500 to 1,999 miles	29 234	16.5	2 265	15.4	5 610	29.3
2,000 miles or more	43 693	24.7	3 260	22.2	9 484	49.6
Parcel, U.S. Postal Service or courier	163 432	100.0	3 653	100.0	4 238	100.0
Less than 50 miles	33 848	20.7	770	21.1	21	.5
50 to 99 miles	8 887	5.4	253	6.9	24	.6
100 to 249 miles	10 618	6.5	339	9.3	68	1.6
250 to 499 miles	16 842	10.3	341	9.3	147	3.5
500 to 749 miles	7 510	4.6	148	4.1	115	2.7
750 to 999 miles	8 222	5.0	207	5.7	224	5.3
1,000 to 1,499 miles	13 352	8.2	272	7.4	420	9.9
1,500 to 1,999 miles	24 083	14.7	595	16.3	1 235	29.1
2,000 miles or more	40 070	24.5	726	19.9	1 985	46.8
Truck and rail	8 039	100.0	5 117	100.0	9 064	100.0
Less than 50 miles	197	2.4	834	16.3	42	.5
50 to 99 miles	47	.6	115	2.3	19	.2
100 to 249 miles	181	2.2	S	S	87	1.0
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	95	1.2	181	3.5	166	1.8
750 to 999 miles	494	6.2	453	8.9	555	6.1
1,000 to 1,499 miles	434	5.4	399	7.8	707	7.8
1,500 to 1,999 miles	4 494	55.9	1 401	27.4	3 438	37.9
2,000 miles or more	1 943	24.2	1 269	24.8	3 992	44.0
Truck and water	4 898	100.0	3 721	100.0	5 213	100.0
Less than 50 miles	S	S	144	3.9	5	—
50 to 99 miles	372	7.6	320	8.6	49	.9
100 to 249 miles	778	15.9	1 305	35.1	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	154	3.1	85	2.3	S	S
750 to 999 miles	141	2.9	109	2.9	106	2.0
1,000 to 1,499 miles	214	4.4	232	6.2	432	8.3
1,500 to 1,999 miles	654	13.4	258	6.9	912	17.5
2,000 miles or more	1 627	33.2	1 170	31.4	3 165	60.7

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	S	S	S	S	S	S
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	S	S	S	S	449	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	42	6.3	75	3.6	279	62.1
Other and unknown modes	62 754	100.0	88 573	100.0	22 336	100.0
Less than 50 miles	33 812	53.9	67 690	76.4	910	4.1
50 to 99 miles	2 169	3.5	S	S	S	S
100 to 249 miles	5 011	8.0	3 616	4.1	793	3.6
250 to 499 miles	3 781	6.0	S	S	S	S
500 to 749 miles	1 743	2.8	1 265	1.4	830	3.7
750 to 999 miles	1 934	3.1	S	S	S	S
1,000 to 1,499 miles	4 289	6.8	1 679	1.9	2 775	12.4
1,500 to 1,999 miles	5 133	8.2	2 157	2.4	4 531	20.3
2,000 miles or more	4 881	7.8	3 251	3.7	8 979	40.2

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	1 076 658	100.0	1 250 570	100.0	234 473	100.0	648
Less than 50 lb	168 222	15.6	2 961	.2	2 002	.9	806
50 to 99 lb	54 091	5.0	2 158	.2	984	.4	456
100 to 499 lb	137 076	12.7	12 291	1.0	4 054	1.7	334
500 to 749 lb	42 589	4.0	5 817	.5	1 768	.8	299
750 to 999 lb	27 162	2.5	4 637	.4	1 368	.6	295
1,000 to 9,999 lb	231 990	21.5	78 900	6.3	25 575	10.9	329
10,000 to 49,999 lb	254 923	23.7	423 524	33.9	91 732	39.1	218
50,000 to 99,999 lb	62 820	5.8	348 260	27.8	25 966	11.1	73
100,000 lb or more	97 785	9.1	372 022	29.7	81 025	34.6	548
Single modes	836 822	100.0	1 147 328	100.0	193 012	100.0	268
Less than 50 lb	55 868	6.7	1 422	.1	410	.2	312
50 to 99 lb	29 263	3.5	1 459	.1	351	.2	239
100 to 499 lb	101 038	12.1	10 556	.9	2 625	1.4	240
500 to 749 lb	36 353	4.3	5 277	.5	1 282	.7	241
750 to 999 lb	24 040	2.9	4 308	.4	1 049	.5	244
1,000 to 9,999 lb	208 744	24.9	71 845	6.3	18 259	9.5	254
10,000 to 49,999 lb	234 479	28.0	404 897	35.3	74 740	38.7	187
50,000 to 99,999 lb	60 718	7.3	342 194	29.8	23 450	12.1	67
100,000 lb or more	86 319	10.3	305 371	26.6	70 846	36.7	523
Truck¹	700 812	100.0	953 645	100.0	123 621	100.0	196
Less than 50 lb	37 653	5.4	1 347	.1	264	.2	193
50 to 99 lb	20 666	2.9	1 409	.1	255	.2	177
100 to 499 lb	88 335	12.6	10 340	1.1	2 213	1.8	201
500 to 749 lb	32 533	4.6	5 191	.5	1 156	.9	220
750 to 999 lb	22 573	3.2	4 264	.4	987	.8	231
1,000 to 9,999 lb	202 590	28.9	71 219	7.5	17 511	14.2	245
10,000 to 49,999 lb	226 311	32.3	401 225	42.1	68 766	55.6	175
50,000 to 99,999 lb	53 851	7.7	339 594	35.6	21 820	17.7	64
100,000 lb or more	16 299	2.3	119 056	12.5	10 650	8.6	114
For-hire truck	350 957	100.0	351 544	100.0	87 186	100.0	820
Less than 50 lb	12 118	3.5	177	—	191	.2	1 082
50 to 99 lb	9 206	2.6	194	—	181	.2	936
100 to 499 lb	43 094	12.3	1 926	.5	1 632	1.9	852
500 to 749 lb	17 663	5.0	1 083	.3	885	1.0	815
750 to 999 lb	12 545	3.6	1 001	.3	774	.9	769
1,000 to 9,999 lb	105 302	30.0	17 218	4.9	13 185	15.1	809
10,000 to 49,999 lb	117 496	33.5	144 029	41.0	50 539	58.0	388
50,000 to 99,999 lb	23 164	6.6	148 853	42.3	13 247	15.2	86
100,000 lb or more	10 370	3.0	37 063	10.5	6 552	7.5	253
Private truck	342 388	100.0	539 992	100.0	33 029	100.0	60
Less than 50 lb	25 438	7.4	1 166	.2	70	.2	56
50 to 99 lb	11 390	3.3	1 209	.2	71	.2	58
100 to 499 lb	44 626	13.0	8 344	1.5	557	1.7	64
500 to 749 lb	14 606	4.3	4 065	.8	261	.8	64
750 to 999 lb	9 767	2.9	3 226	.6	207	.6	64
1,000 to 9,999 lb	95 103	27.8	53 017	9.8	4 104	12.4	72
10,000 to 49,999 lb	105 907	30.9	238 323	44.1	16 903	51.2	71
50,000 to 99,999 lb	29 896	8.7	181 057	33.5	7 973	24.1	44
100,000 lb or more	5 655	1.7	49 585	9.2	2 883	8.7	68
Rail	16 819	100.0	39 717	100.0	44 498	100.0	1 363
Less than 50 lb	S	S	S	S	—	—	689
50 to 99 lb	S	S	S	S	S	S	575
100 to 499 lb	S	S	—	—	1	—	1 620
500 to 749 lb	S	S	S	S	S	S	2 352
750 to 999 lb	S	S	—	—	—	—	1 541
1,000 to 9,999 lb	294	1.7	48	.1	113	.3	2 248
10,000 to 49,999 lb	3 525	21.0	1 890	4.8	3 859	8.7	2 082
50,000 to 99,999 lb	724	4.3	2 191	5.5	1 409	3.2	560
100,000 lb or more	12 156	72.3	35 586	89.6	39 115	87.9	1 258
Water	11 178	100.0	65 778	100.0	17 451	100.0	860
Less than 50 lb	S	S	1	—	S	S	1 111
50 to 99 lb	10	—	1	—	—	—	376
100 to 499 lb	S	S	11	—	13	—	1 372
500 to 749 lb	S	S	6	—	4	—	702
750 to 999 lb	21	.2	8	—	12	—	1 529
1,000 to 9,999 lb	253	2.3	S	S	45	.3	S
10,000 to 49,999 lb	1 093	9.8	1 334	2.0	S	S	825
50,000 to 99,999 lb	76	.7	179	.3	160	.9	867
100,000 lb or more	9 566	85.6	64 056	97.4	15 565	89.2	339
Shallow draft	3 853	100.0	27 466	100.0	3 806	100.0	231
Less than 50 lb	S	S	—	—	S	S	98
50 to 99 lb	S	S	S	S	S	S	344
100 to 499 lb	S	S	S	S	S	S	361
500 to 749 lb	S	S	S	S	S	S	321
750 to 999 lb	S	S	S	S	S	S	82
1,000 to 9,999 lb	S	S	S	S	S	S	143
10,000 to 49,999 lb	S	S	46	.2	S	S	178
50,000 to 99,999 lb	S	S	15	—	1	—	72
100,000 lb or more	3 545	92.0	27 392	99.7	3 792	99.7	154

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	7 325	100.0	38 311	100.0	13 645	100.0	946
Less than 50 lb	S	S	1	—	S	S	1 229
50 to 99 lb	7	.1	1	—	—	—	393
100 to 499 lb	S	S	10	—	13	.1	1 453
500 to 749 lb	S	S	3	—	S	S	1 094
750 to 999 lb	18	.2	7	—	12	—	1 684
1,000 to 9,999 lb	214	2.9	S	S	43	.3	S
10,000 to 49,999 lb	899	12.3	1 288	3.4	S	S	850
50,000 to 99,999 lb	51	.7	164	.4	159	1.2	925
100,000 lb or more	6 022	82.2	36 664	95.7	11 772	86.3	631
Air (includes truck and air)	88 961	100.0	1 405	100.0	2 379	100.0	1 942
Less than 50 lb	18 121	20.4	74	5.3	146	6.1	1 952
50 to 99 lb	8 587	9.7	49	3.5	96	4.0	1 974
100 to 499 lb	12 580	14.1	204	14.5	397	16.7	1 950
500 to 749 lb	3 760	4.2	79	5.6	121	5.1	1 558
750 to 999 lb	1 441	1.6	36	2.5	49	2.1	1 378
1,000 to 9,999 lb	5 568	6.3	358	25.5	586	24.6	1 721
10,000 to 49,999 lb	S	S	249	17.7	461	19.4	1 850
50,000 to 99,999 lb	6 041	6.8	S	S	59	2.5	S
100,000 lb or more	29 364	33.0	225	16.0	S	S	2 045
Pipeline²	19 053	100.0	86 784	100.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	38	—	S	S	S
10,000 to 49,999 lb	S	S	S	—	S	S	S
50,000 to 99,999 lb	S	S	S	—	S	S	S
100,000 lb or more	18 934	99.4	86 448	99.6	S	S	S
Multiple modes	177 082	100.0	14 669	100.0	19 126	100.0	1 165
Less than 50 lb	105 243	59.4	1 384	9.4	1 569	8.2	1 171
50 to 99 lb	21 927	12.4	585	4.0	619	3.2	1 053
100 to 499 lb	29 652	16.7	1 198	8.2	1 356	7.1	1 104
500 to 749 lb	4 732	2.7	314	2.1	384	2.0	1 208
750 to 999 lb	2 644	1.5	189	1.3	297	1.6	1 576
1,000 to 9,999 lb	4 241	2.4	453	3.1	661	3.5	1 441
10,000 to 49,999 lb	6 856	3.9	5 154	35.1	10 444	54.6	1 907
50,000 to 99,999 lb	322	.2	1 055	7.2	749	3.9	705
100,000 lb or more	1 465	.8	4 336	29.6	3 046	15.9	1 445
Parcel, U.S. Postal Service or courier	163 432	100.0	3 653	100.0	4 238	100.0	1 164
Less than 50 lb	105 133	64.3	1 381	37.8	1 566	37.0	1 171
50 to 99 lb	21 816	13.3	580	15.9	612	14.4	1 048
100 to 499 lb	29 337	18.0	1 151	31.5	1 325	31.3	1 117
500 to 749 lb	4 490	2.7	292	8.0	354	8.3	1 199
750 to 999 lb	2 501	1.5	165	4.5	257	6.1	1 565
1,000 to 9,999 lb	S	S	S	S	S	S	1 494
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	8 039	100.0	5 117	100.0	9 064	100.0	2 135
Less than 50 lb	S	S	S	S	S	S	2 136
50 to 99 lb	S	S	S	S	S	S	2 399
100 to 499 lb	14	.2	2	—	4	—	2 578
500 to 749 lb	10	.1	2	—	4	—	1 915
750 to 999 lb	12	.1	3	—	6	—	2 491
1,000 to 9,999 lb	S	S	38	.7	85	.9	2 265
10,000 to 49,999 lb	5 007	62.3	3 131	61.2	6 889	76.0	2 155
50,000 to 99,999 lb	164	2.0	254	5.0	249	2.7	1 061
100,000 lb or more	692	8.6	1 688	33.0	1 825	20.1	1 531
Truck and water	4 898	100.0	3 721	100.0	5 213	100.0	1 147
Less than 50 lb	107	2.2	2	—	S	S	1 309
50 to 99 lb	109	2.2	4	.1	S	S	1 568
100 to 499 lb	301	6.1	45	1.2	28	.5	598
500 to 749 lb	231	4.7	21	.6	26	.5	1 263
750 to 999 lb	131	2.7	22	.6	34	.6	1 553
1,000 to 9,999 lb	1 950	39.8	329	8.8	451	8.7	1 328
10,000 to 49,999 lb	1 784	36.4	1 893	50.9	3 220	61.8	1 569
50,000 to 99,999 lb	141	2.9	S	S	466	8.9	583
100,000 lb or more	144	2.9	633	17.0	979	18.8	2 085

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	S	S	S	S	S	S	1 764
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	2 196
50,000 to 99,999 lb	S	S	S	S	S	S	1 158
100,000 lb or more	S	S	51	56.1	S	S	2 072
Other multiple modes	S	S	S	S	449	100.0	1 473
Less than 50 lb	S	S	S	S	S	S	62
50 to 99 lb	S	S	S	S	S	S	19
100 to 499 lb	S	S	S	S	S	S	1 638
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	57	8.6	120	5.8	312	69.4	2 401
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	137	30.5	272
Other and unknown modes	62 754	100.0	88 573	100.0	22 336	100.0	297
Less than 50 lb	7 112	11.3	155	.2	22	.1	226
50 to 99 lb	2 900	4.6	114	.1	14	—	113
100 to 499 lb	6 385	10.2	538	.6	73	.3	139
500 to 749 lb	1 504	2.4	226	.3	S	S	423
750 to 999 lb	478	.8	140	.2	22	.1	154
1,000 to 9,999 lb	19 005	30.3	6 603	7.5	6 655	29.8	1 026
10,000 to 49,999 lb	13 587	21.7	13 473	15.2	6 548	29.3	549
50,000 to 99,999 lb	1 781	2.8	5 010	5.7	1 767	7.9	377
100,000 lb or more	10 001	15.9	62 315	70.4	7 134	31.9	736

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 5. Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	1 076 658	100.0	1 250 570	100.0	234 473	100.0	648
01	Live animals and live fish	S	S	S	S	S	S	1 146
02	Cereal grains	8 017	.7	58 812	4.7	5 017	2.1	152
03	Other agricultural products	23 382	2.2	25 184	2.0	17 613	7.5	300
04	Animal feed and products of animal origin, n.e.c.	5 548	.5	21 604	1.7	3 281	1.4	355
05	Meat, fish, seafood, and their preparations	29 109	2.7	10 753	.9	3 425	1.5	108
06	Milled grain products and preparations, and bakery products	15 653	1.5	13 921	1.1	5 499	2.3	S
07	Other prepared foodstuffs and fats and oils	45 877	4.3	53 894	4.3	22 183	9.5	166
08	Alcoholic beverages	20 498	1.9	15 192	1.2	7 229	3.1	166
09	Tobacco products	1 891	.2	163	—	19	—	132
10	Monumental or building stone	S	S	1 686	.1	S	S	S
11	Natural sands	511	—	46 971	3.8	1 897	.8	52
12	Gravel and crushed stone	1 593	.1	218 645	17.5	6 987	3.0	29
13	Nonmetallic minerals n.e.c.	S	S	5 948	.5	1 721	.7	209
14	Metallic ores and concentrates	1 507	.1	S	S	459	.2	282
15	Coal	S	S	S	S	S	S	25
17	Gasoline and aviation turbine fuel	45 906	4.3	162 197	13.0	13 169	5.6	41
18	Fuel oils	15 016	1.4	63 251	5.1	7 783	3.3	28
19	Coal and petroleum products, n.e.c.	7 440	.7	54 191	4.3	4 393	1.9	39
20	Basic chemicals	8 716	.8	12 737	1.0	4 343	1.9	465
21	Pharmaceutical products	21 531	2.0	828	—	466	.2	547
22	Fertilizers	2 455	.2	18 146	1.5	3 675	1.6	58
23	Chemical products and preparations, n.e.c.	25 176	2.3	9 264	.7	4 174	1.8	288
24	Plastics and rubber	25 237	2.3	7 649	.6	3 787	1.6	604
25	Logs and other wood in the rough	6 625	.6	91 982	7.4	6 653	2.8	64
26	Wood products	27 947	2.6	69 223	5.5	30 158	12.9	266
27	Pulp, newsprint, paper, and paperboard	12 175	1.1	16 729	1.3	9 494	4.0	215
28	Paper or paperboard articles	14 404	1.3	16 280	1.3	4 011	1.7	289
29	Printed products	24 618	2.3	10 334	.8	3 263	1.4	492
30	Textiles, leather, and articles of textiles or leather	61 264	5.7	4 275	.3	3 349	1.4	1 399
31	Nonmetallic mineral products	15 222	1.4	114 167	9.1	12 000	5.1	340
32	Base metal in primary or semifinished forms and in finished basic shapes	26 917	2.5	21 264	1.7	9 648	4.1	427
33	Articles of base metal	28 179	2.6	10 398	.8	6 312	2.7	490
34	Machinery	40 942	3.8	3 387	.3	3 226	1.4	514
35	Electronic and other electrical equipment and components and office equipment	226 446	21.0	5 774	.5	6 076	2.6	821
36	Motorized and other vehicles (including parts)	37 148	3.5	4 879	.4	2 621	1.1	458
37	Transportation equipment, n.e.c.	60 942	5.7	496	—	306	.1	999
38	Precision instruments and apparatus	36 049	3.3	501	—	457	.2	1 387
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	11 731	1.1	2 227	.2	1 965	.8	773
40	Miscellaneous manufactured products	80 561	7.5	11 625	.9	7 363	3.1	1 411
41	Waste and scrap	4 834	.4	29 055	2.3	6 315	2.7	139
43	Mixed freight	47 074	4.4	23 679	1.9	2 732	1.2	424
--	Commodity unknown	6 641	.6	6 877	.5	1 215	.5	506

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	1 076 658	100.0	1 250 570	100.0	234 473	100.0	648
010	Live animals and live fish	S	S	S	S	S	S	1 146
021	Wheat	3 992	.4	28 215	2.3	2 789	1.2	133
022	Corn, except sweet	3 212	.3	25 647	2.1	S	S	150
029	Other cereal grains	813	—	S	S	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	1 231	.1	2 661	.2	423	.2	40
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	6 237	.6	6 432	.5	3 917	1.7	111
033	Fresh, chilled, or dried edible fruit and nuts	8 996	.8	8 810	.7	8 085	3.4	323
034	Soya beans	S	S	S	S	S	S	S
035	Oil seeds and nuts, except olives and soya beans	417	—	—	—	67	—	198
036	Bulbs, live plants, and seeds for sowing, n.e.c.	1 897	.2	1 139	—	1 385	.6	669
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	4 351	.4	3 761	.3	3 724	1.6	452
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	1 682	.2	8 076	.6	1 483	.6	117
042	Animal feed preparations	3 866	.4	13 528	1.1	1 798	.8	445
051	Meat including poultry, except preparations	16 001	1.5	7 835	.6	1 614	.7	103
052	Fish, except live, and seafood, except preparations	11 761	1.1	2 415	.2	1 534	.7	111
053	Preparations, extracts, and juices of meat, fish, or seafood	1 347	.1	502	—	277	.1	S
061	Wheat flour, groats, and meal	991	—	S	S	S	S	102
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	1 343	.1	2 380	.2	2 214	.9	301
063	Food preparations of cereals, flour, starch, or milk	3 613	.3	2 315	.2	1 353	.6	210
064	Bakery products	9 705	.9	5 816	.5	1 456	.6	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	11 417	1.1	13 435	1.1	3 995	1.7	84
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	13 184	1.2	11 107	.9	11 288	4.8	254
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	2 278	.2	460	—	278	.1	387
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	1 290	.1	1 539	.1	480	.2	172
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	1 100	.1	2 088	.2	1 271	.5	295
076	Confectionery, cocoa, and cocoa preparations	2 262	.2	614	—	209	—	144
077	Edible preparations, n.e.c. and vinegar	6 738	.6	3 786	.3	3 186	1.4	342
078	Nonalcoholic beverages, n.e.c. and ice	7 607	.7	20 864	1.7	1 476	.6	44
081	Malt Beer	8 022	.7	9 559	.8	1 986	.8	33
082	Wine and other fermented beverages	9 043	.8	4 671	.4	4 939	2.1	535
083	Spirituos beverages and ethyl alcohol	3 433	.3	962	—	S	S	84
090	Tobacco products	1 891	.2	163	—	19	—	132
100	Monumental or building stone, except dolomite	S	S	1 686	.1	S	S	S
110	Natural sands, except metal-bearing	511	—	46 971	3.8	1 897	.8	52
120	Gravel and crushed stone, except dolomite and slate	1 593	.1	218 645	17.5	6 987	3.0	29
131	Salt	S	S	S	S	S	S	113
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	45
133	Dolomite	36	—	975	—	S	S	71
139	Other nonmetallic minerals	276	—	3 412	.3	S	S	281
141	Iron ores and concentrates	S	S	S	S	S	S	57
149	Other metallic ores and concentrates	1 506	.1	S	S	452	.2	319
151	Nonagglomerated bituminous coal	S	S	S	S	S	S	4
159	Other coal	S	S	S	S	S	S	66
171	Gasoline	41 973	3.9	143 532	11.5	12 234	5.2	40
172	Aviation turbine fuel (types A and B)	3 934	.4	18 665	1.5	935	.4	71
180	Fuel oils	15 016	1.4	63 251	5.1	7 783	3.3	28
191	Lubricating oils and greases	2 569	.2	S	S	S	S	S
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	898	—	5 553	.4	701	.3	25
193	Gaseous hydrocarbons	1 200	.1	3 857	.3	829	.4	S
199	Other products of petroleum refining, and coal products	2 772	.3	40 818	3.3	1 713	.7	39
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	336	—	1 005	—	371	.2	154
202	Inorganic chemicals, n.e.c.	3 578	.3	9 733	.8	2 655	1.1	176
203	Cyclic hydrocarbons	22	—	20	—	S	S	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	547	—	624	—	304	.1	583
205	Organic chemicals, n.e.c.	4 233	.4	1 355	.1	1 010	.4	759
210	Pharmaceutical products	21 531	2.0	828	—	466	.2	547
220	Fertilizers and fertilizer materials	2 455	.2	18 146	1.5	3 675	1.6	58
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	5 982	.6	2 506	.2	1 038	.4	263
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	5 765	.5	619	—	431	.2	366
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	2 414	.2	2 537	.2	696	.3	184
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	3 827	.4	175	—	70	—	362
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	2 858	.3	753	—	288	.1	66
239	Other chemical products and preparations	4 331	.4	2 673	.2	1 650	.7	233
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	1 589	.1	972	—	358	.2	245
242	Manmade fibers and plastics basic shapes and articles	18 330	1.7	5 052	.4	2 817	1.2	618

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	5 319	.5	1 625	.1	612	.3	603
250	Logs and other wood in the rough	6 625	.6	91 982	7.4	6 653	2.8	64
261	Wood chips or particles	782	—	18 835	1.5	1 876	.8	91
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	15 362	1.4	30 847	2.5	15 746	6.7	241
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	6 794	.6	13 717	1.1	10 202	4.4	245
264	Builders' joinery and carpentry of wood, except shingles and shakes	2 815	.3	1 136	—	910	.4	294
269	Other wood products	2 194	.2	4 689	.4	1 424	.6	415
271	Pulp of fibrous cellulosic materials	528	—	1 131	—	543	.2	434
272	Newsprint in large rolls or sheets	1 844	.2	2 792	.2	1 984	.8	298
273	Uncoated paper and paperboard in large rolls or sheets	6 802	.6	10 395	.8	6 046	2.6	113
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	3 001	.3	2 412	.2	921	.4	363
280	Paper or paperboard articles	14 404	1.3	16 280	1.3	4 011	1.7	289
291	Printed books, brochures, leaflets, and similar printed products	7 080	.7	715	—	509	.2	1 114
292	Newspapers, journals, and periodicals	8 165	.8	7 043	.6	620	.3	189
293	Advertising material, commercial or trade catalogues, and similar printed products	4 177	.4	1 773	.1	1 676	.7	1 260
299	Other printed products	5 196	.5	803	—	457	.2	611
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	3 781	.4	502	—	209	—	699
302	Textile clothing and accessories, and headgear, except safety	39 982	3.7	1 434	.1	1 669	.7	1 612
303	Textiles and textile articles, n.e.c.	11 511	1.1	2 022	.2	967	.4	1 064
304	Footwear	4 172	.4	192	—	S	S	1 617
305	Leather and articles, luggage of related materials, and dressed furskins and articles	1 818	.2	125	—	158	—	1 304
311	Hydraulic cements	1 065	.1	17 109	1.4	2 779	1.2	117
312	Ceramic products	1 637	.2	1 331	.1	917	.4	824
313	Glass and glass products	4 968	.5	6 156	.5	1 340	.6	459
319	Other nonmetallic mineral products	7 552	.7	89 570	7.2	6 964	3.0	81
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	1 577	.1	1 223	.1	451	.2	199
322	Flat-rolled products of iron or steel	6 331	.6	7 969	.6	1 778	.8	193
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	6 568	.6	6 751	.5	3 741	1.6	299
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	12 441	1.2	5 321	.4	3 679	1.6	662
331	Pipes, tubes, and fittings	6 043	.6	3 585	.3	1 856	.8	195
332	Structures and parts, except prefabricated buildings	5 075	.5	1 929	.2	1 493	.6	543
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	10 358	1.0	1 893	.2	1 604	.7	580
339	Other articles of metal	6 703	.6	2 991	.2	1 359	.6	432
341	Internal-combustion piston engines	3 960	.4	386	—	274	.1	391
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	S	S	46	—	32	—	527
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	4 817	.4	270	—	241	.1	553
344	Air-conditioning, refrigerating, or freezing equipment	3 059	.3	384	—	335	.1	S
345	Materials-handling, excavating, boring, and related machinery and equipment	3 071	.3	462	—	263	.1	537
349	Other machinery	23 253	2.2	1 839	.1	2 079	.9	587
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	4 302	.4	267	—	206	—	444
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	1 647	.2	127	—	91	—	424
353	Line telephone or telegraph apparatus	28 866	2.7	432	—	688	.3	1 236
354	Electronic entertainment products, except parts	16 440	1.5	1 362	.1	S	S	1 492
355	Computer and office equipment	70 027	6.5	967	—	1 036	.4	1 031
356	Prepared unrecorded or prerecorded media	9 499	.9	225	—	237	.1	1 151
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	2 884	.3	27	—	27	—	1 323
358	Electronic components and parts	55 053	5.1	318	—	257	.1	1 167
359	Other electronic and electrical equipment	37 729	3.5	2 048	.2	1 033	.4	404
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	4 682	.4	549	—	62	—	365
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	4 095	.4	536	—	584	.2	578
363	Other vehicles	6 090	.6	865	—	540	.2	1 270
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	22 281	2.1	2 929	.2	1 434	.6	364
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	565	—	232	—	S	S	2 117
372	Aircraft and spacecraft	58 685	5.5	136	—	121	—	969
373	Ships, boats, and floating structures	1 692	.2	128	—	145	—	696
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	3 471	.3	25	—	28	—	1 346
382	Photographic and photocopying machines	6 169	.6	203	—	145	—	1 053
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	1 076	.1	7	—	8	—	1 172
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	12 110	1.1	180	—	172	—	1 544
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	13 223	1.2	87	—	105	—	1 172

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	11 731	1.1	2 227	.2	1 965	.8	773
401	Arms and ammunition	389	—	15	—	S	S	1 327
402	Toys, games, and sporting equipment	S	S	S	S	1 320	.6	1 892
409	Miscellaneous manufactured products	43 811	4.1	8 676	.7	S	S	1 291
411	Metallic waste and scrap	3 114	.3	11 402	.9	1 992	.8	140
412	Nonmetallic waste and scrap, except from food processing	1 720	.2	17 653	1.4	4 323	1.8	S
439	Mixed freight	47 074	4.4	23 679	1.9	2 732	1.2	424
—	Commodity unknown	6 641	.6	6 877	.5	1 215	.5	506

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 160, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	1 076 658	100.0	1 250 570	100.0	234 473	100.0	648
Single modes	836 822	77.7	1 147 328	91.7	193 012	82.3	268
Truck ¹	700 812	65.1	953 645	76.3	123 621	52.7	196
For-hire truck	350 957	32.6	351 544	28.1	87 186	37.2	820
Private truck	342 388	31.8	539 992	43.2	33 029	14.1	60
Rail	16 819	1.6	39 717	3.2	44 498	19.0	1 363
Water	11 178	1.0	65 778	5.3	17 451	7.4	860
Shallow draft	3 853	.4	27 466	2.2	3 806	1.6	231
Great Lakes	—	—	—	—	—	—	—
Deep draft	7 325	.7	38 311	3.1	13 645	5.8	946
Air (includes truck and air)	88 961	8.3	1 405	.1	2 379	1.0	1 942
Pipeline ²	19 053	1.8	86 784	6.9	S	S	S
Multiple modes	177 082	16.4	14 669	1.2	19 126	8.2	1 165
Parcel, U.S. Postal Service or courier	163 432	15.2	3 653	.3	4 238	1.8	1 164
Truck and rail	8 039	.7	5 117	.4	9 064	3.9	2 135
Truck and water	4 898	.5	3 721	.3	5 213	2.2	1 147
Rail and water	S	S	S	S	S	S	1 764
Other multiple modes	S	S	S	S	449	.2	1 473
Other and unknown modes	62 754	5.8	88 573	7.1	22 336	9.5	297
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	S	S	S	S	S	S	1 146
Single modes	S	S	S	S	S	S	1 232
Truck ¹	S	S	S	S	S	S	29
For-hire truck	—	—	—	—	—	—	—
Private truck	S	S	S	S	S	S	29
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 795
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	261
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	261
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	32
SCTG 02, CEREAL GRAINS							
Total	8 017	100.0	58 812	100.0	5 017	100.0	152
Single modes	4 158	51.9	29 497	50.2	4 158	82.9	130
Truck ¹	825	10.3	4 422	7.5	696	13.9	115
For-hire truck	463	5.8	2 827	4.8	568	11.3	300
Private truck	273	3.4	921	1.6	42	.8	34
Rail	169	2.1	1 155	2.0	719	14.3	821
Water	3 163	39.5	23 920	40.7	2 743	54.7	258
Shallow draft	2 101	26.2	15 972	27.2	2 731	54.4	272
Great Lakes	—	—	—	—	—	—	—
Deep draft	1 063	13.3	7 948	13.5	13	.2	115
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	578
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	728
Truck and rail	20	.2	S	S	S	S	2 550
Truck and water	S	S	S	S	S	S	448
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	3 742	46.7	28 537	48.5	482	9.6	154

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	23 382	100.0	25 184	100.0	17 613	100.0	300
Single modes	20 762	88.8	21 374	84.9	13 722	77.9	171
Truck ¹	19 595	83.8	19 794	78.6	11 907	67.6	114
For-hire truck	10 803	46.2	9 695	38.5	9 135	51.9	1 101
Private truck	8 651	37.0	9 807	38.9	2 737	15.5	S
Rail	554	2.4	579	2.3	1 445	8.2	2 565
Water	S	S	S	S	S	S	385
Shallow draft	S	S	S	S	S	S	118
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	390
Air (includes truck and air)	353	1.5	153	.6	S	S	2 680
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	914	3.9	492	2.0	1 258	7.1	1 776
Parcel, U.S. Postal Service or courier	238	1.0	14	—	S	S	1 763
Truck and rail	540	2.3	390	1.5	1 008	5.7	2 581
Truck and water	135	.6	88	.4	223	1.3	1 906
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 706	7.3	3 318	13.2	2 633	15.0	1 384
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	5 548	100.0	21 604	100.0	3 281	100.0	355
Single modes	5 138	92.6	20 683	95.7	2 873	87.6	209
Truck ¹	5 063	91.3	20 331	94.1	2 728	83.2	208
For-hire truck	1 816	32.7	7 337	34.0	1 685	51.4	704
Private truck	2 780	50.1	10 094	46.7	746	22.7	56
Rail	S	S	S	S	87	2.6	301
Water	S	S	S	S	S	S	369
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	369
Air (includes truck and air)	S	S	—	—	S	S	574
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	128	.6	272	8.3	1 288
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 279
Truck and rail	S	S	S	S	S	S	1 312
Truck and water	S	S	S	S	S	S	1 832
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	2 956
Other and unknown modes	235	4.2	793	3.7	S	S	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	29 109	100.0	10 753	100.0	3 425	100.0	108
Single modes	27 331	93.9	10 278	95.6	2 950	86.1	90
Truck ¹	26 175	89.9	9 767	90.8	2 247	65.6	65
For-hire truck	7 928	27.2	2 460	22.9	1 571	45.9	638
Private truck	17 635	60.6	7 140	66.4	666	19.5	40
Rail	S	S	S	S	S	S	1 046
Water	806	2.8	462	4.3	S	S	1 356
Shallow draft	S	S	78	.7	S	S	149
Great Lakes	—	—	—	—	—	—	—
Deep draft	623	2.1	S	S	S	S	1 630
Air (includes truck and air)	339	1.2	45	.4	61	1.8	1 814
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	657	2.3	168	1.6	251	7.3	1 130
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 149
Truck and rail	S	S	S	S	S	S	522
Truck and water	453	1.6	135	1.3	S	S	1 082
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	30
Other and unknown modes	1 121	3.9	307	2.9	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	15 653	100.0	13 921	100.0	5 499	100.0	S
Single modes	15 164	96.9	13 472	96.8	4 955	90.1	S
Truck ¹	14 703	93.9	12 724	91.4	3 550	64.6	S
For-hire truck	4 943	31.6	6 128	44.0	2 515	45.7	348
Private truck	9 678	61.8	6 452	46.3	979	17.8	35
Rail	418	2.7	693	5.0	1 356	24.7	2 154
Water	29	.2	S	S	33	.6	2 123
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	29	.2	S	S	33	.6	2 123
Air (includes truck and air)	13	—	10	—	S	S	878
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	228	1.5	250	1.8	479	8.7	1 415
Parcel, U.S. Postal Service or courier	S	S	3	—	S	S	1 452
Truck and rail	149	1.0	165	1.2	289	5.2	1 813
Truck and water	59	.4	81	.6	185	3.4	1 028
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	2 722
Other and unknown modes	261	1.7	199	1.4	65	1.2	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	45 877	100.0	53 894	100.0	22 183	100.0	166
Single modes	42 856	93.4	51 856	96.2	19 208	86.6	124
Truck ¹	40 628	88.6	48 443	89.9	13 097	59.0	113
For-hire truck	16 779	36.6	17 258	32.0	9 749	43.9	667
Private truck	23 752	51.8	30 996	57.5	3 328	15.0	50
Rail	1 995	4.3	2 525	4.7	6 011	27.1	2 363
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	21
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	59	.1	15	—	35	.2	1 907
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 178	4.7	1 318	2.4	2 624	11.8	1 009
Parcel, U.S. Postal Service or courier	259	.6	28	—	26	.1	989
Truck and rail	S	S	619	1.1	1 574	7.1	2 547
Truck and water	532	1.2	645	1.2	903	4.1	800
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	2 979
Other and unknown modes	843	1.8	721	1.3	351	1.6	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	20 498	100.0	15 192	100.0	7 229	100.0	166
Single modes	18 931	92.4	14 103	92.8	5 218	72.2	107
Truck ¹	17 751	86.6	13 004	85.6	3 363	46.5	55
For-hire truck	6 710	32.7	4 517	29.7	2 818	39.0	383
Private truck	11 042	53.9	8 487	55.9	544	7.5	39
Rail	1 139	5.6	1 086	7.1	S	S	1 932
Water	S	S	S	S	S	S	2 764
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	2 764
Air (includes truck and air)	S	S	S	S	S	S	3 022
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 313	6.4	800	5.3	1 816	25.1	806
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	754
Truck and rail	967	4.7	607	4.0	1 588	22.0	2 549
Truck and water	187	.9	150	1.0	S	S	908
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	62
Other and unknown modes	254	1.2	289	1.9	S	S	600

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	1 891	100.0	163	100.0	19	100.0	132
Single modes	1 803	95.3	158	97.3	17	90.2	88
Truck ¹	1 783	94.3	158	97.0	17	89.6	80
For-hire truck	S	S	S	S	S	S	S
Private truck	1 744	92.2	156	95.8	15	79.0	80
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	50
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	50
Air (includes truck and air)	S	S	S	S	S	S	440
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	1	4.0	946
Parcel, U.S. Postal Service or courier	S	S	S	S	1	4.0	946
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	50	2.7	S	S	S	S	59
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	S	S	1 686	100.0	S	S	S
Single modes	S	S	1 653	98.0	S	S	57
Truck ¹	S	S	1 649	97.8	S	S	57
For-hire truck	37	9.0	373	22.1	22	18.2	59
Private truck	S	S	S	S	S	S	59
Rail	S	S	S	S	S	S	9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	257
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	303
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	580
SCTG 11, NATURAL SANDS							
Total	511	100.0	46 971	100.0	1 897	100.0	52
Single modes	504	98.8	46 593	99.2	1 836	96.8	50
Truck ¹	488	95.5	43 531	92.7	1 633	86.1	50
For-hire truck	209	41.0	11 104	23.6	420	22.2	S
Private truck	214	41.8	19 296	41.1	877	46.3	51
Rail	7	1.4	237	.5	118	6.2	652
Water	S	S	S	S	S	S	30
Shallow draft	S	S	S	S	S	S	30
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	861
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 573
Truck and rail	S	S	S	S	S	S	2 244
Truck and water	S	S	S	S	S	S	318
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	6	1.1	S	S	S	S	219

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	1 593	100.0	218 645	100.0	6 987	100.0	29
Single modes	1 547	97.1	212 046	97.0	6 862	98.2	29
Truck ¹	1 504	94.4	205 727	94.1	6 043	86.5	29
For-hire truck	556	34.9	84 016	38.4	2 454	35.1	29
Private truck	792	49.7	95 238	43.6	2 604	37.3	S
Rail	S	S	S	S	S	S	277
Water	S	S	S	S	S	S	97
Shallow draft	S	S	S	S	S	S	103
Great Lakes	S	S	S	S	S	S	—
Deep draft	S	S	S	S	S	S	16
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	46	2.9	S	S	S	S	16
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	S	S	5 948	100.0	1 721	100.0	209
Single modes	S	S	5 231	88.0	749	43.5	89
Truck ¹	S	S	5 178	87.1	629	36.6	82
For-hire truck	145	15.5	1 390	23.4	382	22.2	247
Private truck	S	S	3 494	58.8	202	11.7	42
Rail	12	1.3	53	.9	120	6.9	2 333
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	2 627
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	31	3.3	57	1.0	137	8.0	907
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	780
Truck and rail	18	1.9	45	.8	122	7.1	2 692
Truck and water	S	S	S	S	S	S	1 831
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	23	2.4	S	S	S	S	600
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	1 507	100.0	S	S	459	100.0	282
Single modes	1 350	89.6	S	S	S	S	S
Truck ¹	1 138	75.5	183	20.5	S	S	S
For-hire truck	487	32.3	66	7.4	S	S	1 110
Private truck	S	S	S	S	S	S	S
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	37
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	37
Air (includes truck and air)	S	S	S	S	S	S	1 614
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	518
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	508
Truck and rail	S	S	S	S	S	S	2 770
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	248

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	\$	\$	\$	\$	\$	\$	25
Single modes	—	—	—	—	—	—	—
Truck ¹	—	—	—	—	—	—	—
For-hire truck	—	—	—	—	—	—	—
Private truck	—	—	—	—	—	—	—
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	\$	\$	\$
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	\$	\$	\$	\$	\$	\$	25
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	45 906	100.0	162 197	100.0	13 169	100.0	41
Single modes	45 685	99.5	161 384	99.5	13 122	99.6	43
Truck ¹	28 572	62.2	86 385	53.3	4 015	30.5	41
For-hire truck	6 821	14.9	19 836	12.2	1 871	14.2	103
Private truck	21 425	46.7	65 502	40.4	2 102	16.0	26
Rail	222	.5	1 264	.8	538	4.1	426
Water	\$	\$	\$	\$	6 436	48.9	485
Shallow draft	\$	\$	\$	\$	\$	\$	250
Great Lakes	—	—	—	—	—	—	—
Deep draft	\$	\$	\$	\$	6 110	46.4	659
Air (includes truck and air)	\$	\$	\$	\$	\$	\$	1 006
Pipeline ²	13 812	30.1	59 496	36.7	\$	\$	\$
Multiple modes	\$	\$	\$	\$	\$	\$	\$
Parcel, U.S. Postal Service or courier	\$	\$	\$	\$	\$	\$	2 157
Truck and rail	\$	\$	\$	\$	\$	\$	49
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	\$	\$	\$	\$	\$	\$	101
Other and unknown modes	151	.3	459	.3	\$	\$	10
SCTG 18, FUEL OILS							
Total	15 016	100.0	63 251	100.0	7 783	100.0	28
Single modes	14 320	95.4	61 335	97.0	7 648	98.3	30
Truck ¹	8 783	58.5	30 694	48.5	1 593	20.5	28
For-hire truck	2 886	19.2	11 382	18.0	930	12.0	\$
Private truck	5 843	38.9	19 034	30.1	638	8.2	20
Rail	216	1.4	1 206	1.9	\$	\$	725
Water	1 014	6.8	6 946	11.0	2 454	31.5	340
Shallow draft	407	2.7	3 000	4.7	137	1.8	65
Great Lakes	—	—	—	—	—	—	—
Deep draft	608	4.0	3 946	6.2	\$	\$	429
Air (includes truck and air)	\$	\$	\$	\$	\$	\$	248
Pipeline ²	4 306	28.7	22 488	35.6	\$	\$	\$
Multiple modes	\$	\$	\$	\$	\$	\$	\$
Parcel, U.S. Postal Service or courier	\$	\$	\$	\$	\$	\$	1 706
Truck and rail	\$	\$	\$	\$	\$	\$	151
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	\$	\$	\$	\$	\$	\$	28
Other and unknown modes	640	4.3	1 478	2.3	\$	\$	\$

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	7 440	100.0	54 191	100.0	4 393	100.0	39
Single modes	6 274	84.3	50 198	92.6	3 394	77.3	31
Truck ¹	4 768	64.1	37 505	69.2	1 708	38.9	27
For-hire truck	1 865	25.1	17 302	31.9	1 037	23.6	111
Private truck	2 583	34.7	12 051	22.2	438	10.0	22
Rail	303	4.1	1 459	2.7	790	18.0	629
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	40
Great Lakes	S	S	S	S	S	S	S
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	S	S	S	S	S	S	2 365
Pipeline ²	409	5.5	2 553	4.7	S	S	S
Multiple modes	231	3.1	464	.9	156	3.6	S
Parcel, U.S. Postal Service or courier	22	.3	4	—	1	—	S
Truck and rail	S	S	S	S	S	S	S
Truck and water	156	2.1	222	.4	106	2.4	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	217
Other and unknown modes	S	S	S	S	S	S	S
SCTG 20, BASIC CHEMICALS							
Total	8 716	100.0	12 737	100.0	4 343	100.0	465
Single modes	7 126	81.8	12 141	95.3	4 170	96.0	218
Truck ¹	6 283	72.1	10 113	79.4	1 471	33.9	203
For-hire truck	3 636	41.7	2 903	22.8	1 053	24.2	994
Private truck	2 618	30.0	7 179	56.4	416	9.6	52
Rail	718	8.2	1 726	13.5	2 607	60.0	1 559
Water	S	S	S	S	S	S	1 271
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 271
Air (includes truck and air)	S	S	1	—	1	—	1 490
Pipeline ²	18	.2	240	1.9	S	S	S
Multiple modes	1 272	14.6	95	.7	142	3.3	987
Parcel, U.S. Postal Service or courier	1 192	13.7	48	.4	46	1.1	988
Truck and rail	64	.7	33	.3	88	2.0	2 698
Truck and water	S	S	S	S	8	.2	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	657
Other and unknown modes	318	3.6	S	S	S	S	148
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	21 531	100.0	828	100.0	466	100.0	547
Single modes	12 830	59.6	699	84.4	392	84.1	341
Truck ¹	11 006	51.1	651	78.6	282	60.7	112
For-hire truck	2 708	12.6	213	25.8	240	51.5	518
Private truck	8 297	38.5	438	52.9	S	S	72
Rail	S	S	S	S	S	S	2 522
Water	S	S	S	S	S	S	1 338
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 338
Air (includes truck and air)	1 701	7.9	14	1.7	27	5.9	1 966
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	8 131	37.8	104	12.6	49	10.5	625
Parcel, U.S. Postal Service or courier	7 837	36.4	97	11.7	43	9.1	626
Truck and rail	S	S	S	S	S	S	2 129
Truck and water	291	1.4	7	.8	S	S	317
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	1 523

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	2 455	100.0	18 146	100.0	3 675	100.0	58
Single modes	2 189	89.2	15 634	86.2	3 503	95.3	53
Truck ¹	2 022	82.4	13 886	76.5	881	24.0	47
For-hire truck	502	20.4	2 631	14.5	341	9.3	151
Private truck	1 518	61.8	11 247	62.0	S	S	35
Rail	113	4.6	S	S	S	S	812
Water	S	S	S	S	S	S	S
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	73	.4	98	2.7	355
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	S
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	73	.4	98	2.7	1 273
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	245	10.0	S	S	S	S	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	25 176	100.0	9 264	100.0	4 174	100.0	288
Single modes	19 435	77.2	8 717	94.1	3 888	93.1	178
Truck ¹	18 673	74.2	8 013	86.5	2 634	63.1	153
For-hire truck	10 592	42.1	4 762	51.4	2 326	55.7	534
Private truck	8 019	31.9	3 240	35.0	305	7.3	46
Rail	202	.8	287	3.1	657	15.7	2 341
Water	S	S	S	S	S	S	856
Shallow draft	S	S	S	S	S	S	2
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	860
Air (includes truck and air)	S	S	22	.2	45	1.1	1 644
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3 590	14.3	252	2.7	225	5.4	434
Parcel, U.S. Postal Service or courier	3 433	13.6	199	2.1	92	2.2	431
Truck and rail	S	S	S	S	S	S	2 736
Truck and water	105	.4	24	.3	59	1.4	1 111
Rail and water	S	S	S	S	S	S	1 946
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	296	3.2	61	1.5	281
SCTG 24, PLASTICS AND RUBBER							
Total	25 237	100.0	7 649	100.0	3 787	100.0	604
Single modes	19 630	77.8	6 901	90.2	3 249	85.8	222
Truck ¹	18 998	75.3	6 621	86.6	2 995	79.1	190
For-hire truck	10 334	40.9	3 316	43.3	2 592	68.4	770
Private truck	8 526	33.8	3 192	41.7	363	9.6	56
Rail	348	1.4	260	3.4	216	5.7	1 800
Water	21	—	4	—	S	S	1 560
Shallow draft	S	S	S	S	S	S	69
Great Lakes	—	—	—	—	—	—	—
Deep draft	20	—	4	—	S	S	1 655
Air (includes truck and air)	263	1.0	17	.2	29	.8	1 860
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	4 337	17.2	278	3.6	427	11.3	1 206
Parcel, U.S. Postal Service or courier	4 140	16.4	199	2.6	231	6.1	1 206
Truck and rail	161	.6	64	.8	164	4.3	2 464
Truck and water	37	.1	15	.2	31	.8	1 096
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 270	5.0	470	6.1	111	2.9	62

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	6 625	100.0	91 982	100.0	6 653	100.0	64
Single modes	5 857	88.4	86 188	93.7	4 941	74.3	55
Truck ¹	5 591	84.4	84 385	91.7	4 364	65.6	53
For-hire truck	3 090	46.6	33 399	36.3	2 300	34.6	70
Private truck	2 461	37.1	49 716	54.0	1 934	29.1	39
Rail	236	3.6	1 422	1.5	559	8.4	S
Water	S	S	S	S	S	S	35
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	35
Air (includes truck and air)	S	S	S	S	S	S	348
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	199	3.0	716
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	716
Truck and rail	S	S	S	S	S	S	2 453
Truck and water	20	.3	S	S	S	S	438
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	5 156	5.6	S	S	S
SCTG 26, WOOD PRODUCTS							
Total	27 947	100.0	69 223	100.0	30 158	100.0	266
Single modes	25 635	91.7	57 519	83.1	27 063	89.7	205
Truck ¹	22 032	78.8	48 399	69.9	12 783	42.4	170
For-hire truck	13 427	48.0	28 184	40.7	9 908	32.9	403
Private truck	8 424	30.1	19 599	28.3	2 777	9.2	87
Rail	3 437	12.3	8 828	12.8	13 344	44.2	1 527
Water	S	S	S	S	S	S	3 187
Shallow draft	S	S	S	S	S	S	191
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	3 292
Air (includes truck and air)	20	—	10	—	S	S	1 826
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	913	3.3	1 381	2.0	2 161	7.2	1 276
Parcel, U.S. Postal Service or courier	85	.3	9	—	11	—	1 183
Truck and rail	754	2.7	1 240	1.8	1 892	6.3	2 023
Truck and water	74	.3	132	.2	258	.9	2 123
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 910
Other and unknown modes	1 399	5.0	S	S	933	3.1	S
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	12 175	100.0	16 729	100.0	9 494	100.0	215
Single modes	10 585	86.9	15 329	91.6	8 029	84.6	135
Truck ¹	8 474	69.6	10 531	62.9	3 485	36.7	114
For-hire truck	4 354	35.8	6 961	41.6	3 141	33.1	362
Private truck	3 939	32.4	3 463	20.7	340	3.6	52
Rail	1 982	16.3	4 579	27.4	4 470	47.1	1 006
Water	115	.9	210	1.3	S	S	1 243
Shallow draft	S	S	S	S	4	—	29
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 528
Air (includes truck and air)	S	S	S	S	S	S	1 811
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	776	6.4	749	4.5	1 192	12.6	719
Parcel, U.S. Postal Service or courier	S	S	17	.1	9	.1	679
Truck and rail	250	2.1	374	2.2	695	7.3	1 680
Truck and water	199	1.6	267	1.6	315	3.3	1 581
Rail and water	S	S	S	S	S	S	1 731
Other multiple modes	S	S	S	S	S	S	2 200
Other and unknown modes	S	S	651	3.9	274	2.9	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	14 404	100.0	16 280	100.0	4 011	100.0	289
Single modes	13 374	92.8	15 781	96.9	3 678	91.7	119
Truck ¹	12 899	89.5	15 351	94.3	2 797	69.7	102
For-hire truck	6 705	46.6	7 827	48.1	2 397	59.8	426
Private truck	5 948	41.3	7 363	45.2	376	9.4	37
Rail	131	.9	192	1.2	347	8.6	2 506
Water	327	2.3	231	1.4	S	S	4 027
Shallow draft	S	S	S	S	S	S	54
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	4 719
Air (includes truck and air)	S	S	S	S	S	S	1 540
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	607	4.2	154	.9	236	5.9	1 100
Parcel, U.S. Postal Service or courier	469	3.3	55	.3	48	1.2	1 100
Truck and rail	S	S	S	S	S	S	1 637
Truck and water	70	.5	51	.3	88	2.2	999
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	2 853
Other and unknown modes	424	2.9	345	2.1	S	S	68
SCTG 29, PRINTED PRODUCTS							
Total	24 618	100.0	10 334	100.0	3 263	100.0	492
Single modes	16 557	67.3	8 856	85.7	1 499	45.9	100
Truck ¹	16 073	65.3	8 681	84.0	1 295	39.7	77
For-hire truck	5 423	22.0	1 714	16.6	1 088	33.3	731
Private truck	10 377	42.2	6 838	66.2	206	6.3	23
Rail	S	S	S	S	S	S	1 119
Water	S	S	S	S	S	S	2 507
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	2 507
Air (includes truck and air)	441	1.8	85	.8	113	3.4	1 623
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	6 600	26.8	596	5.8	734	22.5	768
Parcel, U.S. Postal Service or courier	6 530	26.5	581	5.6	703	21.5	768
Truck and rail	S	S	S	S	S	S	2 767
Truck and water	66	.3	14	.1	S	S	1 425
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 461	5.9	882	8.5	S	S	409
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	61 264	100.0	4 275	100.0	3 349	100.0	1 399
Single modes	45 364	74.0	3 711	86.8	2 606	77.8	1 126
Truck ¹	42 960	70.1	3 624	84.8	2 423	72.4	985
For-hire truck	28 703	46.9	1 601	37.4	1 877	56.0	1 668
Private truck	13 997	22.8	2 012	47.1	530	15.8	302
Rail	92	.2	27	.6	70	2.1	1 923
Water	S	S	S	S	S	S	1 383
Shallow draft	S	S	S	S	S	S	337
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 821
Air (includes truck and air)	2 087	3.4	52	1.2	100	3.0	2 090
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	14 121	23.0	466	10.9	676	20.2	1 588
Parcel, U.S. Postal Service or courier	13 051	21.3	358	8.4	526	15.7	1 585
Truck and rail	S	S	S	S	S	S	782
Truck and water	S	S	S	S	S	S	2 260
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	5 094
Other and unknown modes	1 779	2.9	98	2.3	66	2.0	184

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	15 222	100.0	114 167	100.0	12 000	100.0	340
Single modes	13 697	90.0	111 142	97.4	10 365	86.4	216
Truck ¹	13 300	87.4	106 761	93.5	7 786	64.9	212
For-hire truck	5 428	35.7	24 897	21.8	4 841	40.3	458
Private truck	7 539	49.5	80 588	70.6	2 729	22.7	170
Rail	321	2.1	4 296	3.8	2 397	20.0	762
Water	S	S	S	S	S	S	353
Shallow draft	S	S	S	S	S	S	441
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	292
Air (includes truck and air)	72	.5	S	S	S	S	1 049
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	858	5.6	443	.4	671	5.6	1 094
Parcel, U.S. Postal Service or courier	687	4.5	62	—	55	.5	1 089
Truck and rail	70	.5	162	.1	S	S	1 056
Truck and water	S	S	213	.2	428	3.6	1 671
Rail and water	S	S	S	S	S	S	2 436
Other multiple modes	S	S	S	S	S	S	2 664
Other and unknown modes	666	4.4	2 581	2.3	963	8.0	S
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	26 917	100.0	21 264	100.0	9 648	100.0	427
Single modes	23 383	86.9	17 861	84.0	6 828	70.8	218
Truck ¹	21 658	80.5	15 902	74.8	4 158	43.1	162
For-hire truck	11 285	41.9	8 043	37.8	3 543	36.7	674
Private truck	10 210	37.9	7 769	36.5	547	5.7	44
Rail	1 348	5.0	1 612	7.6	2 388	24.8	1 521
Water	103	.4	S	S	135	1.4	1 076
Shallow draft	S	S	S	S	S	S	282
Great Lakes	—	—	—	—	—	—	—
Deep draft	89	.3	S	S	130	1.3	1 174
Air (includes truck and air)	275	1.0	S	S	S	S	1 798
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 106	7.8	S	S	868	9.0	1 292
Parcel, U.S. Postal Service or courier	1 186	4.4	47	.2	S	S	1 287
Truck and rail	384	1.4	305	1.4	528	5.5	1 575
Truck and water	62	.2	67	.3	211	2.2	2 019
Rail and water	S	S	S	S	S	S	1 776
Other multiple modes	S	S	S	S	S	S	312
Other and unknown modes	1 428	5.3	1 709	8.0	S	S	211
SCTG 33, ARTICLES OF BASE METAL							
Total	28 179	100.0	10 398	100.0	6 312	100.0	490
Single modes	19 220	68.2	8 280	79.6	3 535	56.0	220
Truck ¹	18 393	65.3	7 891	75.9	2 908	46.1	192
For-hire truck	11 530	40.9	4 503	43.3	2 565	40.6	622
Private truck	6 826	24.2	3 339	32.1	322	5.1	50
Rail	280	1.0	232	2.2	414	6.6	2 118
Water	S	S	S	S	S	S	771
Shallow draft	S	S	S	S	S	S	170
Great Lakes	—	—	—	—	—	—	—
Deep draft	15	—	8	—	S	S	1 031
Air (includes truck and air)	510	1.8	143	1.4	S	S	1 501
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	6 361	22.6	298	2.9	S	S	743
Parcel, U.S. Postal Service or courier	6 236	22.1	205	2.0	176	2.8	743
Truck and rail	S	S	6	—	14	.2	2 329
Truck and water	78	.3	S	S	S	S	1 047
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 608
Other and unknown modes	2 598	9.2	1 820	17.5	2 055	32.6	172

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	40 942	100.0	3 387	100.0	3 226	100.0	514
Single modes	29 801	72.8	2 759	81.5	2 460	76.3	252
Truck ¹	26 844	65.6	2 608	77.0	2 136	66.2	181
For-hire truck	18 392	44.9	1 787	52.7	1 843	57.1	727
Private truck	8 317	20.3	797	23.5	S	S	50
Rail	119	.3	21	.6	57	1.8	2 644
Water	S	S	S	S	S	S	630
Shallow draft	S	S	S	S	S	S	71
Great Lakes	—	—	—	—	—	—	—
Deep draft	25	—	3	.1	S	S	1 085
Air (includes truck and air)	2 696	6.6	S	S	S	S	1 770
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	7 525	18.4	230	6.8	246	7.6	880
Parcel, U.S. Postal Service or courier	7 480	18.3	224	6.6	236	7.3	880
Truck and rail	S	S	S	S	S	S	2 084
Truck and water	42	.1	6	.2	S	S	523
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	31
Other and unknown modes	3 616	8.8	398	11.7	S	S	S
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	226 446	100.0	5 774	100.0	6 076	100.0	821
Single modes	145 206	64.1	4 843	83.9	5 075	83.5	510
Truck ¹	118 700	52.4	4 562	79.0	4 652	76.6	307
For-hire truck	84 102	37.1	3 008	52.1	4 042	66.5	1 062
Private truck	32 593	14.4	1 426	24.7	440	7.2	83
Rail	980	.4	111	1.9	161	2.6	2 198
Water	102	—	4	—	—	—	S
Shallow draft	S	S	S	S	S	S	62
Great Lakes	—	—	—	—	—	—	—
Deep draft	72	—	3	—	—	—	894
Air (includes truck and air)	25 423	11.2	166	2.9	262	4.3	1 910
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	62 987	27.8	491	8.5	575	9.5	1 171
Parcel, U.S. Postal Service or courier	62 377	27.5	463	8.0	525	8.6	1 171
Truck and rail	S	S	S	S	S	S	2 446
Truck and water	S	S	14	.2	23	.4	1 938
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	19
Other and unknown modes	18 253	8.1	440	7.6	426	7.0	390
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	37 148	100.0	4 879	100.0	2 621	100.0	458
Single modes	26 397	71.1	3 760	77.1	1 701	64.9	175
Truck ¹	24 784	66.7	3 660	75.0	1 516	57.8	90
For-hire truck	16 641	44.8	1 526	31.3	868	33.1	373
Private truck	8 081	21.8	2 126	43.6	644	24.6	31
Rail	286	.8	35	.7	88	3.4	2 369
Water	74	.2	13	.3	S	S	1 302
Shallow draft	S	S	S	S	S	S	371
Great Lakes	—	—	—	—	—	—	—
Deep draft	49	.1	10	.2	S	S	1 777
Air (includes truck and air)	1 252	3.4	52	1.1	91	3.5	1 662
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3 614	9.7	165	3.4	217	8.3	1 043
Parcel, U.S. Postal Service or courier	3 180	8.6	130	2.7	142	5.4	1 040
Truck and rail	60	.2	15	.3	33	1.3	2 219
Truck and water	S	S	S	S	S	S	1 810
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	7 137	19.2	954	19.6	703	26.8	191

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	60 942	100.0	496	100.0	306	100.0	999
Single modes	54 099	88.8	461	92.9	244	79.7	555
Truck ¹	9 720	15.9	236	47.6	186	60.7	221
For-hire truck	6 524	10.7	160	32.2	170	55.6	877
Private truck	3 185	5.2	76	15.4	16	5.1	55
Rail	453	.7	S	S	S	S	1 659
Water	S	S	S	S	S	S	280
Shallow draft	S	S	S	S	S	S	280
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	43 926	72.1	44	8.9	55	18.1	1 663
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	5 949	9.8	25	5.1	54	17.5	1 404
Parcel, U.S. Postal Service or courier	4 173	6.8	24	4.9	52	17.0	1 403
Truck and rail	S	S	S	S	S	S	2 310
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	10	2.0	8	2.7	1 291
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	36 049	100.0	501	100.0	457	100.0	1 387
Single modes	20 256	56.2	387	77.3	283	61.8	1 140
Truck ¹	15 286	42.4	356	71.0	219	47.9	375
For-hire truck	10 235	28.4	258	51.4	211	46.1	881
Private truck	5 049	14.0	98	19.6	8	1.8	124
Rail	S	S	S	S	S	S	1 439
Water	S	S	S	S	S	S	S
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	4 952	13.7	30	6.0	61	13.4	2 065
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	13 924	38.6	81	16.2	128	27.9	1 487
Parcel, U.S. Postal Service or courier	13 831	38.4	78	15.7	123	27.0	1 486
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	1 746
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 869	5.2	33	6.5	S	S	280
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	11 731	100.0	2 227	100.0	1 965	100.0	773
Single modes	9 652	82.3	2 027	91.0	1 731	88.1	514
Truck ¹	9 551	81.4	1 993	89.5	1 650	84.0	487
For-hire truck	5 260	44.8	1 058	47.5	1 417	72.1	1 066
Private truck	4 219	36.0	919	41.3	212	10.8	151
Rail	49	.4	27	1.2	S	S	770
Water	6	—	1	—	S	S	987
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	6	—	1	—	S	S	987
Air (includes truck and air)	46	.4	5	.2	10	.5	2 004
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 341	11.4	106	4.8	184	9.4	1 372
Parcel, U.S. Postal Service or courier	1 167	9.9	70	3.2	96	4.9	1 355
Truck and rail	139	1.2	31	1.4	77	3.9	2 507
Truck and water	35	.3	5	.2	11	.5	1 952
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	94	4.2	49	2.5	93

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	80 561	100.0	11 625	100.0	7 363	100.0	1 411
Single modes	53 936	67.0	8 759	75.3	3 348	45.5	792
Truck ¹	50 622	62.8	8 631	74.2	3 067	41.7	693
For-hire truck	22 871	28.4	3 740	32.2	2 428	33.0	1 405
Private truck	S	S	4 777	41.1	589	8.0	153
Rail	213	.3	40	.3	96	1.3	2 228
Water	S	S	S	S	S	S	1 434
Shallow draft	S	S	S	S	S	S	368
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 486
Air (includes truck and air)	3 072	3.8	85	.7	S	S	2 064
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	24 170	30.0	633	5.4	1 006	13.7	1 654
Parcel, U.S. Postal Service or courier	23 850	29.6	580	5.0	881	12.0	1 654
Truck and rail	245	.3	35	.3	89	1.2	2 518
Truck and water	75	—	18	.2	37	.5	1 462
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 455	3.0	S	S	S	S	496
SCTG 41, WASTE AND SCRAP							
Total	4 834	100.0	29 055	100.0	6 315	100.0	139
Single modes	3 873	80.1	25 125	86.5	3 914	62.0	89
Truck ¹	3 676	76.0	23 572	81.1	3 364	53.3	84
For-hire truck	1 741	36.0	10 276	35.4	2 088	33.1	149
Private truck	1 874	38.8	10 113	34.8	1 179	18.7	S
Rail	171	3.5	1 390	4.8	544	8.6	432
Water	S	S	S	S	S	S	33
Shallow draft	S	S	S	S	S	S	7
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	33
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	150	3.1	214	.7	505	8.0	1 399
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	714
Truck and rail	109	2.3	94	.3	205	3.3	2 214
Truck and water	S	S	S	S	S	S	2 112
Rail and water	—	—	—	—	—	—	—
Other multiple modes	4	—	4	—	19	.3	5 222
Other and unknown modes	812	16.8	S	S	1 897	30.0	698
SCTG 43, MIXED FREIGHT							
Total	47 074	100.0	23 679	100.0	2 732	100.0	424
Single modes	45 989	97.7	23 394	98.8	2 406	88.0	131
Truck ¹	45 709	97.1	23 369	98.7	2 380	87.1	123
For-hire truck	2 119	4.5	299	1.3	187	6.8	848
Private truck	43 549	92.5	23 063	97.4	2 191	80.2	73
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	400
Shallow draft	S	S	S	S	S	S	187
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	419
Air (includes truck and air)	S	S	S	S	S	S	1 820
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	822	1.7	168	.7	S	S	1 166
Parcel, U.S. Postal Service or courier	551	1.2	40	.2	51	1.9	1 164
Truck and rail	S	S	S	S	S	S	2 164
Truck and water	228	.5	S	S	S	S	1 338
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	49

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	6 641	100.0	6 877	100.0	1 215	100.0	506
Single modes	5 439	81.9	6 750	98.2	1 131	93.1	316
Truck ¹	4 520	68.1	4 323	62.9	751	61.8	285
For-hire truck	2 866	43.2	S	S	481	39.6	644
Private truck	1 192	17.9	888	12.9	72	5.9	S
Rail	56	.8	S	S	142	11.7	888
Water	S	S	S	S	S	S	866
Shallow draft	S	S	S	S	S	S	76
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 493
Air (includes truck and air)	S	S	6	—	S	S	1 862
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	745	11.2	74	1.1	45	3.7	632
Parcel, U.S. Postal Service or courier	710	10.7	15	.2	11	.9	630
Truck and rail	16	.2	S	S	S	S	1 254
Truck and water	S	S	S	S	S	S	1 372
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	53	.8	S	S	426

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 076 658	1 250 570	234 473
Less than 50 miles	436 276	905 399	19 220
50 to 99 miles	83 843	97 429	9 203
100 to 249 miles	97 354	97 908	19 663
250 to 499 miles	87 884	57 269	23 648
500 to 749 miles	36 120	19 901	15 445
750 to 999 miles	42 015	16 490	18 398
1,000 to 1,499 miles	57 203	15 020	23 616
1,500 to 1,999 miles	99 005	20 802	47 066
2,000 miles or more	136 958	20 352	58 214
SCTG 01, Live animals and live fish	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	8 017	58 812	5 017
Less than 50 miles	5 930	43 589	277
50 to 99 miles	257	1 866	211
100 to 249 miles	1 013	7 403	1 836
250 to 499 miles	S	S	S
500 to 749 miles	S	31	22
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	23 382	25 184	17 613
Less than 50 miles	8 300	11 137	186
50 to 99 miles	1 729	1 877	174
100 to 249 miles	3 565	3 101	580
250 to 499 miles	1 608	1 588	627
500 to 749 miles	595	567	434
750 to 999 miles	786	863	968
1,000 to 1,499 miles	926	912	1 460
1,500 to 1,999 miles	2 193	2 057	4 630
2,000 miles or more	3 681	3 083	8 553
SCTG 04, Animal feed and products of animal origin, n.e.c.	5 548	21 604	3 281
Less than 50 miles	2 935	12 927	448
50 to 99 miles	666	2 096	190
100 to 249 miles	1 129	4 944	956
250 to 499 miles	254	883	326
500 to 749 miles	62	S	S
750 to 999 miles	83	278	298
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	24	50
2,000 miles or more	S	302	874
SCTG 05, Meat, fish, seafood, and their preparations	29 109	10 753	3 425
Less than 50 miles	16 105	6 406	150
50 to 99 miles	2 714	995	100
100 to 249 miles	2 616	976	192
250 to 499 miles	1 980	627	237
500 to 749 miles	824	255	184
750 to 999 miles	1 144	313	304
1,000 to 1,499 miles	1 290	586	849
1,500 to 1,999 miles	1 109	352	740
2,000 miles or more	1 328	243	669
SCTG 06, Milled grain products and preparations, and bakery products	15 653	13 921	5 499
Less than 50 miles	6 806	6 388	170
50 to 99 miles	1 638	1 373	124
100 to 249 miles	2 511	2 211	391
250 to 499 miles	1 524	1 359	549
500 to 749 miles	626	532	404
750 to 999 miles	785	720	820
1,000 to 1,499 miles	512	368	586
1,500 to 1,999 miles	574	521	1 199
2,000 miles or more	677	449	1 256
SCTG 07, Other prepared foodstuffs and fats and oils	45 877	53 894	22 183
Less than 50 miles	20 162	29 140	714
50 to 99 miles	4 405	5 043	464
100 to 249 miles	5 958	7 592	1 517
250 to 499 miles	3 292	2 670	1 054
500 to 749 miles	2 420	1 883	1 422
750 to 999 miles	1 184	909	1 010
1,000 to 1,499 miles	1 683	1 447	2 447
1,500 to 1,999 miles	4 008	2 657	6 012
2,000 miles or more	2 765	2 553	7 543

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	20 498	15 192	7 229
Less than 50 miles	10 645	7 841	168
50 to 99 miles	1 785	1 421	122
100 to 249 miles	2 580	1 607	274
250 to 499 miles	1 357	1 237	541
500 to 749 miles	617	574	422
750 to 999 miles	430	493	556
1,000 to 1,499 miles	308	333	530
1,500 to 1,999 miles	988	607	1 374
2,000 miles or more	1 789	1 079	3 241
SCTG 09, Tobacco products	1 891	163	19
Less than 50 miles	964	67	2
50 to 99 miles	403	S	S
100 to 249 miles	399	17	3
250 to 499 miles	88	S	5
500 to 749 miles	7	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	17	S	S
SCTG 10, Monumental or building stone	S	1 686	S
Less than 50 miles	S	1 325	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	28
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	511	46 971	1 897
Less than 50 miles	391	43 988	1 085
50 to 99 miles	21	1 612	147
100 to 249 miles	19	715	162
250 to 499 miles	S	289	126
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	1 593	218 645	6 987
Less than 50 miles	1 480	209 130	4 619
50 to 99 miles	55	4 466	435
100 to 249 miles	28	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	S	5 948	1 721
Less than 50 miles	S	3 876	S
50 to 99 miles	32	495	45
100 to 249 miles	52	609	120
250 to 499 miles	47	269	103
500 to 749 miles	12	S	S
750 to 999 miles	5	S	S
1,000 to 1,499 miles	9	28	47
1,500 to 1,999 miles	28	S	S
2,000 miles or more	42	179	476
SCTG 14, Metallic ores and concentrates	1 507	S	459
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	39	8
250 to 499 miles	35	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	—	—	—
100 to 249 miles	—	—	—
250 to 499 miles	—	—	—
500 to 749 miles	—	—	—
750 to 999 miles	—	—	—
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	45 906	162 197	13 169
Less than 50 miles	37 349	129 889	1 989
50 to 99 miles	3 246	11 710	889
100 to 249 miles	2 866	10 648	1 805
250 to 499 miles	1 609	6 072	2 190
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	2 414	3 484
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	15 016	63 251	7 783
Less than 50 miles	11 478	46 343	711
50 to 99 miles	1 070	4 562	400
100 to 249 miles	697	3 819	719
250 to 499 miles	780	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	7 440	54 191	4 393
Less than 50 miles	4 687	44 958	1 129
50 to 99 miles	357	1 420	143
100 to 249 miles	882	4 070	819
250 to 499 miles	S	S	S
500 to 749 miles	124	270	220
750 to 999 miles	65	184	223
1,000 to 1,499 miles	48	199	303
1,500 to 1,999 miles	34	S	S
2,000 miles or more	48	66	181
SCTG 20, Basic chemicals	8 716	12 737	4 343
Less than 50 miles	3 604	8 112	206
50 to 99 miles	669	1 239	122
100 to 249 miles	524	1 043	206
250 to 499 miles	603	533	256
500 to 749 miles	638	374	311
750 to 999 miles	510	150	161
1,000 to 1,499 miles	493	266	440
1,500 to 1,999 miles	859	770	1 909
2,000 miles or more	818	249	731
SCTG 21, Pharmaceutical products	21 531	828	466
Less than 50 miles	10 041	436	9
50 to 99 miles	2 342	68	6
100 to 249 miles	2 403	61	13
250 to 499 miles	942	45	18
500 to 749 miles	373	S	7
750 to 999 miles	713	23	23
1,000 to 1,499 miles	1 341	56	82
1,500 to 1,999 miles	1 153	S	S
2,000 miles or more	2 224	57	155
SCTG 22, Fertilizers	2 455	18 146	3 675
Less than 50 miles	1 806	12 687	396
50 to 99 miles	201	S	191
100 to 249 miles	200	1 247	241
250 to 499 miles	82	348	162
500 to 749 miles	73	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	7	26	69
SCTG 23, Chemical products and preparations, n.e.c.	25 176	9 264	4 174
Less than 50 miles	12 351	4 327	99
50 to 99 miles	1 921	771	69
100 to 249 miles	2 248	818	161
250 to 499 miles	2 947	1 333	535
500 to 749 miles	1 100	435	327
750 to 999 miles	1 001	254	261
1,000 to 1,499 miles	958	S	S
1,500 to 1,999 miles	989	340	761
2,000 miles or more	1 662	397	1 118
SCTG 24, Plastics and rubber	25 237	7 649	3 787
Less than 50 miles	10 962	3 557	81
50 to 99 miles	1 824	643	61
100 to 249 miles	2 374	985	196
250 to 499 miles	2 024	659	273
500 to 749 miles	1 191	343	264
750 to 999 miles	1 172	337	364
1,000 to 1,499 miles	1 214	259	399
1,500 to 1,999 miles	2 020	388	830
2,000 miles or more	2 457	477	1 318

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	6 625	91 982	6 653
Less than 50 miles	4 663	74 737	2 238
50 to 99 miles	1 041	11 530	1 249
100 to 249 miles	513	4 080	850
250 to 499 miles	75	161	75
500 to 749 miles	55	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	46	84	196
2,000 miles or more	S	S	S
SCTG 26, Wood products	27 947	69 223	30 158
Less than 50 miles	9 137	28 100	726
50 to 99 miles	3 528	11 434	1 130
100 to 249 miles	4 745	10 712	2 291
250 to 499 miles	2 348	6 335	2 960
500 to 749 miles	1 508	3 548	2 959
750 to 999 miles	1 208	2 225	2 737
1,000 to 1,499 miles	945	1 368	2 364
1,500 to 1,999 miles	2 514	3 192	7 846
2,000 miles or more	2 014	2 307	7 144
SCTG 27, Pulp, newsprint, paper, and paperboard	12 175	16 729	9 494
Less than 50 miles	5 401	5 214	134
50 to 99 miles	1 093	1 558	148
100 to 249 miles	1 336	2 327	534
250 to 499 miles	1 082	1 902	973
500 to 749 miles	900	1 780	1 448
750 to 999 miles	1 124	2 325	2 631
1,000 to 1,499 miles	307	511	821
1,500 to 1,999 miles	532	702	1 596
2,000 miles or more	401	411	1 209
SCTG 28, Paper or paperboard articles	14 404	16 280	4 011
Less than 50 miles	7 391	10 651	278
50 to 99 miles	1 378	1 507	144
100 to 249 miles	1 395	1 179	229
250 to 499 miles	1 375	1 278	581
500 to 749 miles	557	391	300
750 to 999 miles	1 001	599	640
1,000 to 1,499 miles	272	170	235
1,500 to 1,999 miles	402	179	405
2,000 miles or more	633	326	1 199
SCTG 29, Printed products	24 618	10 334	3 263
Less than 50 miles	13 085	7 612	135
50 to 99 miles	1 534	381	35
100 to 249 miles	1 668	403	81
250 to 499 miles	1 813	506	222
500 to 749 miles	760	177	132
750 to 999 miles	813	182	209
1,000 to 1,499 miles	878	114	185
1,500 to 1,999 miles	2 080	537	1 080
2,000 miles or more	1 988	420	1 184
SCTG 30, Textiles, leather, and articles of textiles or leather	61 264	4 275	3 349
Less than 50 miles	16 386	1 675	37
50 to 99 miles	1 853	246	24
100 to 249 miles	4 302	582	118
250 to 499 miles	6 739	369	147
500 to 749 miles	1 911	84	65
750 to 999 miles	2 757	126	142
1,000 to 1,499 miles	3 871	171	267
1,500 to 1,999 miles	9 560	411	872
2,000 miles or more	13 886	611	1 677
SCTG 31, Nonmetallic mineral products	15 222	114 167	12 000
Less than 50 miles	8 109	85 535	1 656
50 to 99 miles	1 859	11 342	1 125
100 to 249 miles	1 599	8 851	1 762
250 to 499 miles	1 186	4 557	1 986
500 to 749 miles	557	1 535	1 190
750 to 999 miles	468	808	868
1,000 to 1,499 miles	353	427	665
1,500 to 1,999 miles	501	481	1 054
2,000 miles or more	590	631	1 694
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	26 917	21 264	9 648
Less than 50 miles	11 522	10 232	235
50 to 99 miles	2 483	2 275	215
100 to 249 miles	2 231	2 040	400
250 to 499 miles	2 156	2 190	935
500 to 749 miles	968	975	749
750 to 999 miles	1 718	846	991
1,000 to 1,499 miles	1 861	651	1 087
1,500 to 1,999 miles	2 355	1 294	2 902
2,000 miles or more	1 622	761	2 135

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	28 179	10 398	6 312
Less than 50 miles	11 663	4 182	97
50 to 99 miles	2 132	1 017	93
100 to 249 miles	2 909	1 283	244
250 to 499 miles	2 373	1 118	464
500 to 749 miles	892	348	260
750 to 999 miles	1 326	447	499
1,000 to 1,499 miles	2 388	675	1 034
1,500 to 1,999 miles	1 920	527	1 448
2,000 miles or more	2 577	801	2 173
SCTG 34, Machinery	40 942	3 387	3 226
Less than 50 miles	15 006	1 261	32
50 to 99 miles	2 417	159	15
100 to 249 miles	3 180	239	46
250 to 499 miles	2 310	192	83
500 to 749 miles	2 623	107	83
750 to 999 miles	1 219	124	135
1,000 to 1,499 miles	3 164	394	593
1,500 to 1,999 miles	5 448	389	838
2,000 miles or more	5 573	521	1 401
SCTG 35, Electronic and other electrical equipment and components and office equipment	226 446	5 774	6 076
Less than 50 miles	66 555	1 850	34
50 to 99 miles	11 250	277	26
100 to 249 miles	10 568	274	54
250 to 499 miles	23 512	711	302
500 to 749 miles	8 036	196	150
750 to 999 miles	9 493	184	200
1,000 to 1,499 miles	19 575	524	798
1,500 to 1,999 miles	28 146	583	1 259
2,000 miles or more	49 312	1 176	3 254
SCTG 36, Motorized and other vehicles (including parts)	37 148	4 879	2 621
Less than 50 miles	14 509	1 657	32
50 to 99 miles	2 566	253	24
100 to 249 miles	4 121	385	76
250 to 499 miles	5 364	1 588	601
500 to 749 miles	1 345	165	126
750 to 999 miles	1 233	100	110
1,000 to 1,499 miles	1 807	157	253
1,500 to 1,999 miles	3 138	281	605
2,000 miles or more	3 066	294	793
SCTG 37, Transportation equipment, n.e.c.	60 942	496	306
Less than 50 miles	S	278	3
50 to 99 miles	360	7	1
100 to 249 miles	1 383	51	11
250 to 499 miles	730	S	S
500 to 749 miles	637	S	S
750 to 999 miles	4 774	11	12
1,000 to 1,499 miles	4 604	14	22
1,500 to 1,999 miles	11 754	35	80
2,000 miles or more	14 394	53	151
SCTG 38, Precision instruments and apparatus	36 049	501	457
Less than 50 miles	10 178	144	4
50 to 99 miles	1 102	22	2
100 to 249 miles	1 343	S	S
250 to 499 miles	3 567	72	31
500 to 749 miles	2 003	20	15
750 to 999 miles	2 643	36	38
1,000 to 1,499 miles	2 416	25	39
1,500 to 1,999 miles	4 417	65	135
2,000 miles or more	8 381	67	184
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	11 731	2 227	1 965
Less than 50 miles	4 268	799	17
50 to 99 miles	686	158	14
100 to 249 miles	741	153	31
250 to 499 miles	1 274	206	83
500 to 749 miles	427	66	52
750 to 999 miles	678	144	160
1,000 to 1,499 miles	630	161	240
1,500 to 1,999 miles	1 303	188	400
2,000 miles or more	1 724	352	968
SCTG 40, Miscellaneous manufactured products	80 561	11 625	7 363
Less than 50 miles	17 002	3 184	97
50 to 99 miles	S	S	143
100 to 249 miles	S	2 182	440
250 to 499 miles	7 614	869	352
500 to 749 miles	2 836	471	360
750 to 999 miles	2 615	S	S
1,000 to 1,499 miles	3 905	S	S
1,500 to 1,999 miles	9 478	739	1 540
2,000 miles or more	11 037	849	2 294

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	4 834	29 055	6 315
Less than 50 miles	3 177	19 963	354
50 to 99 miles	217	2 041	216
100 to 249 miles	264	2 694	516
250 to 499 miles	464	2 104	920
500 to 749 miles	79	522	441
750 to 999 miles	S	S	S
1,000 to 1,499 miles	48	S	S
1,500 to 1,999 miles	147	159	355
2,000 miles or more	262	1 010	2 873
SCTG 43, Mixed freight	47 074	23 679	2 732
Less than 50 miles	25 455	12 832	381
50 to 99 miles	9 524	5 195	470
100 to 249 miles	8 481	4 561	977
250 to 499 miles	2 387	740	312
500 to 749 miles	484	136	103
750 to 999 miles	91	34	36
1,000 to 1,499 miles	67	9	12
1,500 to 1,999 miles	244	50	103
2,000 miles or more	342	121	S
Commodity unknown	6 641	6 877	1 215
Less than 50 miles	2 831	S	S
50 to 99 miles	S	S	S
100 to 249 miles	553	305	57
250 to 499 miles	410	341	135
500 to 749 miles	238	S	S
750 to 999 miles	143	S	S
1,000 to 1,499 miles	511	56	91
1,500 to 1,999 miles	438	62	136
2,000 miles or more	757	101	290

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 076 658	1 250 570	234 473
Less than 50 lb	168 222	2 961	2 002
50 to 99 lb	54 091	2 158	984
100 to 499 lb	137 076	12 291	4 054
500 to 749 lb	42 589	5 817	1 768
750 to 999 lb	27 162	4 637	1 368
1,000 to 9,999 lb	231 990	78 900	25 575
10,000 to 49,999 lb	254 923	423 524	91 732
50,000 to 99,999 lb	62 820	348 260	25 966
100,000 lb or more	97 785	372 022	81 025
SCTG 01, Live animals and live fish	S	S	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	8	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 02, Cereal grains	8 017	58 812	5 017
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	8	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	178	18
10,000 to 49,999 lb	194	740	319
50,000 to 99,999 lb	420	3 213	410
100,000 lb or more	7 223	54 668	4 269
SCTG 03, Other agricultural products	23 382	25 184	17 613
Less than 50 lb	S	S	16
50 to 99 lb	275	84	S
100 to 499 lb	1 530	756	130
500 to 749 lb	581	395	46
750 to 999 lb	388	253	33
1,000 to 9,999 lb	5 069	5 879	3 909
10,000 to 49,999 lb	11 739	12 076	11 175
50,000 to 99,999 lb	938	1 740	774
100,000 lb or more	2 097	3 900	1 508
SCTG 04, Animal feed and products of animal origin, n.e.c.	5 548	21 604	3 281
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	175	93	S
500 to 749 lb	S	73	S
750 to 999 lb	S	59	S
1,000 to 9,999 lb	556	1 056	102
10,000 to 49,999 lb	3 116	12 603	1 927
50,000 to 99,999 lb	908	5 654	550
100,000 lb or more	540	2 053	596
SCTG 05, Meat, fish, seafood, and their preparations	29 109	10 753	3 425
Less than 50 lb	654	68	6
50 to 99 lb	811	112	10
100 to 499 lb	3 357	709	75
500 to 749 lb	1 307	320	39
750 to 999 lb	1 035	283	30
1,000 to 9,999 lb	9 793	3 071	719
10,000 to 49,999 lb	10 303	5 005	1 664
50,000 to 99,999 lb	521	390	S
100,000 lb or more	1 328	796	756
SCTG 06, Milled grain products and preparations, and bakery products	15 653	13 921	5 499
Less than 50 lb	301	S	5
50 to 99 lb	277	114	3
100 to 499 lb	1 156	498	37
500 to 749 lb	449	266	25
750 to 999 lb	291	222	36
1,000 to 9,999 lb	3 801	2 332	657
10,000 to 49,999 lb	7 890	7 570	3 313
50,000 to 99,999 lb	701	1 210	202
100,000 lb or more	787	1 595	1 222
SCTG 07, Other prepared foodstuffs and fats and oils	45 877	53 894	22 183
Less than 50 lb	531	66	15
50 to 99 lb	513	111	14
100 to 499 lb	2 727	989	94
500 to 749 lb	1 014	523	52
750 to 999 lb	791	448	45
1,000 to 9,999 lb	9 651	8 324	1 249
10,000 to 49,999 lb	25 540	33 360	12 963
50,000 to 99,999 lb	2 682	6 363	1 360
100,000 lb or more	2 430	3 710	6 391

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	20 498	15 192	7 229
Less than 50 lb	280	37	S
50 to 99 lb	246	63	4
100 to 499 lb	1 982	940	42
500 to 749 lb	774	532	19
750 to 999 lb	631	472	20
1,000 to 9,999 lb	5 169	3 981	345
10,000 to 49,999 lb	8 310	6 679	5 002
50,000 to 99,999 lb	1 673	1 303	144
100,000 lb or more	1 432	1 184	S
SCTG 09, Tobacco products	1 891	163	19
Less than 50 lb	116	3	—
50 to 99 lb	148	4	—
100 to 499 lb	742	33	3
500 to 749 lb	179	14	1
750 to 999 lb	S	15	1
1,000 to 9,999 lb	411	51	9
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	S	1 686	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	3	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	660	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	511	46 971	1 897
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	3	1	S
500 to 749 lb	2	2	S
750 to 999 lb	2	1	S
1,000 to 9,999 lb	S	148	9
10,000 to 49,999 lb	180	9 361	387
50,000 to 99,999 lb	149	15 374	792
100,000 lb or more	138	S	708
SCTG 12, Gravel and crushed stone	1 593	218 645	6 987
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	20	1 006	14
10,000 to 49,999 lb	647	78 422	2 507
50,000 to 99,999 lb	621	97 175	2 598
100,000 lb or more	287	42 018	1 868
SCTG 13, Nonmetallic minerals n.e.c.	S	5 948	1 721
Less than 50 lb	4	—	S
50 to 99 lb	S	1	—
100 to 499 lb	13	6	—
500 to 749 lb	S	S	S
750 to 999 lb	S	1	—
1,000 to 9,999 lb	S	S	19
10,000 to 49,999 lb	S	3 201	1 034
50,000 to 99,999 lb	S	1 258	S
100,000 lb or more	35	1 031	224
SCTG 14, Metallic ores and concentrates	1 507	S	459
Less than 50 lb	S	S	—
50 to 99 lb	S	—	—
100 to 499 lb	S	1	S
500 to 749 lb	S	—	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	272	49	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	11	S
100,000 lb or more	537	S	S
SCTG 15, Coal	S	S	S
Less than 50 lb	—	—	—
50 to 99 lb	—	—	—
100 to 499 lb	—	—	—
500 to 749 lb	—	—	—
750 to 999 lb	—	—	—
1,000 to 9,999 lb	—	—	—
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	45 906	162 197	13 169
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	37	1
500 to 749 lb	12	26	—
750 to 999 lb	15	37	1
1,000 to 9,999 lb	S	3 131	90
10,000 to 49,999 lb	3 778	9 724	827
50,000 to 99,999 lb	20 379	68 280	2 781
100,000 lb or more	18 431	80 955	9 469
SCTG 18, Fuel oils	15 016	63 251	7 783
Less than 50 lb	S	1	S
50 to 99 lb	1	2	—
100 to 499 lb	71	95	1
500 to 749 lb	57	117	1
750 to 999 lb	34	107	2
1,000 to 9,999 lb	1 786	3 404	88
10,000 to 49,999 lb	1 830	6 330	218
50,000 to 99,999 lb	4 347	14 895	975
100,000 lb or more	6 887	38 301	6 497
SCTG 19, Coal and petroleum products, n.e.c.	7 440	54 191	4 393
Less than 50 lb	74	21	1
50 to 99 lb	34	24	—
100 to 499 lb	312	293	10
500 to 749 lb	156	S	S
750 to 999 lb	90	126	3
1,000 to 9,999 lb	848	1 654	63
10,000 to 49,999 lb	2 045	18 127	1 197
50,000 to 99,999 lb	940	8 380	418
100,000 lb or more	2 941	25 359	2 694
SCTG 20, Basic chemicals	8 716	12 737	4 343
Less than 50 lb	907	37	26
50 to 99 lb	487	36	16
100 to 499 lb	1 221	291	53
500 to 749 lb	414	113	S
750 to 999 lb	235	101	31
1,000 to 9,999 lb	2 107	1 175	238
10,000 to 49,999 lb	2 282	6 122	1 037
50,000 to 99,999 lb	320	2 319	196
100,000 lb or more	741	2 544	2 708
SCTG 21, Pharmaceutical products	21 531	828	466
Less than 50 lb	8 823	65	27
50 to 99 lb	2 376	38	13
100 to 499 lb	4 320	135	41
500 to 749 lb	961	51	20
750 to 999 lb	435	29	S
1,000 to 9,999 lb	2 554	231	150
10,000 to 49,999 lb	S	S	186
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	2 455	18 146	3 675
Less than 50 lb	3	S	—
50 to 99 lb	2	2	S
100 to 499 lb	22	11	1
500 to 749 lb	11	12	1
750 to 999 lb	7	10	1
1,000 to 9,999 lb	349	915	29
10,000 to 49,999 lb	1 059	7 588	647
50,000 to 99,999 lb	457	3 552	264
100,000 lb or more	543	6 057	S
SCTG 23, Chemical products and preparations, n.e.c.	25 176	9 264	4 174
Less than 50 lb	3 043	136	37
50 to 99 lb	1 317	97	30
100 to 499 lb	4 316	457	126
500 to 749 lb	1 502	223	75
750 to 999 lb	773	146	49
1,000 to 9,999 lb	5 938	1 724	675
10,000 to 49,999 lb	6 728	5 055	1 909
50,000 to 99,999 lb	331	625	65
100,000 lb or more	S	S	1 209
SCTG 24, Plastics and rubber	25 237	7 649	3 787
Less than 50 lb	3 893	163	115
50 to 99 lb	1 378	115	48
100 to 499 lb	3 803	529	213
500 to 749 lb	1 166	222	84
750 to 999 lb	844	174	84
1,000 to 9,999 lb	8 269	2 775	1 097
10,000 to 49,999 lb	5 401	2 820	1 716
50,000 to 99,999 lb	265	411	100
100,000 lb or more	S	440	S

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	6 625	91 982	6 653
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	7	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	488	746	39
10,000 to 49,999 lb	1 386	15 870	1 191
50,000 to 99,999 lb	3 285	61 922	2 860
100,000 lb or more	1 451	13 423	2 559
SCTG 26, Wood products	27 947	69 223	30 158
Less than 50 lb	204	14	6
50 to 99 lb	147	20	5
100 to 499 lb	677	159	30
500 to 749 lb	265	88	13
750 to 999 lb	197	78	14
1,000 to 9,999 lb	3 459	3 156	449
10,000 to 49,999 lb	12 110	23 733	9 600
50,000 to 99,999 lb	6 238	19 299	5 100
100,000 lb or more	4 649	22 676	14 942
SCTG 27, Pulp, newsprint, paper, and paperboard	12 175	16 729	9 494
Less than 50 lb	220	15	4
50 to 99 lb	135	26	3
100 to 499 lb	771	222	25
500 to 749 lb	250	114	8
750 to 999 lb	185	97	13
1,000 to 9,999 lb	2 404	1 364	232
10,000 to 49,999 lb	4 375	6 799	3 588
50,000 to 99,999 lb	1 074	2 066	567
100,000 lb or more	2 762	6 026	5 054
SCTG 28, Paper or paperboard articles	14 404	16 280	4 011
Less than 50 lb	581	41	19
50 to 99 lb	202	42	7
100 to 499 lb	1 138	355	44
500 to 749 lb	438	195	23
750 to 999 lb	256	144	43
1,000 to 9,999 lb	3 832	2 482	395
10,000 to 49,999 lb	7 273	11 650	3 111
50,000 to 99,999 lb	150	361	89
100,000 lb or more	534	1 011	279
SCTG 29, Printed products	24 618	10 334	3 263
Less than 50 lb	5 183	379	151
50 to 99 lb	1 472	226	86
100 to 499 lb	4 230	767	399
500 to 749 lb	1 206	290	196
750 to 999 lb	862	203	150
1,000 to 9,999 lb	6 400	3 359	1 333
10,000 to 49,999 lb	4 776	4 102	668
50,000 to 99,999 lb	369	481	29
100,000 lb or more	119	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	61 264	4 275	3 349
Less than 50 lb	11 587	262	386
50 to 99 lb	3 347	136	186
100 to 499 lb	8 122	496	398
500 to 749 lb	3 037	231	166
750 to 999 lb	2 684	238	115
1,000 to 9,999 lb	20 617	1 636	1 171
10,000 to 49,999 lb	11 056	942	696
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	15 222	114 167	12 000
Less than 50 lb	718	50	32
50 to 99 lb	323	45	21
100 to 499 lb	1 066	218	85
500 to 749 lb	307	87	22
750 to 999 lb	182	75	10
1,000 to 9,999 lb	2 303	3 621	451
10,000 to 49,999 lb	7 834	74 489	5 715
50,000 to 99,999 lb	1 668	20 909	2 295
100,000 lb or more	821	14 673	3 369
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	26 917	21 264	9 648
Less than 50 lb	1 365	56	S
50 to 99 lb	717	58	18
100 to 499 lb	2 381	402	85
500 to 749 lb	990	231	54
750 to 999 lb	566	185	34
1,000 to 9,999 lb	7 299	3 497	903
10,000 to 49,999 lb	9 649	10 572	4 660
50,000 to 99,999 lb	1 429	2 228	637
100,000 lb or more	2 522	4 036	3 219

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	28 179	10 398	6 312
Less than 50 lb	5 834	162	88
50 to 99 lb	1 563	96	30
100 to 499 lb	4 063	491	190
500 to 749 lb	1 149	201	98
750 to 999 lb	714	161	51
1,000 to 9,999 lb	8 059	3 052	1 486
10,000 to 49,999 lb	6 016	5 043	2 673
50,000 to 99,999 lb	285	444	545
100,000 lb or more	496	747	1 152
SCTG 34, Machinery	40 942	3 387	3 226
Less than 50 lb	7 913	165	96
50 to 99 lb	2 541	99	40
100 to 499 lb	7 025	482	301
500 to 749 lb	1 926	158	86
750 to 999 lb	1 274	74	57
1,000 to 9,999 lb	11 176	801	737
10,000 to 49,999 lb	7 921	845	876
50,000 to 99,999 lb	S	90	S
100,000 lb or more	179	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	226 446	5 774	6 076
Less than 50 lb	68 067	361	273
50 to 99 lb	20 027	238	153
100 to 499 lb	48 591	894	610
500 to 749 lb	14 136	260	228
750 to 999 lb	8 535	244	204
1,000 to 9,999 lb	50 089	2 319	3 280
10,000 to 49,999 lb	16 510	1 359	1 276
50,000 to 99,999 lb	S	29	26
100,000 lb or more	228	S	27
SCTG 36, Motorized and other vehicles (including parts)	37 148	4 879	2 621
Less than 50 lb	4 416	174	80
50 to 99 lb	1 499	96	41
100 to 499 lb	6 157	416	194
500 to 749 lb	2 839	156	61
750 to 999 lb	1 384	96	52
1,000 to 9,999 lb	8 752	1 035	478
10,000 to 49,999 lb	7 877	1 368	1 250
50,000 to 99,999 lb	855	759	305
100,000 lb or more	S	779	S
SCTG 37, Transportation equipment, n.e.c.	60 942	496	306
Less than 50 lb	6 391	13	11
50 to 99 lb	S	6	7
100 to 499 lb	4 326	39	45
500 to 749 lb	899	6	S
750 to 999 lb	266	11	S
1,000 to 9,999 lb	3 778	83	86
10,000 to 49,999 lb	S	121	96
50,000 to 99,999 lb	6 019	7	7
100,000 lb or more	30 239	209	34
SCTG 38, Precision instruments and apparatus	36 049	501	457
Less than 50 lb	13 389	55	70
50 to 99 lb	3 283	20	22
100 to 499 lb	8 350	91	91
500 to 749 lb	2 275	35	31
750 to 999 lb	1 246	20	19
1,000 to 9,999 lb	6 805	248	184
10,000 to 49,999 lb	701	32	40
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	11 731	2 227	1 965
Less than 50 lb	595	31	28
50 to 99 lb	585	44	44
100 to 499 lb	2 143	249	159
500 to 749 lb	842	123	71
750 to 999 lb	589	100	66
1,000 to 9,999 lb	5 057	947	699
10,000 to 49,999 lb	1 861	674	786
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	80 561	11 625	7 363
Less than 50 lb	20 782	315	407
50 to 99 lb	3 954	144	132
100 to 499 lb	8 851	614	430
500 to 749 lb	2 266	252	234
750 to 999 lb	1 287	145	98
1,000 to 9,999 lb	17 153	3 992	S
10,000 to 49,999 lb	S	5 359	2 408
50,000 to 99,999 lb	436	354	123
100,000 lb or more	244	S	43

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	4 834	29 055	6 315
Less than 50 lb	S	S	—
50 to 99 lb	S	—	—
100 to 499 lb	—	1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	624	S	S
10,000 to 49,999 lb	3 027	15 397	2 410
50,000 to 99,999 lb	344	2 945	494
100,000 lb or more	835	9 785	3 312
SCTG 43, Mixed freight	47 074	23 679	2 732
Less than 50 lb	641	33	25
50 to 99 lb	290	30	16
100 to 499 lb	1 772	405	57
500 to 749 lb	671	230	33
750 to 999 lb	918	246	31
1,000 to 9,999 lb	12 119	3 718	433
10,000 to 49,999 lb	27 782	17 342	1 819
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	6 641	6 877	1 215
Less than 50 lb	909	14	8
50 to 99 lb	524	11	5
100 to 499 lb	S	69	16
500 to 749 lb	234	20	10
750 to 999 lb	124	21	6
1,000 to 9,999 lb	1 354	276	121
10,000 to 49,999 lb	1 350	1 361	537
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 076 658	1 250 570	234 473	648	436 276	905 399	19 220	83 843	97 429	9 203
Less than 50 lb	168 222	2 961	2 002	806	53 648	1 520	27	8 823	189	18
50 to 99 lb	54 091	2 158	984	456	18 711	1 323	24	2 800	135	12
100 to 499 lb	137 076	12 291	4 054	334	57 571	8 191	157	9 549	965	90
500 to 749 lb	42 589	5 817	1 768	299	18 016	3 885	79	2 322	479	45
750 to 999 lb	27 162	4 637	1 368	295	11 142	3 051	61	1 610	440	42
1,000 to 9,999 lb	231 990	78 900	25 575	329	94 131	50 738	1 046	17 341	6 459	594
10,000 to 49,999 lb	254 923	423 524	91 732	218	92 461	296 896	6 829	31 143	33 358	3 074
50,000 to 99,999 lb	62 820	348 260	25 966	73	37 233	274 094	6 277	6 695	34 736	3 443
100,000 lb or more	97 785	372 022	81 025	548	53 363	265 701	4 718	3 560	20 667	1 886
SCTG 01, Live animals and live fish	S	S	S	1 146	S	S	S	S	S	S
Less than 50 lb	S	S	S	87	S	S	S	—	—	—
50 to 99 lb	S	S	S	1 223	S	S	S	—	—	—
100 to 499 lb	S	S	S	1 241	S	S	S	—	—	—
500 to 749 lb	S	S	S	1 706	S	S	S	—	—	—
750 to 999 lb	S	S	S	8	S	S	S	—	—	—
1,000 to 9,999 lb	S	8	S	1 707	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	32	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	77	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	8 017	58 812	5 017	152	5 930	43 589	277	257	1 866	211
Less than 50 lb	S	S	S	117	S	S	S	—	—	—
50 to 99 lb	S	—	—	22	S	—	—	—	—	—
100 to 499 lb	S	8	S	32	S	7	S	S	S	S
500 to 749 lb	S	S	S	117	S	S	S	S	S	S
750 to 999 lb	S	S	S	97	S	S	S	—	—	—
1,000 to 9,999 lb	S	178	18	153	S	144	3	S	S	S
10,000 to 49,999 lb	194	740	319	340	71	376	S	31	130	17
50,000 to 99,999 lb	420	3 213	410	128	195	1 427	75	141	1 137	123
100,000 lb or more	7 223	54 668	4 269	499	5 511	41 630	178	S	S	S
SCTG 03, Other agricultural products	23 382	25 184	17 613	300	8 300	11 137	186	1 729	1 877	174
Less than 50 lb	S	S	16	S	S	S	S	15	1	—
50 to 99 lb	275	84	S	268	163	68	1	9	3	—
100 to 499 lb	1 530	756	130	180	854	599	8	152	63	6
500 to 749 lb	581	395	46	S	294	294	4	66	46	4
750 to 999 lb	388	253	33	128	221	208	3	S	19	S
1,000 to 9,999 lb	5 069	5 879	3 909	623	2 257	2 980	45	507	452	40
10,000 to 49,999 lb	11 739	12 076	11 175	877	2 908	3 753	89	764	825	75
50,000 to 99,999 lb	938	1 740	433	324	742	742	16	87	329	S
100,000 lb or more	2 097	3 900	1 508	938	759	2 404	19	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	5 548	21 604	3 281	355	2 935	12 927	448	666	2 096	190
Less than 50 lb	S	S	S	1 003	4	1	—	1	—	—
50 to 99 lb	S	S	S	620	S	3	—	S	—	—
100 to 499 lb	175	93	S	448	68	53	1	10	7	1
500 to 749 lb	S	73	S	217	S	53	1	S	S	S
750 to 999 lb	S	59	S	641	28	29	1	S	S	S
1,000 to 9,999 lb	556	1 056	102	91	283	679	19	S	147	14
10,000 to 49,999 lb	3 116	12 603	1 927	141	1 712	7 581	284	340	1 236	110
50,000 to 99,999 lb	908	5 654	550	95	557	3 653	123	160	628	58
100,000 lb or more	540	2 053	596	319	218	876	19	32	66	6
SCTG 05, Meat, fish, seafood, and their preparations	29 109	10 753	3 425	108	16 105	6 406	150	2 714	995	100
Less than 50 lb	654	68	6	S	558	59	1	29	3	—
50 to 99 lb	811	112	10	88	656	95	2	56	6	1
100 to 499 lb	3 357	709	75	S	2 434	548	10	356	76	7
500 to 749 lb	1 307	320	39	123	937	237	5	109	35	3
750 to 999 lb	1 035	283	30	107	773	216	5	57	19	2
1,000 to 9,999 lb	9 793	3 071	719	212	5 358	1 871	38	906	312	31
10,000 to 49,999 lb	10 303	5 005	1 664	343	4 727	2 923	74	937	378	39
50,000 to 99,999 lb	521	390	S	S	206	S	S	S	S	S
100,000 lb or more	1 328	796	756	766	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	15 653	13 921	5 499	S	6 806	6 388	170	1 638	1 373	124
Less than 50 lb	301	S	5	S	277	S	1	5	S	S
50 to 99 lb	277	114	3	S	250	102	1	S	S	S
100 to 499 lb	1 156	498	37	S	921	414	7	80	33	3
500 to 749 lb	449	266	25	93	319	206	5	64	33	3
750 to 999 lb	291	222	36	S	154	122	2	S	S	S
1,000 to 9,999 lb	3 801	2 332	657	235	1 725	1 235	26	413	195	18
10,000 to 49,999 lb	7 890	7 570	3 313	405	2 459	2 942	S	805	790	71
50,000 to 99,999 lb	701	1 210	202	166	353	731	20	S	S	S
100,000 lb or more	787	1 595	1 222	1 098	350	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	45 877	53 894	22 183	166	20 162	29 140	714	4 405	5 043	464
Less than 50 lb	531	66	15	251	346	48	1	28	5	—
50 to 99 lb	513	111	14	138	362	92	2	25	6	1
100 to 499 lb	2 727	989	94	93	1 927	814	17	233	70	7
500 to 749 lb	1 014	523	52	100	653	419	9	126	42	4
750 to 999 lb	791	448	45	100	503	349	7	94	40	4
1,000 to 9,999 lb	9 651	8 324	1 249	141	5 488	5 734	128	1 065	901	82
10,000 to 49,999 lb	25 540	33 360	12 963	328	9 355	17 955	462	2 504	3 322	302
50,000 to 99,999 lb	2 682	6 363	1 360	188	1 204	2 907	67	285	608	60
100,000 lb or more	2 430	3 710	6 391	2 069	324	S	S	S	S	S
SCTG 08, Alcoholic beverages	20 498	15 192	7 229	166	10 645	7 841	168	1 785	1 421	122
Less than 50 lb	280	37	S	685	103	16	—	S	3	—
50 to 99 lb	246	63	4	66	151	49	1	30	6	1
100 to 499 lb	1 982	940	42	45	1 530	811	16	226	66	6
500 to 749 lb	774	532	19	35	667	494	9	58	21	2
750 to 999 lb	631	472	20	41	521	436	8	66	24	2
1,000 to 9,999 lb	5 169	3 981	345	67	4 193	3 578	63	351	153	14
10,000 to 49,999 lb	8 310	6 679	5 002	699	2 275	1 932	57	783	704	61
50,000 to 99,999 lb	1 673	1 303	144	111	S	S	S	242	440	36
100,000 lb or more	1 432	1 184	S	1 456	S	S	S	S	S	S
SCTG 09, Tobacco products	1 891	163	19	132	964	67	2	403	S	S
Less than 50 lb	116	3	—	191	62	2	—	15	—	—
50 to 99 lb	148	4	—	82	86	2	—	30	1	—
100 to 499 lb	742	33	3	98	341	17	1	169	8	1
500 to 749 lb	179	14	1	102	59	6	—	57	5	—
750 to 999 lb	S	15	1	94	S	9	—	30	3	—
1,000 to 9,999 lb	411	51	9	157	243	30	1	29	5	—
10,000 to 49,999 lb	S	S	S	120	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	1 686	S	S	S	1 325	S	S	S	S
Less than 50 lb	S	S	S	1 057	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	643	S	S	S	S	S	S
500 to 749 lb	S	S	S	20	S	S	S	S	S	S
750 to 999 lb	S	S	S	26	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	47	S	S	S	S	S	S
10,000 to 49,999 lb	S	660	S	90	S	468	11	S	S	6
50,000 to 99,999 lb	S	S	S	45	S	S	S	—	—	—
100,000 lb or more	S	S	S	47	S	S	S	—	—	—
SCTG 11, Natural sands	511	46 971	1 897	52	391	43 988	1 085	21	1 612	147
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	10	S	S	S	—	—	—
100 to 499 lb	3	1	S	130	1	1	—	S	S	S
500 to 749 lb	2	2	S	163	1	1	S	S	S	S
750 to 999 lb	2	1	S	333	S	S	S	S	S	S
1,000 to 9,999 lb	S	148	9	70	15	130	1	S	S	S
10,000 to 49,999 lb	180	9 361	387	48	131	8 940	192	4	142	11
50,000 to 99,999 lb	149	15 374	792	52	113	13 810	383	13	819	73
100,000 lb or more	138	S	708	34	129	S	S	S	S	S
SCTG 12, Gravel and crushed stone	1 593	218 645	6 987	29	1 480	209 130	4 619	55	4 466	435
Less than 50 lb	S	S	S	36	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	29	S	S	S	S	S	S
500 to 749 lb	S	S	S	24	S	S	S	S	S	S
750 to 999 lb	S	S	S	11	S	S	S	—	—	—
1,000 to 9,999 lb	20	1 006	14	15	S	994	11	S	11	1
10,000 to 49,999 lb	647	78 422	2 507	31	607	75 598	1 438	14	1 603	150
50,000 to 99,999 lb	621	97 175	2 598	27	564	93 359	1 994	37	2 538	253
100,000 lb or more	287	42 018	1 868	35	271	39 155	1 175	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	S	5 948	1 721	209	S	3 876	S	32	495	45
Less than 50 lb	4	—	S	S	S	—	—	S	S	S
50 to 99 lb	S	1	—	356	S	—	S	S	S	S
100 to 499 lb	13	6	—	S	9	5	—	S	S	S
500 to 749 lb	S	S	S	201	S	S	S	S	S	S
750 to 999 lb	S	1	—	S	S	—	S	S	S	S
1,000 to 9,999 lb	S	S	19	S	S	S	3	6	S	S
10,000 to 49,999 lb	S	3 201	1 034	354	S	S	S	17	125	12
50,000 to 99,999 lb	S	1 258	S	333	S	828	17	2	79	8
100,000 lb or more	35	1 031	224	S	S	S	6	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	1 507	S	459	282	S	S	S	S	S	S
Less than 50 lb	S	S	—	S	S	S	S	S	S	S
50 to 99 lb	S	—	—	S	S	—	S	S	S	S
100 to 499 lb	S	1	S	692	S	—	—	S	S	S
500 to 749 lb	S	—	S	910	S	S	S	S	S	S
750 to 999 lb	S	S	S	304	S	S	S	—	—	—
1,000 to 9,999 lb	272	49	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	465	S	17	S	S	S	S
50,000 to 99,999 lb	S	11	S	839	—	—	—	S	S	S
100,000 lb or more	537	S	S	698	S	S	S	—	—	—
SCTG 15, Coal	S	S	S	25	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	66	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	4	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	45 906	162 197	13 169	41	37 349	129 889	1 989	3 246	11 710	889
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	37	1	12	S	35	—	S	S	S
500 to 749 lb	12	26	—	13	11	24	—	S	S	S
750 to 999 lb	15	37	1	18	14	35	—	S	S	S
1,000 to 9,999 lb	S	3 131	90	27	S	2 950	58	S	S	S
10,000 to 49,999 lb	3 778	9 724	827	79	3 013	7 711	133	316	677	64
50,000 to 99,999 lb	20 379	68 280	2 781	42	17 525	58 970	1 234	1 523	4 902	436
100,000 lb or more	18 431	80 955	9 469	167	13 673	60 155	564	S	S	S
SCTG 18, Fuel oils	15 016	63 251	7 783	28	11 478	46 343	711	1 070	4 562	400
Less than 50 lb	S	1	S	S	S	1	S	S	S	S
50 to 99 lb	1	2	—	26	1	2	—	S	S	S
100 to 499 lb	71	95	1	S	60	94	1	S	S	S
500 to 749 lb	57	117	1	11	47	116	1	S	S	S
750 to 999 lb	34	107	2	17	32	99	1	S	S	S
1,000 to 9,999 lb	1 786	3 404	88	21	1 736	3 320	72	S	55	4
10,000 to 49,999 lb	1 830	6 330	218	33	1 605	5 707	97	121	328	30
50,000 to 99,999 lb	4 347	14 895	975	67	3 415	11 532	220	493	2 018	177
100,000 lb or more	6 887	38 301	6 497	S	4 580	25 472	318	398	2 152	189
SCTG 19, Coal and petroleum products, n.e.c.	7 440	54 191	4 393	39	4 687	44 958	1 129	357	1 420	143
Less than 50 lb	74	21	1	S	59	19	—	S	S	S
50 to 99 lb	34	24	—	18	32	24	—	S	S	S
100 to 499 lb	312	293	10	35	271	263	4	20	13	1
500 to 749 lb	156	S	S	S	—	S	S	S	S	S
750 to 999 lb	90	126	3	25	78	114	2	S	S	S
1,000 to 9,999 lb	848	1 654	63	33	688	1 508	23	69	73	8
10,000 to 49,999 lb	2 045	18 127	1 197	61	1 101	15 938	341	160	553	57
50,000 to 99,999 lb	940	8 380	418	49	621	6 940	161	88	611	59
100,000 lb or more	2 941	25 359	2 694	291	1 700	19 950	S	S	S	S
SCTG 20, Basic chemicals ..	8 716	12 737	4 343	465	3 604	8 112	206	669	1 239	122
Less than 50 lb	907	37	26	697	383	18	—	49	2	—
50 to 99 lb	487	36	16	449	135	22	—	21	2	—
100 to 499 lb	1 221	291	53	174	553	230	5	43	20	2
500 to 749 lb	414	113	S	306	174	81	2	S	7	1
750 to 999 lb	235	101	31	319	81	60	1	S	S	S
1,000 to 9,999 lb	2 107	1 175	238	198	1 038	822	18	244	120	10
10,000 to 49,999 lb	2 282	6 122	1 037	179	1 022	4 177	107	208	698	69
50,000 to 99,999 lb	320	2 319	196	S	155	1 813	42	45	266	26
100,000 lb or more	741	2 544	2 708	1 349	63	S	S	21	107	12
SCTG 21, Pharmaceutical products	21 531	828	466	547	10 041	436	9	2 342	68	6
Less than 50 lb	8 823	65	27	581	4 001	27	1	959	13	1
50 to 99 lb	2 376	38	13	352	885	16	1	367	8	1
100 to 499 lb	4 320	135	41	294	1 892	70	2	680	20	2
500 to 749 lb	961	51	20	403	396	30	1	S	3	—
750 to 999 lb	435	29	S	414	240	14	—	S	6	1
1,000 to 9,999 lb	2 554	231	150	618	1 206	102	3	S	16	1
10,000 to 49,999 lb	S	S	186	471	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	2 906	—	—	—	—	—	—
100,000 lb or more	S	S	S	20	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	2 455	18 146	3 675	58	1 806	12 687	396	201	S	191
Less than 50 lb	3	S	—	S	3	S	—	S	S	S
50 to 99 lb	2	2	S	S	2	2	—	S	S	S
100 to 499 lb	22	11	1	42	17	9	—	S	S	S
500 to 749 lb	11	12	1	49	9	10	—	S	—	—
750 to 999 lb	7	10	1	S	5	8	—	S	S	S
1,000 to 9,999 lb	349	915	29	34	307	860	16	14	25	2
10,000 to 49,999 lb	1 059	7 588	647	71	769	5 292	S	101	S	S
50,000 to 99,999 lb	457	3 552	264	72	323	2 272	76	68	S	S
100,000 lb or more	543	6 057	S	264	371	4 234	121	S	131	12
SCTG 23, Chemical products and preparations, n.e.c.	25 176	9 264	4 174	288	12 351	4 327	99	1 921	771	69
Less than 50 lb	3 043	136	37	273	1 417	75	2	244	14	1
50 to 99 lb	1 317	97	30	305	658	54	1	111	8	1
100 to 499 lb	4 316	457	126	281	2 039	248	6	S	71	7
500 to 749 lb	1 502	223	75	341	759	138	3	S	18	2
750 to 999 lb	773	146	49	340	461	88	2	31	10	1
1,000 to 9,999 lb	5 938	1 724	675	419	2 702	831	20	352	121	11
10,000 to 49,999 lb	6 728	5 055	1 909	364	3 014	2 362	51	336	361	32
50,000 to 99,999 lb	331	625	65	107	S	375	11	48	168	15
100,000 lb or more	S	S	1 209	1 605	S	S	S	—	—	—
SCTG 24, Plastics and rubber	25 237	7 649	3 787	604	10 962	3 557	81	1 824	643	61
Less than 50 lb	3 893	163	115	693	1 971	85	1	189	9	1
50 to 99 lb	1 378	115	48	409	741	71	1	84	8	1
100 to 499 lb	3 803	529	213	402	1 809	325	6	287	42	4
500 to 749 lb	1 166	222	84	368	610	139	3	44	11	1
750 to 999 lb	844	174	84	482	338	89	2	51	12	1
1,000 to 9,999 lb	8 269	2 775	1 097	394	3 509	1 342	32	755	296	27
10,000 to 49,999 lb	5 401	2 820	1 716	546	1 733	1 003	29	385	205	17
50,000 to 99,999 lb	265	411	100	S	S	S	4	20	S	S
100,000 lb or more	S	440	S	371	S	S	2	S	S	S
SCTG 25, Logs and other wood in the rough	6 625	91 982	6 653	64	4 663	74 737	2 238	1 041	11 530	1 249
Less than 50 lb	S	S	S	631	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	7	S	S	263	S	S	S	S	S	S
500 to 749 lb	S	S	S	188	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	488	746	39	58	359	620	17	82	77	8
10,000 to 49,999 lb	1 386	15 870	1 191	75	1 007	13 608	655	108	1 191	134
50,000 to 99,999 lb	3 285	61 922	2 860	48	2 443	51 180	1 183	615	7 928	873
100,000 lb or more	1 451	13 423	2 559	S	846	9 316	383	231	2 331	234
SCTG 26, Wood products	27 947	69 223	30 158	266	9 137	28 100	726	3 528	11 434	1 130
Less than 50 lb	204	14	6	371	90	7	—	37	2	—
50 to 99 lb	147	20	5	238	79	12	—	32	3	—
100 to 499 lb	677	159	30	189	349	99	2	88	22	2
500 to 749 lb	265	88	13	151	163	59	1	30	10	1
750 to 999 lb	197	78	14	173	108	52	1	32	13	1
1,000 to 9,999 lb	3 459	3 156	449	133	2 055	2 155	45	474	364	35
10,000 to 49,999 lb	12 110	23 733	9 600	348	3 665	9 772	268	1 719	3 764	352
50,000 to 99,999 lb	6 238	19 299	5 100	256	1 716	7 094	231	779	3 396	326
100,000 lb or more	4 649	22 676	14 942	1 220	912	S	S	336	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	12 175	16 729	9 494	215	5 401	5 214	134	1 093	1 558	148
Less than 50 lb	220	15	4	337	156	11	—	16	1	—
50 to 99 lb	135	26	3	S	110	22	1	8	1	—
100 to 499 lb	771	222	25	114	617	181	5	43	16	1
500 to 749 lb	250	114	8	67	206	97	3	18	9	1
750 to 999 lb	185	97	13	S	143	74	1	15	10	1
1,000 to 9,999 lb	2 404	1 364	232	162	1 793	964	21	207	124	12
10,000 to 49,999 lb	4 375	6 799	3 588	450	1 564	2 515	68	460	697	65
50,000 to 99,999 lb	1 074	2 066	567	259	368	465	13	124	332	35
100,000 lb or more	2 762	6 026	5 054	908	442	884	23	202	369	33
SCTG 28, Paper or paperboard articles	14 404	16 280	4 011	289	7 391	10 651	278	1 378	1 507	144
Less than 50 lb	581	41	19	481	302	28	—	15	2	—
50 to 99 lb	202	42	7	170	131	32	1	16	3	—
100 to 499 lb	1 138	355	44	123	790	262	6	110	36	3
500 to 749 lb	438	195	23	115	277	145	4	60	19	2
750 to 999 lb	256	144	43	308	139	83	2	37	19	2
1,000 to 9,999 lb	3 832	2 482	395	144	2 296	1 651	34	310	215	20
10,000 to 49,999 lb	7 273	11 650	3 111	272	3 009	S	S	762	1 010	92
50,000 to 99,999 lb	150	361	89	241	56	161	4	16	S	S
100,000 lb or more	534	1 011	279	332	391	695	20	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	24 618	10 334	3 263	492	13 085	7 612	135	1 534	381	35
Less than 50 lb	5 183	379	151	500	2 154	232	5	S	S	S
50 to 99 lb	1 472	226	86	373	687	162	3	81	9	1
100 to 499 lb	4 230	767	399	498	1 967	493	9	167	26	2
500 to 749 lb	1 206	290	196	668	493	125	2	77	25	2
750 to 999 lb	862	203	150	744	328	104	2	41	10	1
1,000 to 9,999 lb	6 400	3 359	1 333	426	4 078	2 436	47	369	140	13
10,000 to 49,999 lb	4 776	4 102	668	135	3 072	3 238	55	215	116	11
50,000 to 99,999 lb	369	481	29	S	248	433	7	S	S	S
100,000 lb or more	119	S	S	S	58	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	61 264	4 275	3 349	1 399	16 386	1 675	37	1 853	246	24
Less than 50 lb	11 587	262	386	1 511	1 552	49	1	324	8	1
50 to 99 lb	3 347	136	186	1 365	715	32	1	81	5	—
100 to 499 lb	8 122	496	398	824	2 664	220	4	299	29	3
500 to 749 lb	3 037	231	166	707	860	104	2	166	22	2
750 to 999 lb	2 684	238	115	480	909	144	4	S	18	2
1,000 to 9,999 lb	20 617	1 636	1 171	698	6 659	770	16	600	94	9
10,000 to 49,999 lb	11 056	942	696	701	2 898	314	8	102	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	1 731	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	15 222	114 167	12 000	340	8 109	85 535	1 656	1 859	11 342	1 125
Less than 50 lb	718	50	32	635	297	24	1	58	5	—
50 to 99 lb	323	45	21	465	108	23	—	33	4	—
100 to 499 lb	1 066	218	85	402	564	129	2	103	25	2
500 to 749 lb	307	87	22	249	163	63	1	29	6	1
750 to 999 lb	182	75	10	132	129	55	1	13	7	1
1,000 to 9,999 lb	2 303	3 621	451	148	1 223	2 894	53	254	278	25
10,000 to 49,999 lb	7 834	74 489	5 715	72	4 418	62 488	1 102	920	4 806	435
50,000 to 99,999 lb	1 668	20 909	2 295	110	760	9 932	287	402	5 418	536
100,000 lb or more	821	14 673	3 369	354	446	9 928	209	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	26 917	21 264	9 648	427	11 522	10 232	235	2 483	2 275	215
Less than 50 lb	1 365	56	S	656	529	29	1	96	4	—
50 to 99 lb	717	58	18	321	373	41	1	31	4	—
100 to 499 lb	2 381	402	85	234	1 352	308	6	204	27	2
500 to 749 lb	990	231	54	232	610	173	4	64	17	2
750 to 999 lb	566	185	34	186	349	140	3	25	14	1
1,000 to 9,999 lb	7 299	3 497	903	241	3 527	2 176	52	608	383	34
10,000 to 49,999 lb	9 649	10 572	4 660	420	3 626	4 579	113	1 053	1 342	126
50,000 to 99,999 lb	1 429	2 228	637	279	377	786	15	S	S	S
100,000 lb or more	2 522	4 036	3 219	1 218	S	S	S	S	S	S
SCTG 33, Articles of base metal	28 179	10 398	6 312	490	11 663	4 182	97	2 132	1 017	93
Less than 50 lb	5 834	162	88	528	2 973	87	2	335	11	1
50 to 99 lb	1 563	96	30	309	795	61	1	118	7	1
100 to 499 lb	4 063	491	190	367	1 777	287	6	303	39	4
500 to 749 lb	1 149	201	98	488	435	106	2	80	16	2
750 to 999 lb	714	161	51	312	324	96	2	50	15	1
1,000 to 9,999 lb	8 059	3 052	1 486	451	3 373	1 564	33	565	238	22
10,000 to 49,999 lb	6 016	5 043	2 673	483	1 790	1 701	43	644	636	57
50,000 to 99,999 lb	285	444	545	1 166	84	126	4	S	S	S
100,000 lb or more	496	747	1 152	1 221	112	155	4	S	S	S
SCTG 34, Machinery	40 942	3 387	3 226	514	15 006	1 261	32	2 417	159	15
Less than 50 lb	7 913	165	96	509	3 751	92	2	649	11	1
50 to 99 lb	2 541	99	40	388	1 277	58	1	196	8	1
100 to 499 lb	7 025	482	301	560	3 026	251	5	496	29	3
500 to 749 lb	1 926	158	86	531	754	73	2	99	11	1
750 to 999 lb	1 274	74	57	764	335	30	1	66	7	1
1,000 to 9,999 lb	11 176	801	737	912	2 781	205	5	678	62	6
10,000 to 49,999 lb	7 921	845	876	1 006	2 158	283	7	229	28	2
50,000 to 99,999 lb	S	90	S	1 010	S	44	1	S	S	S
100,000 lb or more	179	S	S	1 464	118	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	226 446	5 774	6 076	821	66 555	1 850	34	11 250	277	26
Less than 50 lb	68 067	361	273	849	20 581	179	3	2 958	15	1
50 to 99 lb	20 027	238	153	636	6 814	126	2	778	9	1
100 to 499 lb	48 591	894	610	620	17 395	467	8	2 846	38	3
500 to 749 lb	14 136	260	228	874	5 412	107	2	248	15	1
750 to 999 lb	8 535	244	204	831	2 842	102	1	S	10	1
1,000 to 9,999 lb	50 089	2 319	3 280	1 317	9 859	423	9	S	116	11
10,000 to 49,999 lb	16 510	1 359	1 276	954	3 480	380	9	796	72	7
50,000 to 99,999 lb	S	29	26	823	S	S	S	S	S	S
100,000 lb or more	228	S	27	S	132	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	37 148	4 879	2 621	458	14 509	1 657	32	2 566	253	24
Less than 50 lb	4 416	174	80	453	1 986	94	2	355	16	2
50 to 99 lb	1 499	96	41	443	1 593	49	1	193	11	1
100 to 499 lb	6 157	416	194	510	1 996	168	5	670	41	4
500 to 749 lb	2 839	156	61	387	809	47	1	228	14	1
750 to 999 lb	1 384	96	52	554	305	26	1	169	14	2
1,000 to 9,999 lb	8 752	1 035	478	504	3 877	447	10	679	98	10
10,000 to 49,999 lb	7 877	1 368	1 250	791	1 585	435	11	252	49	4
50,000 to 99,999 lb	855	759	305	399	137	32	—	S	S	S
100,000 lb or more	S	779	S	246	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	60 942	496	306	999	S	278	3	360	7	1
Less than 50 lb	6 391	13	11	952	2 003	6	—	165	—	—
50 to 99 lb	S	6	7	1 033	513	3	—	S	—	—
100 to 499 lb	4 326	39	45	1 275	1 527	14	—	41	1	—
500 to 749 lb	899	6	S	643	S	3	—	S	S	S
750 to 999 lb	266	11	S	1 571	S	S	S	S	S	S
1,000 to 9,999 lb	3 778	83	86	968	503	17	1	33	S	S
10,000 to 49,999 lb	S	121	96	1 068	210	39	S	S	S	S
50,000 to 99,999 lb	6 019	7	7	951	S	S	—	—	—	—
100,000 lb or more	30 239	209	34	511	S	191	—	—	—	—
SCTG 38, Precision instruments and apparatus	36 049	501	457	1 387	10 178	144	4	1 102	22	2
Less than 50 lb	13 389	55	70	1 414	2 982	14	—	491	3	—
50 to 99 lb	3 283	20	22	1 092	856	5	—	S	1	—
100 to 499 lb	8 350	91	91	1 079	2 843	32	1	317	5	—
500 to 749 lb	2 275	35	31	885	886	13	—	86	S	S
750 to 999 lb	1 246	20	19	947	461	5	—	S	S	S
1,000 to 9,999 lb	6 805	248	184	743	2 066	72	2	S	S	S
10,000 to 49,999 lb	701	32	40	1 209	S	2	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	11 731	2 227	1 965	773	4 268	799	17	686	158	14
Less than 50 lb	595	31	28	810	212	12	—	44	2	—
50 to 99 lb	585	44	44	1 007	141	16	—	S	2	—
100 to 499 lb	2 143	249	159	630	867	105	2	146	22	2
500 to 749 lb	842	123	71	575	289	50	1	50	10	1
750 to 999 lb	589	100	66	663	223	38	1	20	4	—
1,000 to 9,999 lb	5 057	947	699	728	2 077	374	7	307	70	6
10,000 to 49,999 lb	1 861	674	786	1 108	456	S	S	85	46	4
50,000 to 99,999 lb	S	S	S	1 758	S	S	S	S	S	S
100,000 lb or more	S	S	S	2 068	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	80 561	11 625	7 363	1 411	17 002	3 184	97	S	S	143
Less than 50 lb	20 782	315	407	1 506	3 714	81	2	1 160	16	1
50 to 99 lb	3 954	144	132	905	796	51	1	225	9	1
100 to 499 lb	8 851	614	430	726	2 865	296	7	561	58	5
500 to 749 lb	2 266	252	234	900	555	90	2	123	21	2
750 to 999 lb	1 287	145	98	677	439	64	1	85	13	1
1,000 to 9,999 lb	17 153	3 992	S	881	4 925	1 101	35	1 265	S	30
10,000 to 49,999 lb	S	5 359	2 408	412	S	1 029	31	S	S	S
50,000 to 99,999 lb	436	354	123	350	95	77	2	36	49	5
100,000 lb or more	244	S	43	S	221	S	S	S	S	S
SCTG 41, Waste and scrap .	4 834	29 055	6 315	139	3 177	19 963	354	217	2 041	216
Less than 50 lb	S	S	—	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	12	S	—	—	—	—	—
100 to 499 lb	—	1	S	430	—	—	—	—	—	—
500 to 749 lb	S	S	S	57	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	624	S	S	S	505	S	9	S	S	S
10,000 to 49,999 lb	3 027	15 397	2 410	139	2 028	10 977	207	122	763	74
50,000 to 99,999 lb	344	2 945	494	170	150	1 069	18	S	939	S
100,000 lb or more	835	9 785	3 312	446	S	7 072	120	S	S	S
SCTG 43, Mixed freight.....	47 074	23 679	2 732	424	25 455	12 832	381	9 524	5 195	470
Less than 50 lb	641	33	25	830	284	16	—	51	3	—
50 to 99 lb	290	30	16	575	181	15	—	26	3	—
100 to 499 lb	1 772	405	57	130	1 223	273	5	178	51	5
500 to 749 lb	671	230	33	147	355	137	4	139	44	4
750 to 999 lb	918	246	31	125	377	129	4	134	59	6
1,000 to 9,999 lb	12 119	3 718	433	122	7 319	2 294	65	2 146	674	62
10,000 to 49,999 lb	27 782	17 342	1 819	106	15 228	9 637	295	6 399	4 043	366
50,000 to 99,999 lb	S	S	S	200	S	S	S	S	S	S
100,000 lb or more	S	S	S	58	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	6 641	6 877	1 215	506	2 831	S	S	S	S	S
Less than 50 lb	909	14	8	570	364	8	—	S	1	S
50 to 99 lb	524	11	5	481	393	6	—	4	—	—
100 to 499 lb	S	69	16	S	S	40	1	65	S	S
500 to 749 lb	234	20	10	528	S	8	—	S	S	S
750 to 999 lb	124	21	6	307	35	12	—	S	S	S
1,000 to 9,999 lb	1 354	276	121	413	S	162	4	S	S	S
10,000 to 49,999 lb	1 350	1 361	537	488	317	697	12	64	58	6
50,000 to 99,999 lb	S	S	S	S	34	S	S	S	S	S
100,000 lb or more	S	S	S	403	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	97 354	97 908	19 663	87 884	57 269	23 648	36 120	19 901	15 445	42 015	16 490	18 398
Less than 50 lb	8 818	199	40	14 591	165	71	6 376	82	64	7 338	82	90
50 to 99 lb	3 280	159	30	4 045	102	43	1 865	41	31	3 009	62	67
100 to 499 lb	9 226	881	166	9 540	500	211	5 339	187	146	5 551	250	270
500 to 749 lb	2 896	415	80	3 807	287	117	1 160	94	71	1 981	100	108
750 to 999 lb	1 968	357	73	1 821	208	85	818	72	54	961	72	78
1,000 to 9,999 lb	21 850	6 566	1 276	18 984	3 970	1 614	8 196	1 532	1 138	8 350	1 562	1 689
10,000 to 49,999 lb	34 049	33 629	6 555	26 721	21 060	8 715	9 531	8 276	6 226	8 639	8 064	8 842
50,000 to 99,999 lb	9 002	26 818	5 369	3 396	7 277	2 966	822	2 025	1 512	1 386	988	1 088
100,000 lb or more	6 265	28 884	6 075	4 979	23 700	9 825	2 012	7 592	6 203	4 801	5 310	6 167
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	1 013	7 403	1 836	S	S	S	S	31	22	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	2	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	16	99	S	S	S	S	4	9	7	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	914	6 663	1 616	S	S	S	S	S	S	S	S	S
SCTG 03, Other agricultural products	3 565	3 101	580	1 608	1 588	627	595	567	434	786	863	968
Less than 50 lb	S	S	S	19	—	—	17	S	S	S	S	S
50 to 99 lb	14	3	1	S	S	S	S	S	S	S	S	S
100 to 499 lb	65	S	6	75	8	3	S	S	S	S	5	5
500 to 749 lb	53	33	7	S	8	3	4	2	2	S	S	S
750 to 999 lb	14	S	S	12	3	1	S	S	S	6	S	S
1,000 to 9,999 lb	503	494	96	331	274	102	128	133	96	180	121	136
10,000 to 49,999 lb	1 727	1 585	296	972	1 088	428	261	329	259	500	682	765
50,000 to 99,999 lb	298	335	62	33	56	23	S	S	S	S	S	S
100,000 lb or more	832	598	108	98	149	66	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	1 129	4 944	956	254	883	326	62	S	S	83	278	298
Less than 50 lb	S	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	18	11	2	S	S	S	S	S	S	S	S	S
500 to 749 lb	13	7	1	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	1	—	—	—	—	—
1,000 to 9,999 lb	S	174	31	17	36	14	7	S	S	S	S	S
10,000 to 49,999 lb	651	2 968	583	162	492	179	16	26	19	S	47	52
50,000 to 99,999 lb	150	1 038	209	S	S	S	S	S	S	S	S	S
100,000 lb or more	164	733	127	S	S	S	S	S	S	51	228	241
SCTG 05, Meat, fish, seafood, and their preparations	2 616	976	192	1 980	627	237	824	255	184	1 144	313	304
Less than 50 lb	34	3	1	S	1	—	S	S	S	S	S	S
50 to 99 lb	50	7	1	11	1	1	S	S	S	S	S	S
100 to 499 lb	273	52	10	81	12	5	22	3	2	39	3	4
500 to 749 lb	119	29	6	40	7	3	13	2	2	S	1	1
750 to 999 lb	93	30	6	32	7	2	S	2	1	10	2	2
1,000 to 9,999 lb	1 214	432	83	606	162	65	312	69	50	275	52	55
10,000 to 49,999 lb	830	413	83	1 150	419	154	432	176	126	636	141	133
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	2 511	2 211	391	1 524	1 359	549	626	532	404	785	720	820
Less than 50 lb	5	1	—	S	S	—	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	70	31	5	S	S	S	S	S	S	S	S	S
500 to 749 lb	34	15	3	13	6	3	S	S	1	S	S	S
750 to 999 lb	59	40	9	12	S	2	S	S	S	3	1	1
1,000 to 9,999 lb	748	461	89	381	188	76	66	39	28	119	S	77
10,000 to 49,999 lb	1 429	1 314	222	976	851	344	535	472	359	563	411	454
50,000 to 99,999 lb	93	159	29	S	S	S	S	S	S	S	S	S
100,000 lb or more	67	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	5 958	7 592	1 517	3 292	2 670	1 054	2 420	1 883	1 422	1 184	909	1 010
Less than 50 lb	39	6	1	S	S	1	S	1	1	17	1	1
50 to 99 lb	41	5	1	S	S	S	8	1	1	S	S	S
100 to 499 lb	223	60	11	73	12	5	50	6	5	S	S	S
500 to 749 lb	105	37	7	27	10	4	19	3	2	S	2	2
750 to 999 lb	98	39	8	19	S	S	S	S	S	11	2	2
1,000 to 9,999 lb	1 306	952	181	621	257	104	254	115	87	239	112	121
10,000 to 49,999 lb	3 298	4 117	825	2 156	1 860	716	1 889	1 545	1 147	740	679	755
50,000 to 99,999 lb	753	S	S	214	274	115	45	51	42	5	S	10
100,000 lb or more	95	115	S	S	S	S	131	157	136	S	S	S
SCTG 08, Alcoholic beverages	2 580	1 607	274	1 357	1 237	541	617	574	422	430	493	556
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	57	7	1	S	S	S	S	S	S	S	S	S
100 to 499 lb	140	45	7	61	13	6	S	S	S	S	S	S
500 to 749 lb	27	11	2	15	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	3	1	S	S	S	S	S	S
1,000 to 9,999 lb	200	66	14	120	59	26	S	S	S	13	5	5
10,000 to 49,999 lb	1 506	1 026	182	762	784	325	340	317	235	308	381	420
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	328	328	162	143	208	151	S	S	S
SCTG 09, Tobacco products	399	17	3	88	S	5	7	S	S	S	S	S
Less than 50 lb	26	1	—	S	—	—	S	S	S	S	S	S
50 to 99 lb	28	1	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	215	8	1	5	1	—	S	S	S	—	—	—
500 to 749 lb	S	S	4	4	1	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	10	2	1	—	—	—	—	—	—
1,000 to 9,999 lb	64	4	1	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	28	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	61	10	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	19	715	162	S	289	126	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	3	58	15	S	68	28	—	—	—	S	S	S
50,000 to 99,999 lb	9	403	66	4	144	56	S	S	S	S	S	S
100,000 lb or more	4	251	79	S	S	S	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	28	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	90	35	S	S	S	S	S	S
50,000 to 99,999 lb	11	792	169	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	52	609	120	47	269	103	12	S	S	5	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	1	1
10,000 to 49,999 lb	34	183	34	S	S	S	S	S	S	4	S	S
50,000 to 99,999 lb	4	71	16	3	68	26	S	S	S	S	S	S
100,000 lb or more	8	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	\$	39	8	\$	\$	\$	\$	\$	\$	\$	\$	\$
Less than 50 lb	—	—	—	\$	\$	\$	—	—	—	\$	\$	\$
50 to 99 lb	—	—	—	\$	\$	\$	—	—	—	—	—	—
100 to 499 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	\$	\$	\$	\$	\$	\$	—	—	—	—	—	—
1,000 to 9,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	\$	2	1	\$	\$	\$	\$	\$	\$	\$	\$	\$
50,000 to 99,999 lb	\$	\$	\$	\$	\$	\$	—	—	—	—	—	—
100,000 lb or more	\$	27	5	—	—	—	\$	\$	\$	—	—	—
SCTG 15, Coal	—	—	—	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	2 866	10 648	1 805	1 609	6 072	2 190	\$	\$	\$	\$	\$	\$
Less than 50 lb	—	—	—	—	—	—	\$	\$	\$	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	\$	\$	\$
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	\$	\$	\$	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	\$	14	\$	\$	\$	\$	—	—	—	—	—	—
10,000 to 49,999 lb	145	442	85	\$	\$	\$	\$	\$	\$	—	—	—
50,000 to 99,999 lb	997	3 341	564	289	925	358	\$	\$	\$	—	—	—
100,000 lb or more	1 713	6 849	1 152	1 032	4 330	1 497	—	—	—	—	—	—
SCTG 18, Fuel oils	697	3 819	719	780	\$	\$	\$	\$	\$	\$	\$	\$
Less than 50 lb	—	—	—	\$	\$	\$	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	\$	\$	\$	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	\$	\$	\$	\$	\$	\$	—	—	—	—	—	—
10,000 to 49,999 lb	36	151	31	60	\$	\$	\$	\$	\$	—	—	—
50,000 to 99,999 lb	148	579	106	\$	\$	\$	\$	\$	\$	—	—	—
100,000 lb or more	\$	3 080	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
SCTG 19, Coal and petroleum products, n.e.c.	882	4 070	819	\$	\$	\$	124	270	220	65	184	223
Less than 50 lb	\$	\$	\$	—	—	—	\$	\$	\$	—	—	—
50 to 99 lb	—	—	—	\$	\$	\$	—	—	—	—	—	—
100 to 499 lb	16	17	4	\$	\$	\$	\$	\$	\$	\$	\$	\$
500 to 749 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
750 to 999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	—	—	—
1,000 to 9,999 lb	38	41	7	\$	\$	\$	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	309	838	160	314	522	230	55	57	45	24	33	39
50,000 to 99,999 lb	157	644	115	\$	158	65	\$	\$	\$	—	—	—
100,000 lb or more	354	2 525	532	\$	\$	\$	38	179	152	29	149	181
SCTG 20, Basic chemicals	524	1 043	206	603	533	256	638	374	311	510	150	161
Less than 50 lb	31	1	—	83	4	2	33	\$	\$	\$	\$	\$
50 to 99 lb	17	1	—	81	\$	\$	\$	\$	\$	\$	\$	\$
100 to 499 lb	61	9	2	111	8	3	119	8	\$	\$	3	3
500 to 749 lb	8	\$	\$	\$	\$	\$	61	1	\$	\$	2	2
750 to 999 lb	\$	\$	\$	9	\$	\$	\$	\$	\$	\$	\$	\$
1,000 to 9,999 lb	117	76	13	128	37	14	156	51	39	\$	14	15
10,000 to 49,999 lb	168	602	107	121	216	92	200	160	120	46	38	40
50,000 to 99,999 lb	62	177	33	5	24	10	\$	\$	\$	\$	\$	\$
100,000 lb or more	38	164	47	35	233	129	22	147	138	40	78	86
SCTG 21, Pharmaceutical products	2 403	61	13	942	45	18	373	\$	7	713	23	23
Less than 50 lb	1 006	11	2	453	4	1	221	2	1	345	2	2
50 to 99 lb	405	8	2	90	1	—	\$	1	1	36	1	1
100 to 499 lb	738	17	4	154	6	3	62	\$	\$	143	7	5
500 to 749 lb	\$	3	1	45	4	1	12	—	—	\$	\$	\$
750 to 999 lb	16	1	—	\$	\$	\$	\$	\$	\$	\$	\$	\$
1,000 to 9,999 lb	99	15	3	175	19	8	\$	\$	3	\$	10	11
10,000 to 49,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	200	1 247	241	82	348	162	73	S	S	S	S	S
Less than 50 lb	S	—	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	—	—	S	S	S	S	—	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	13	17	3	10	8	3	S	S	S	S	S	S
10,000 to 49,999 lb	116	833	158	40	154	61	S	46	32	S	S	S
50,000 to 99,999 lb	49	303	59	17	101	48	S	S	S	—	—	—
100,000 lb or more	18	91	20	S	S	S	S	S	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	2 248	818	161	2 947	1 333	535	1 100	435	327	1 001	254	261
Less than 50 lb	275	20	4	366	10	5	146	6	5	S	2	2
50 to 99 lb	151	14	3	102	8	4	S	3	2	74	3	3
100 to 499 lb	356	42	8	334	44	19	171	14	11	99	8	8
500 to 749 lb	111	11	2	S	21	9	S	4	3	43	S	S
750 to 999 lb	S	11	S	43	13	5	S	S	S	45	8	8
1,000 to 9,999 lb	793	212	38	678	252	101	237	69	52	312	65	68
10,000 to 49,999 lb	471	449	90	1 233	964	384	389	319	240	289	156	157
50,000 to 99,999 lb	22	55	12	16	13	6	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber.....	2 374	985	196	2 024	659	273	1 191	343	264	1 172	337	364
Less than 50 lb	195	7	1	299	9	4	146	5	4	116	4	5
50 to 99 lb	80	8	2	101	6	3	39	3	2	37	3	3
100 to 499 lb	270	37	7	236	29	12	96	8	6	161	15	16
500 to 749 lb	120	23	4	80	12	5	46	6	4	37	4	4
750 to 999 lb	78	20	4	55	11	5	67	7	5	44	7	8
1,000 to 9,999 lb	1 013	371	78	679	239	99	433	107	81	432	136	145
10,000 to 49,999 lb	577	448	84	542	313	128	335	180	140	336	154	166
50,000 to 99,999 lb	23	41	9	26	38	16	S	S	S	S	S	S
100,000 lb or more	18	30	7	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	513	4 080	850	75	161	75	55	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	38	40	7	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	131	822	146	50	88	38	25	37	29	S	S	S
50,000 to 99,999 lb	183	2 321	450	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	8	23	30
SCTG 26, Wood products ..	4 745	10 712	2 291	2 348	6 335	2 960	1 508	3 548	2 959	1 208	2 225	2 737
Less than 50 lb	28	1	—	S	1	—	5	S	S	3	—	—
50 to 99 lb	S	S	S	2	—	—	3	—	—	S	S	S
100 to 499 lb	77	19	4	76	8	4	9	2	2	9	S	1
500 to 749 lb	30	11	2	15	3	1	7	S	S	S	S	S
750 to 999 lb	17	5	1	14	4	2	S	S	S	S	—	—
1,000 to 9,999 lb	409	341	65	133	93	39	79	S	S	42	23	24
10,000 to 49,999 lb	1 713	3 530	718	1 192	2 590	1 119	636	1 157	889	507	786	880
50,000 to 99,999 lb	2 045	5 453	1 180	593	1 467	682	363	761	582	186	413	478
100,000 lb or more	409	1 349	321	299	S	S	397	1 524	1 415	451	1 000	1 350
SCTG 27, Pulp, newsprint, paper, and paperboard ...	1 336	2 327	534	1 082	1 902	973	900	1 780	1 448	1 124	2 325	2 631
Less than 50 lb	14	1	—	14	1	—	2	—	—	1	—	—
50 to 99 lb	S	S	S	2	1	—	S	S	S	S	S	S
100 to 499 lb	22	8	1	38	10	5	5	1	S	S	1	1
500 to 749 lb	S	5	1	6	2	1	2	1	1	S	S	S
750 to 999 lb	14	6	1	5	3	1	2	—	—	S	S	S
1,000 to 9,999 lb	161	120	22	94	75	30	29	14	10	29	18	19
10,000 to 49,999 lb	440	697	149	490	697	304	396	674	510	397	749	808
50,000 to 99,999 lb	389	928	202	67	156	70	40	73	60	33	67	78
100,000 lb or more	276	561	157	365	959	561	423	1 017	865	658	1 490	1 724
SCTG 28, Paper or paperboard articles	1 395	1 179	229	1 375	1 278	581	557	391	300	1 001	599	640
Less than 50 lb	16	1	—	22	2	1	10	1	1	11	1	1
50 to 99 lb	13	3	—	9	2	1	4	S	—	2	S	S
100 to 499 lb	105	35	7	35	8	3	13	2	1	18	4	4
500 to 749 lb	43	15	3	23	9	4	5	1	1	13	2	2
750 to 999 lb	22	11	2	17	9	4	8	4	3	S	S	S
1,000 to 9,999 lb	442	282	55	309	183	72	77	41	31	S	56	60
10,000 to 49,999 lb	708	779	152	909	949	432	421	300	226	764	500	535
50,000 to 99,999 lb	S	40	7	27	37	16	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	1 668	403	81	1 813	506	222	760	177	132	813	182	209
Less than 50 lb	535	S	S	298	15	6	143	6	5	163	6	7
50 to 99 lb	69	6	1	145	9	4	60	4	3	120	8	9
100 to 499 lb	362	27	5	414	35	15	163	13	10	183	14	15
500 to 749 lb	71	15	3	131	29	12	91	S	S	38	4	4
750 to 999 lb	45	9	2	41	7	3	36	4	3	S	3	3
1,000 to 9,999 lb	263	96	21	376	120	49	113	33	24	124	46	49
10,000 to 49,999 lb	310	194	37	390	224	90	152	97	72	159	100	120
50,000 to 99,999 lb	S	22	5	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	4 302	582	118	6 739	369	147	1 911	84	65	2 757	126	142
Less than 50 lb	461	10	2	1 186	22	9	485	10	8	549	12	13
50 to 99 lb	81	5	1	242	10	4	184	5	3	144	7	8
100 to 499 lb	358	38	8	601	31	13	300	12	9	444	24	26
500 to 749 lb	129	17	3	193	12	5	62	3	3	376	S	S
750 to 999 lb	118	18	4	177	8	3	56	2	2	68	S	S
1,000 to 9,999 lb	S	192	35	839	74	30	643	28	21	527	30	32
10,000 to 49,999 lb	S	S	S	S	S	S	174	25	20	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	1 599	8 851	1 762	1 186	4 557	1 986	557	1 535	1 190	468	808	868
Less than 50 lb	25	3	—	43	4	2	19	1	1	28	2	2
50 to 99 lb	33	4	1	S	4	1	S	S	S	S	3	3
100 to 499 lb	56	14	3	52	12	5	22	5	4	S	5	6
500 to 749 lb	12	4	1	11	4	2	5	1	1	S	S	S
750 to 999 lb	S	7	1	5	2	1	1	1	1	S	S	S
1,000 to 9,999 lb	274	167	35	128	93	37	72	36	27	99	57	64
10,000 to 49,999 lb	779	3 070	579	706	2 017	839	367	888	661	204	513	545
50,000 to 99,999 lb	330	4 407	844	124	860	338	S	S	S	22	133	134
100,000 lb or more	67	1 175	298	90	1 562	760	S	479	399	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	2 231	2 040	400	2 156	2 190	935	968	975	749	1 718	846	991
Less than 50 lb	44	2	—	82	3	1	S	1	1	54	2	2
50 to 99 lb	32	3	1	60	3	1	8	1	1	38	2	2
100 to 499 lb	116	18	3	90	11	4	58	6	5	84	8	9
500 to 749 lb	45	12	2	34	5	2	S	S	S	28	3	4
750 to 999 lb	32	12	2	27	6	3	6	1	1	18	1	1
1,000 to 9,999 lb	524	319	64	405	206	86	201	71	48	534	101	109
10,000 to 49,999 lb	937	1 026	194	1 162	1 453	594	512	593	438	633	340	366
50,000 to 99,999 lb	354	503	98	222	316	127	S	37	31	S	S	S
100,000 lb or more	S	S	S	73	187	116	97	261	224	310	359	467
SCTG 33, Articles of base metal	2 909	1 283	244	2 373	1 118	464	892	348	260	1 326	447	499
Less than 50 lb	379	13	2	380	9	4	131	3	2	303	7	7
50 to 99 lb	98	10	2	107	4	2	83	3	2	74	1	2
100 to 499 lb	481	50	10	270	29	12	118	10	8	189	12	13
500 to 749 lb	80	18	3	97	17	7	67	8	6	42	3	4
750 to 999 lb	71	15	3	58	9	4	46	7	5	52	6	6
1,000 to 9,999 lb	828	254	46	759	277	122	222	90	69	379	155	170
10,000 to 49,999 lb	900	831	158	637	628	251	202	197	146	244	207	230
50,000 to 99,999 lb	30	26	5	24	S	S	10	16	11	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	14	11	S	S	S
SCTG 34, Machinery	3 180	239	46	2 310	192	83	2 623	107	83	1 219	124	135
Less than 50 lb	569	13	3	504	8	3	190	3	3	192	3	3
50 to 99 lb	198	10	2	S	5	2	S	1	1	S	S	S
100 to 499 lb	535	36	7	310	21	9	154	10	8	361	S	S
500 to 749 lb	178	15	3	185	17	7	98	5	3	54	S	S
750 to 999 lb	63	4	1	44	4	2	46	4	3	33	S	S
1,000 to 9,999 lb	835	84	17	593	86	37	1 617	48	36	348	33	36
10,000 to 49,999 lb	S	75	14	390	47	21	441	16	12	151	30	31
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	10 568	274	54	23 512	711	302	8 036	196	150	9 493	184	200
Less than 50 lb	2 918	22	4	7 189	25	11	2 784	11	8	2 819	10	12
50 to 99 lb	1 204	S	4	1 971	13	5	889	5	4	817	6	6
100 to 499 lb	1 864	49	10	3 845	68	28	2 230	20	16	2 293	26	28
500 to 749 lb	182	11	2	1 452	23	10	365	12	9	585	11	12
750 to 999 lb	155	10	2	627	38	15	111	2	1	S	10	10
1,000 to 9,999 lb	S	103	20	4 125	286	118	1 249	S	S	2 262	82	90
10,000 to 49,999 lb	426	52	10	S	256	114	370	55	45	355	35	38
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	4 121	385	76	5 364	1 588	601	1 345	165	126	1 233	100	110
Less than 50 lb	354	14	3	431	12	5	201	7	5	186	6	7
50 to 99 lb	217	13	3	153	7	3	37	3	2	34	2	2
100 to 499 lb	1 258	88	17	729	35	15	328	16	13	239	12	13
500 to 749 lb	S	43	S	S	28	11	22	4	3	S	4	3
750 to 999 lb	344	19	4	214	13	5	32	5	4	15	S	S
1,000 to 9,999 lb	715	93	21	1 520	196	76	122	36	28	S	25	29
10,000 to 49,999 lb	347	89	16	1 038	212	86	599	S	S	391	43	48
50,000 to 99,999 lb	109	15	3	514	681	251	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	1 383	51	11	730	S	S	637	S	S	4 774	11	12
Less than 50 lb	229	1	—	369	1	—	173	—	—	699	1	1
50 to 99 lb	56	—	—	37	—	—	S	S	S	86	—	—
100 to 499 lb	S	S	S	74	S	S	S	1	1	290	2	2
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	—	—
750 to 999 lb	S	S	S	21	S	S	S	S	S	64	1	1
1,000 to 9,999 lb	S	S	S	S	3	1	S	S	S	S	2	2
10,000 to 49,999 lb	407	23	5	S	S	S	S	4	3	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	1 343	S	S	3 567	72	31	2 003	20	15	2 643	36	38
Less than 50 lb	455	3	1	967	4	2	486	2	2	625	3	3
50 to 99 lb	77	1	—	213	2	1	139	1	1	S	1	2
100 to 499 lb	300	5	1	876	9	4	526	3	3	267	5	5
500 to 749 lb	57	S	S	138	2	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	2	1	S	3	S	S	S	S
1,000 to 9,999 lb	369	S	S	1 099	S	S	537	9	7	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	741	153	31	1 274	206	83	427	66	52	678	144	160
Less than 50 lb	18	1	—	41	2	1	S	1	—	S	S	S
50 to 99 lb	S	3	1	32	3	1	8	1	1	32	2	2
100 to 499 lb	143	22	4	244	22	9	58	7	5	120	21	5
500 to 749 lb	94	16	3	94	15	6	S	4	3	21	4	4
750 to 999 lb	43	9	2	75	19	8	23	3	3	S	6	7
1,000 to 9,999 lb	289	74	15	647	107	43	163	34	27	212	48	51
10,000 to 49,999 lb	113	27	5	141	39	16	56	16	12	194	59	68
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products	S	2 182	440	7 614	869	352	2 836	471	360	2 615	S	S
Less than 50 lb	963	15	3	1 661	22	10	1 030	16	13	925	11	13
50 to 99 lb	234	9	2	321	13	6	96	4	3	S	13	15
100 to 499 lb	515	40	7	573	29	13	483	14	11	289	18	20
500 to 749 lb	326	20	4	191	20	8	45	5	4	103	6	6
750 to 999 lb	S	12	3	158	13	5	19	3	3	31	3	4
1,000 to 9,999 lb	2 655	487	98	S	296	116	692	138	108	568	185	203
10,000 to 49,999 lb	S	S	S	S	377	154	342	211	158	99	S	S
50,000 to 99,999 lb	95	S	18	68	58	24	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	264	2 694	516	464	2 104	920	79	522	441	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S	—	—	—
500 to 749 lb	S	S	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	175	1 340	245	352	S	S	16	34	27	77	S	S
50,000 to 99,999 lb	55	753	162	38	113	47	S	15	11	S	S	S
100,000 lb or more	S	592	107	67	389	164	60	474	403	S	S	S
SCTG 43, Mixed freight	8 481	4 561	977	2 387	740	312	484	136	103	91	34	36
Less than 50 lb	64	2	—	S	2	1	S	—	—	12	—	—
50 to 99 lb	24	3	1	6	1	1	S	S	S	S	—	—
100 to 499 lb	219	48	8	57	15	6	9	2	2	14	2	2
500 to 749 lb	110	29	5	38	10	4	9	4	3	S	S	S
750 to 999 lb	S	36	7	55	11	5	19	S	S	S	S	S
1,000 to 9,999 lb	1 160	446	84	S	170	72	S	83	62	S	S	S
10,000 to 49,999 lb	5 080	3 210	S	772	291	122	47	39	30	S	S	3
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	553	305	57	410	341	135	238	S	S	143	S	S
Less than 50 lb	13	1	—	61	1	1	S	—	—	27	S	S
50 to 99 lb	S	1	S	S	S	S	S	S	S	S	—	—
100 to 499 lb	S	S	S	51	1	1	6	—	—	S	1	1
500 to 749 lb	S	S	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	3	1	—	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	71	18	4	122	19	8	32	S	S	27	6	6
10,000 to 49,999 lb	191	161	23	S	S	S	114	S	71	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	57 203	15 020	23 616	99 005	20 802	47 066	136 958	20 352	58 214
Less than 50 lb	11 282	124	197	21 556	241	507	35 791	360	988
50 to 99 lb	3 236	65	106	4 870	116	246	12 275	156	425
100 to 499 lb	8 652	244	386	11 807	470	975	19 841	603	1 653
500 to 749 lb	2 433	104	163	4 501	199	410	5 472	255	696
750 to 999 lb	1 348	84	128	3 511	182	382	3 984	170	465
1,000 to 9,999 lb	13 363	1 830	2 777	18 948	2 581	5 430	30 826	3 662	10 012
10,000 to 49,999 lb	11 643	5 299	8 315	20 338	8 211	18 282	20 399	8 731	24 893
50,000 to 99,999 lb	249	506	822	2 397	990	2 173	1 639	826	2 315
100,000 lb or more	4 996	6 763	10 721	11 078	7 814	18 661	6 729	5 591	16 768
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 03, Other agricultural products	926	912	1 460	2 193	2 057	4 630	3 681	3 083	8 553
Less than 50 lb	S	S	S	S	S	S	75	2	8
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	4	6	85	S	S	148	S	S
500 to 749 lb	1	—	1	S	2	5	38	6	17
750 to 999 lb	S	1	1	S	3	6	S	4	13
1,000 to 9,999 lb	188	206	322	372	466	1 007	605	752	2 064
10,000 to 49,999 lb	624	524	841	1 359	1 272	2 858	2 624	2 018	5 566
50,000 to 99,999 lb	S	8	12	S	91	212	59	S	S
100,000 lb or more	54	167	273	161	210	510	74	149	451
SCTG 04, Animal feed and products of animal origin, n.e.c.	S	S	S	S	24	50	S	302	874
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	14	22	S	16	33	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	1 290	586	849	1 109	352	740	1 328	243	669
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	6	S	S	S	S	S
100 to 499 lb	25	3	4	41	3	6	87	8	25
500 to 749 lb	17	2	3	16	2	4	46	4	12
750 to 999 lb	25	5	6	S	1	2	S	1	4
1,000 to 9,999 lb	178	37	52	257	39	79	688	97	265
10,000 to 49,999 lb	757	304	450	380	122	253	453	129	352
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	316	169	358	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	512	368	586	574	521	1 199	677	449	1 256
Less than 50 lb	S	S	S	S	S	S	S	1	2
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	3	9
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	45	24	39	107	37	78	198	S	S
10,000 to 49,999 lb	377	244	378	316	219	476	432	327	911
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	1 683	1 447	2 447	4 008	2 657	6 012	2 765	2 553	7 543
Less than 50 lb	S	1	1	17	1	3	29	2	6
50 to 99 lb	7	—	1	5	1	1	21	2	6
100 to 499 lb	38	6	10	41	5	10	76	7	21
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	30	3	7	S	S	S
1,000 to 9,999 lb	131	70	117	291	112	236	256	69	192
10,000 to 49,999 lb	1 245	1 033	1 674	2 959	1 636	3 581	1 394	1 213	3 500
50,000 to 99,999 lb	10	27	49	77	141	325	88	84	240
100,000 lb or more	225	308	591	557	755	1 842	848	1 166	3 553
SCTG 08, Alcoholic beverages	308	333	530	988	607	1 374	1 789	1 079	3 241
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	—	1
500 to 749 lb	S	S	S	S	S	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	15	6	9	75	35	78	S	S	S
10,000 to 49,999 lb	283	326	519	780	491	1 105	1 272	719	2 098
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 09, Tobacco products	S	S	S	S	S	S	17	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	—	—	—	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	9	28	47	28	S	S	42	179	476
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	6	18	29	19	S	S	36	124	330
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	6	39	83	4	12	33

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	\$	\$	\$	\$	\$	\$	\$	\$	\$
Less than 50 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
50 to 99 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
100 to 499 lb	—	—	—	\$	\$	\$	\$	—	—
500 to 749 lb	—	—	—	\$	\$	\$	\$	\$	\$
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
50,000 to 99,999 lb	—	—	—	—	—	—	\$	\$	\$
100,000 lb or more	\$	\$	\$	\$	\$	\$	—	—	—
SCTG 15, Coal	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	\$	2 414	3 484	\$	\$	\$	\$	\$	\$
Less than 50 lb	—	—	—	\$	\$	\$	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
50,000 to 99,999 lb	\$	\$	\$	—	—	—	\$	\$	\$
100,000 lb or more	\$	\$	\$	\$	\$	\$	—	—	—
SCTG 18, Fuel oils	\$	\$	\$	\$	\$	\$	\$	\$	\$
Less than 50 lb	—	—	—	\$	\$	\$	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	\$	\$	\$	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
100,000 lb or more	\$	\$	\$	\$	\$	\$	\$	\$	\$
SCTG 19, Coal and petroleum products, n.e.c.	48	199	303	34	\$	\$	48	66	181
Less than 50 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
50 to 99 lb	—	—	—	\$	\$	\$	\$	\$	\$
100 to 499 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
500 to 749 lb	\$	\$	\$	—	—	—	\$	\$	\$
750 to 999 lb	—	—	—	\$	\$	\$	—	—	—
1,000 to 9,999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
10,000 to 49,999 lb	23	124	181	19	25	37	37	37	94
50,000 to 99,999 lb	—	—	—	\$	\$	\$	—	—	—
100,000 lb or more	\$	\$	\$	\$	\$	\$	\$	\$	\$
SCTG 20, Basic chemicals	493	266	440	859	770	1 909	818	249	731
Less than 50 lb	56	2	3	70	2	5	141	5	13
50 to 99 lb	\$	\$	\$	70	3	5	55	\$	\$
100 to 499 lb	\$	\$	\$	64	\$	\$	109	7	19
500 to 749 lb	16	1	1	\$	\$	\$	\$	\$	\$
750 to 999 lb	\$	\$	\$	\$	\$	\$	\$	\$	\$
1,000 to 9,999 lb	46	14	22	81	13	27	\$	28	78
10,000 to 49,999 lb	\$	69	110	187	96	206	135	64	186
50,000 to 99,999 lb	\$	\$	\$	—	—	—	\$	\$	\$
100,000 lb or more	\$	169	283	375	647	1 646	52	111	335
SCTG 21, Pharmaceutical products	1 341	56	82	1 153	\$	\$	2 224	57	155
Less than 50 lb	308	2	4	521	2	5	1 010	3	9
50 to 99 lb	\$	1	2	100	\$	\$	251	2	4
100 to 499 lb	120	\$	\$	161	2	5	370	4	11
500 to 749 lb	\$	\$	\$	\$	1	\$	\$	1	2
750 to 999 lb	\$	\$	\$	\$	1	2	\$	\$	\$
1,000 to 9,999 lb	\$	\$	\$	177	14	28	296	26	70
10,000 to 49,999 lb	252	18	30	\$	\$	\$	\$	15	40
50,000 to 99,999 lb	—	—	—	—	—	—	\$	\$	\$
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	S	S	S	S	S	S	7	26	69
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S
100 to 499 lb	—	—	—	—	—	—	S	—	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	6	26	69
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	958	S	S	989	340	761	1 662	397	1 118
Less than 50 lb	107	3	4	126	2	5	224	4	10
50 to 99 lb	43	2	4	28	1	3	95	4	10
100 to 499 lb	358	8	13	114	10	20	211	12	33
500 to 749 lb	35	5	6	71	7	15	110	8	23
750 to 999 lb	S	2	3	27	4	8	34	6	16
1,000 to 9,999 lb	161	43	65	210	51	109	492	78	212
10,000 to 49,999 lb	176	122	182	362	159	340	457	163	432
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	103	256	S	120	376
SCTG 24, Plastics and rubber	1 214	259	399	2 020	388	830	2 457	477	1 318
Less than 50 lb	159	7	10	334	16	34	485	20	55
50 to 99 lb	63	3	5	101	6	12	132	8	20
100 to 499 lb	207	16	25	337	29	60	400	28	75
500 to 749 lb	76	S	S	48	7	14	105	13	35
750 to 999 lb	18	4	7	111	11	22	82	11	31
1,000 to 9,999 lb	379	69	104	400	78	163	669	137	369
10,000 to 49,999 lb	306	130	201	657	206	450	531	180	500
50,000 to 99,999 lb	—	—	—	S	S	S	32	14	38
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	46	84	196	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	24	44	104	S	S	S
SCTG 26, Wood products	945	1 368	2 364	2 514	3 192	7 846	2 014	2 307	7 144
Less than 50 lb	2	—	—	7	—	1	9	1	3
50 to 99 lb	3	—	—	5	—	1	4	1	1
100 to 499 lb	17	2	3	S	1	2	39	4	11
500 to 749 lb	S	—	—	4	1	1	7	1	3
750 to 999 lb	S	S	S	S	—	1	S	S	S
1,000 to 9,999 lb	99	27	45	95	31	66	73	23	63
10,000 to 49,999 lb	454	465	761	1 237	976	2 478	987	693	2 134
50,000 to 99,999 lb	99	176	288	302	346	779	155	193	553
100,000 lb or more	264	696	1 262	848	1 837	4 517	733	1 391	4 374
SCTG 27, Pulp, newsprint, paper, and paperboard	307	511	821	532	702	1 596	401	411	1 209
Less than 50 lb	2	—	—	5	—	1	11	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	2	3	8	1	4
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	5	2	3	S	S	S	50	S	S
10,000 to 49,999 lb	147	218	343	300	380	852	183	171	489
50,000 to 99,999 lb	—	—	—	S	42	99	S	S	S
100,000 lb or more	143	286	466	115	256	596	138	206	630
SCTG 28, Paper or paperboard articles	272	170	235	402	179	405	633	326	1 199
Less than 50 lb	S	1	2	S	S	S	S	3	7
50 to 99 lb	1	S	S	S	S	S	S	S	S
100 to 499 lb	4	1	2	28	4	8	34	3	10
500 to 749 lb	4	2	2	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	18	14	19	44	12	24	S	28	80
10,000 to 49,999 lb	199	134	181	180	116	258	321	267	1 028
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	878	114	185	2 080	537	1 080	1 988	420	1 184
Less than 50 lb	327	11	18	481	17	37	591	23	63
50 to 99 lb	68	6	9	109	10	21	134	12	34
100 to 499 lb	152	23	40	497	95	187	326	42	115
500 to 749 lb	56	11	19	160	47	95	89	5	5
750 to 999 lb	S	S	6	191	S	S	S	5	15
1,000 to 9,999 lb	134	21	32	481	264	527	462	S	S
10,000 to 49,999 lb	80	39	60	160	49	98	237	45	126
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	3 871	171	267	9 560	411	872	13 886	611	1 677
Less than 50 lb	1 128	24	37	2 172	47	99	3 730	80	216
50 to 99 lb	257	12	S	765	33	71	877	28	77
100 to 499 lb	490	20	32	990	42	89	1 975	79	216
500 to 749 lb	221	7	12	323	17	37	707	31	85
750 to 999 lb	117	7	11	626	18	37	403	18	49
1,000 to 9,999 lb	1 228	78	120	3 466	180	386	4 397	191	523
10,000 to 49,999 lb	430	22	34	1 082	66	138	1 679	128	357
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	353	427	665	501	481	1 054	590	631	1 694
Less than 50 lb	54	2	4	83	3	6	109	6	16
50 to 99 lb	17	S	S	19	1	3	S	S	S
100 to 499 lb	S	S	S	S	S	S	87	14	37
500 to 749 lb	3	—	1	S	S	S	S	2	5
750 to 999 lb	S	—	—	3	1	1	1	1	2
1,000 to 9,999 lb	73	19	30	113	47	99	67	31	81
10,000 to 49,999 lb	97	207	339	133	215	451	210	287	763
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	279	755
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	1 861	651	1 087	2 355	1 294	2 902	1 622	761	2 135
Less than 50 lb	89	2	4	S	S	S	S	S	S
50 to 99 lb	S	S	S	32	1	3	55	S	S
100 to 499 lb	67	5	9	127	6	12	283	12	34
500 to 749 lb	32	2	3	S	S	S	61	6	16
750 to 999 lb	45	5	8	S	S	S	S	3	10
1,000 to 9,999 lb	S	72	107	222	82	173	465	86	231
10,000 to 49,999 lb	490	196	307	873	628	1 357	363	S	S
50,000 to 99,999 lb	S	S	S	S	25	S	20	50	135
100,000 lb or more	222	302	540	760	533	1 266	110	S	S
SCTG 33, Articles of base metal	2 388	675	1 034	1 920	527	1 448	2 577	801	2 173
Less than 50 lb	309	7	11	448	13	26	577	12	32
50 to 99 lb	90	3	5	80	3	6	119	4	10
100 to 499 lb	153	15	23	399	26	55	372	23	61
500 to 749 lb	S	10	15	S	10	20	75	13	40
750 to 999 lb	28	5	8	29	4	S	S	5	12
1,000 to 9,999 lb	767	154	238	419	115	243	747	205	542
10,000 to 49,999 lb	S	337	495	300	182	395	486	323	898
50,000 to 99,999 lb	S	S	S	S	S	S	86	101	264
100,000 lb or more	81	96	145	S	S	S	59	S	S
SCTG 34, Machinery	3 164	394	593	5 448	389	838	5 573	521	1 401
Less than 50 lb	359	7	11	662	9	18	1 037	19	52
50 to 99 lb	91	S	S	128	3	6	245	5	14
100 to 499 lb	332	19	27	1 080	26	55	731	52	146
500 to 749 lb	168	13	19	197	9	20	194	8	22
750 to 999 lb	316	8	12	156	7	15	214	7	18
1,000 to 9,999 lb	725	86	126	1 330	109	233	2 270	88	242
10,000 to 49,999 lb	1 153	83	128	1 739	191	416	872	90	244
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	19 575	524	798	28 146	583	1 259	49 312	1 176	3 254
Less than 50 lb	4 466	15	25	8 369	33	69	15 984	51	140
50 to 99 lb	1 381	9	14	2 145	16	34	4 027	31	83
100 to 499 lb	4 714	48	77	4 861	73	155	8 543	105	285
500 to 749 lb	1 221	12	18	2 084	22	47	2 587	47	128
750 to 999 lb	472	11	17	1 583	24	50	2 215	38	105
1,000 to 9,999 lb	5 816	234	355	5 125	212	461	14 409	S	S
10,000 to 49,999 lb	1 487	191	285	S	200	437	1 467	118	330
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	66	9	23

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	1 807	157	253	3 138	281	605	3 066	294	793
Less than 50 lb	180	4	7	223	6	12	501	14	38
50 to 99 lb	43	1	2	107	3	6	122	8	21
100 to 499 lb	151	11	17	241	16	34	545	29	78
500 to 749 lb	S	S	S	S	S	18	110	5	13
750 to 999 lb	S	S	S	S	8	17	100	6	16
1,000 to 9,999 lb	467	33	55	688	52	101	381	55	148
10,000 to 49,999 lb	919	101	162	1 488	178	399	1 257	169	456
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	4 604	14	22	11 754	35	80	14 394	53	151
Less than 50 lb	661	1	2	619	1	2	S	2	5
50 to 99 lb	194	1	2	157	—	1	S	1	3
100 to 499 lb	359	3	4	185	2	4	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	—	S
750 to 999 lb	S	—	1	S	S	S	S	S	S
1,000 to 9,999 lb	109	4	6	S	S	S	S	12	35
10,000 to 49,999 lb	S	S	S	145	9	21	S	18	52
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	2 416	25	39	4 417	65	135	8 381	67	184
Less than 50 lb	1 127	5	8	1 972	8	18	4 283	13	37
50 to 99 lb	243	2	3	376	3	6	554	4	10
100 to 499 lb	684	6	9	728	9	19	1 809	17	48
500 to 749 lb	84	S	S	419	6	14	514	4	11
750 to 999 lb	S	S	S	S	S	S	196	3	S
1,000 to 9,999 lb	S	S	S	743	33	67	898	16	42
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	630	161	240	1 303	188	400	1 724	352	968
Less than 50 lb	S	1	2	S	S	S	87	4	11
50 to 99 lb	38	2	3	S	S	S	S	8	22
100 to 499 lb	85	9	14	264	22	47	217	19	51
500 to 749 lb	33	6	9	89	9	18	67	9	25
750 to 999 lb	22	4	5	S	8	17	55	9	23
1,000 to 9,999 lb	249	56	85	398	63	131	715	120	333
10,000 to 49,999 lb	142	61	91	247	74	162	426	153	423
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products ...	3 905	S	S	9 478	739	1 540	11 037	849	2 294
Less than 50 lb	1 767	25	41	4 763	53	112	4 798	76	213
50 to 99 lb	346	8	13	420	14	28	921	23	63
100 to 499 lb	439	27	41	1 285	54	110	1 842	79	216
500 to 749 lb	115	14	22	337	24	49	470	S	S
750 to 999 lb	54	6	9	165	16	33	194	14	40
1,000 to 9,999 lb	945	S	S	1 566	S	S	1 654	S	S
10,000 to 49,999 lb	236	58	92	938	115	246	1 145	157	432
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 41, Waste and scrap .	48	S	S	147	159	355	262	1 010	2 873
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	47	S	S	130	102	236	80	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	125	808	2 294
SCTG 43, Mixed freight	67	9	12	244	50	103	342	121	S
Less than 50 lb	13	1	1	80	5	11	78	4	10
50 to 99 lb	S	S	S	26	4	9	12	2	5
100 to 499 lb	12	1	2	34	6	13	26	S	S
500 to 749 lb	S	S	S	S	—	1	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	1	2
1,000 to 9,999 lb	S	4	6	27	10	20	36	12	35
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	511	56	91	438	62	136	757	101	290
Less than 50 lb	80	1	1	109	1	1	196	2	4
50 to 99 lb	S	—	S	S	S	S	27	1	2
100 to 499 lb	S	1	2	59	2	4	62	2	5
500 to 749 lb	4	—	—	S	S	S	S	1	4
750 to 999 lb	S	S	S	S	S	S	19	1	3
1,000 to 9,999 lb	S	7	10	94	23	49	55	S	S
10,000 to 49,999 lb	S	S	S	S	22	48	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	75	—	1	S	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in

1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

Item	1993	1997
1. Industry coverage	Manufacturers (minor exceptions) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses Auxiliaries (e.g., warehouses)
2. Commodity classification system	Standard Transportation Commodity Classification (STCC), developed by the American Association of Railroads (AAR).	Standard Classification of Transported Goods (SCTG).
3. Sample size	Approximately 200,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1992 Standard Statistical Establishment List (SSEL).	Approximately 100,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1995 Standard Statistical Establishment List (SSEL).
4. Survey methodology	Respondents took a sample of their individual outbound shipments for a 2-week period during each of the four calendar quarters of 1993. Respondents reported key characteristics for each sampled shipment.	Respondents took a sample of their individual outbound shipments for a 1-week period during each of the four calendar quarters of 1997. Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	For each shipment: Total value Total weight Major commodity (STCC) All modes of transportation Multiple origins (respondents specifically requested to report all shipment origins for the sampled establishment and report the appropriate origin for each shipment; assumed to always be the mailing address if no other origins listed). Destination Containerized (Y/N) Hazardous material (Y/N) Export (Y/N) If export, mode of export, foreign country, and city of destination.	For each shipment: Total value Total weight Major commodity (SCTG) All modes of transportation Single origin (assumed to be the mailing address unless the respondent provided a different physical location address). Destination Containerized (Y/N) Hazardous material (UN/NA codes) Export (Y/N) If export, mode of export, foreign country, and city of destination.

Appendix B. Reliability of the Estimates

An estimate based on a sample survey potentially contains two types of errors—sampling and nonsampling. Sampling error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The bias of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. Variance is the squared difference, averaged over all possible samples of the same size and design, between an estimator and its average value. Descriptions of sampling and nonsampling errors for the 1997 Commodity Flow Survey (CFS) are provided in the following sections.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of all the shipments made in 1997 from all establishments included on the CFS sampling frame is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling. (See Appendix C for a description of the sample design.)

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the

sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

An estimate of an unknown population value and its approximate standard error can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability, or confidence, of containing the unknown population value. If, for each possible sample, an estimate of an unknown population value and the estimate's approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the unknown population value.
2. For approximately 95 percent of the possible samples, the interval from two standard errors below to two standard errors above the estimate would include the unknown population value.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources: (1) nonresponse, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) other errors of collection, response, coverage, and processing. Although no direct measurement of the potential biases because of nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize its influence.

A potentially large source of bias in the estimates is due to nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all the selected establishments. Four levels of nonresponse can occur in the CFS: item, shipment, quarter (reporting week), and establishment. Item nonresponse

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been

returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

Some possible sources of bias that are attributed to respondent-conducted sampling include misunderstanding the definition of a shipment, constructing an incomplete frame of shipments from which to sample, ordering the shipment sampling frame by selected shipment characteristics, and selecting shipment records by a method other than the one specified in the questionnaire's instructions. We often contacted respondents who reported shipments having atypically large value or weight when compared to the rest of their reported shipments. Upon contact, if we are able to collect information on all of a given respondent's large shipments made either for a particular reporting week or for the entire quarter, then we identify these large shipments as certainty shipments. (See Appendix C for a description of how certainty shipments are used in the estimation process.)

Table B-1a. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	3.7	—	5.5	—	2.8	—	5.3
Single modes	4.7	.9	5.9	1.0	3.3	1.7	9.8
Truck	4.8	1.3	6.6	1.6	2.3	1.4	12.3
For-hire truck	5.1	1.0	8.2	1.9	2.7	1.3	6.8
Private truck	5.8	1.1	6.8	1.4	5.2	.7	8.4
Rail	5.7	.1	5.9	.3	6.3	1.0	4.5
Water	19.5	.2	17.0	.8	20.8	1.4	20.9
Shallow draft	18.6	—	17.7	.4	30.7	.5	12.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	29.5	.2	29.9	.8	26.2	1.4	19.8
Air (includes truck and air)	18.3	1.2	16.1	—	15.5	.1	2.1
Pipeline	10.6	.2	10.1	.7	S	S	S
Multiple modes	3.3	.7	10.1	.1	7.3	.5	3.5
Parcel, U.S. Postal Service or courier	3.6	.7	4.6	—	7.0	.1	3.5
Truck and rail	25.5	.2	15.0	—	12.6	.4	4.3
Truck and water	15.9	—	19.4	—	15.8	.4	10.4
Rail and water	S	S	S	S	S	S	20.1
Other multiple modes	S	S	S	S	30.3	—	28.4
Other and unknown modes	6.1	.4	15.6	1.0	18.5	1.6	18.7

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	3.7	2.9	5.8	5.5	6.9	9.1	2.8	4.7	5.1	5.3	4.0	7.4
Single modes	4.7	2.4	6.7	5.9	5.8	8.6	3.3	4.2	5.0	9.8	12.1	13.1
Truck	4.8	2.6	6.6	6.6	3.3	7.9	2.3	3.4	4.2	12.3	4.7	13.7
For-hire truck	5.1	4.1	7.2	8.2	7.2	10.1	2.7	4.4	5.1	6.8	4.2	9.4
Private truck	5.8	2.6	8.5	6.8	3.6	8.2	5.2	4.7	8.2	8.4	4.9	10.9
Rail	5.7	8.5	8.5	5.9	8.6	9.8	6.3	6.5	9.0	4.5	8.3	10.9
Water	19.5	17.3	35.6	17.0	24.7	42.2	20.8	27.1	23.0	20.9	7.5	13.4
Shallow draft	18.6	19.4	47.0	17.7	30.2	41.3	30.7	25.2	67.2	12.1	46.2	83.3
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	29.5	20.3	43.6	29.9	27.1	65.7	26.2	29.8	22.9	19.8	5.5	11.4
Air (includes truck and air)	18.3	9.8	49.1	16.1	16.1	34.6	15.5	17.2	36.7	2.1	4.2	5.1
Pipeline	10.6	26.1	26.7	10.1	36.0	28.3	S	S	S	S	S	S
Multiple modes	3.3	9.9	14.6	10.1	25.9	29.8	7.3	20.4	22.0	3.5	4.3	6.7
Parcel, U.S. Postal Service or courier	3.6	6.2	11.0	4.6	11.2	14.4	7.0	11.6	17.9	3.5	4.2	6.7
Truck and rail	25.5	S	S	15.0	33.6	45.4	12.6	39.4	39.2	4.3	7.8	7.7
Truck and water	15.9	10.9	34.9	19.4	S	S	15.8	24.2	25.8	10.4	5.9	9.7
Rail and water	S	S	S	S	S	S	S	S	S	20.1	21.7	29.9
Other multiple modes	S	S	S	S	S	S	30.3	S	S	28.4	S	S
Other and unknown modes ...	6.1	15.8	14.2	15.6	20.6	22.9	18.5	23.5	24.8	18.7	19.8	24.2

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1c. **Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Division: Percent of Total 1997 and 1993**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes	.9	1.5	1.0	1.0	1.7	2.1
Truck	1.3	1.3	1.6	2.3	1.4	2.0
For-hire truck	1.0	1.0	1.9	1.6	1.3	1.7
Private truck	1.1	1.0	1.4	2.0	.7	.7
Rail	.1	.2	.3	.3	1.0	1.2
Water	.2	.2	.8	.8	1.4	2.3
Shallow draft	—	—	.4	.5	.5	.2
Great Lakes	—	—	—	—	—	—
Deep draft	.2	.1	.8	.5	1.4	2.3
Air (includes truck and air)	1.2	.5	—	—	.1	.1
Pipeline	.2	.6	.7	1.6	S	S
Multiple modes	.7	1.2	.1	.2	.5	1.1
Parcel, U.S. Postal Service or courier	.7	.6	—	—	.1	.1
Truck and rail	.2	S	—	.1	.4	1.2
Truck and water	—	—	—	S	.4	.5
Rail and water	S	S	S	S	S	S
Other multiple modes	S	S	S	S	—	S
Other and unknown modes	.4	1.1	1.0	.9	1.6	1.9

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-2. **Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Division: 1997**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	2.8	—	5.2
Truck	2.3	1.4	12.0
Rail	6.2	1.1	3.3
Shallow draft	29.7	.5	10.3
Great Lakes	S	S	22.4
Deep draft	18.7	1.4	13.3
Air	15.5	.1	2.2
Parcel, U.S. Postal Service or courier	7.0	.1	3.5
Pipeline	S	S	S
Other and unknown modes	18.5	1.6	18.7

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	3.7	—	5.5	—	2.8	—
Less than 50 miles	3.9	1.2	7.4	1.5	7.4	.5
50 to 99 miles	11.3	.6	6.3	.5	5.6	.2
100 to 249 miles	8.7	.5	8.2	.7	7.8	.6
250 to 499 miles	6.8	.3	10.9	.5	9.7	1.0
500 to 749 miles	3.7	.1	9.1	.1	8.8	.5
750 to 999 miles	8.9	.3	11.2	.2	9.9	.8
1,000 to 1,499 miles	7.2	.3	11.5	.1	10.7	1.0
1,500 to 1,999 miles	6.1	.5	8.5	.1	8.2	1.2
2,000 miles or more	6.2	.7	3.5	.1	3.7	.9
Single modes	4.7	—	5.9	—	3.3	—
Less than 50 miles	4.8	1.4	8.0	1.7	7.7	.6
50 to 99 miles	12.5	.6	6.6	.6	5.5	.2
100 to 249 miles	10.7	.7	7.5	.7	6.6	.6
250 to 499 miles	7.9	.4	11.3	.6	10.1	1.2
500 to 749 miles	5.5	.2	10.4	.1	9.9	.6
750 to 999 miles	12.4	.4	12.6	.2	10.8	1.0
1,000 to 1,499 miles	10.1	.4	13.6	.1	12.4	1.1
1,500 to 1,999 miles	7.5	.4	10.8	.1	10.5	1.4
2,000 miles or more	8.9	.9	5.1	—	5.1	1.0
Truck	4.8	—	6.6	—	2.3	—
Less than 50 miles	3.1	1.2	8.6	1.4	8.2	1.0
50 to 99 miles	13.4	.7	5.4	.5	5.1	.3
100 to 249 miles	11.5	.7	5.0	.5	5.1	.4
250 to 499 miles	9.0	.4	6.3	.3	6.4	.7
500 to 749 miles	5.6	.2	6.5	.1	6.3	.4
750 to 999 miles	7.3	.2	9.5	.2	8.8	.7
1,000 to 1,499 miles	9.0	.4	4.7	—	4.6	.4
1,500 to 1,999 miles	6.6	.3	4.1	—	4.0	.7
2,000 miles or more	10.1	.6	6.2	—	6.3	1.1
For-hire truck	5.1	—	8.2	—	2.7	—
Less than 50 miles	5.9	1.5	13.3	2.4	11.6	.7
50 to 99 miles	11.0	.6	8.5	.9	8.8	.4
100 to 249 miles	13.9	1.0	5.6	1.1	5.3	.5
250 to 499 miles	10.5	.9	7.6	.6	7.9	.7
500 to 749 miles	5.4	.3	4.9	.2	4.9	.4
750 to 999 miles	7.5	.4	3.8	.2	3.8	.4
1,000 to 1,499 miles	10.0	.6	5.7	.1	5.6	.5
1,500 to 1,999 miles	7.9	.6	4.9	.2	4.8	.8
2,000 miles or more	11.9	1.1	7.0	.2	7.2	1.2
Private truck	5.8	—	6.8	—	5.2	—
Less than 50 miles	4.2	1.6	7.6	1.0	6.6	1.9
50 to 99 miles	20.3	1.4	9.4	.6	8.8	.8
100 to 249 miles	14.9	.9	9.3	.4	10.9	1.3
250 to 499 miles	10.1	.3	11.7	.3	11.4	1.2
500 to 749 miles	12.7	.1	19.9	.1	18.7	1.1
750 to 999 miles	19.8	.1	45.5	.3	43.9	2.5
1,000 to 1,499 miles	11.3	.1	13.0	—	12.8	.4
1,500 to 1,999 miles	16.4	.2	12.9	—	13.2	.8
2,000 miles or more	14.4	.3	27.8	—	26.6	2.0
Rail	5.7	—	5.9	—	6.3	—
Less than 50 miles	14.8	.8	28.9	3.6	41.2	.3
50 to 99 miles	23.2	.3	S	S	S	S
100 to 249 miles	13.7	.7	19.3	1.8	17.1	.4
250 to 499 miles	15.4	1.3	21.1	3.1	18.4	1.4
500 to 749 miles	10.3	.8	16.8	1.6	18.0	1.3
750 to 999 miles	9.7	1.2	8.3	1.0	8.3	1.0
1,000 to 1,499 miles	12.4	.9	12.1	.6	11.6	1.0
1,500 to 1,999 miles	8.9	1.8	11.2	1.6	11.1	1.8
2,000 miles or more	9.7	1.6	10.2	1.0	10.2	2.2
Water	19.5	—	17.0	—	20.8	—
Less than 50 miles	32.4	7.3	27.5	8.1	46.7	2.9
50 to 99 miles	40.0	.8	S	S	S	S
100 to 249 miles	39.5	3.0	36.0	5.5	37.2	6.3
250 to 499 miles	46.9	6.2	S	S	48.6	7.7
500 to 749 miles	31.5	.5	45.0	.2	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	46.9	4.0	49.9	2.1	49.3	8.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	25.5	1.0	49.0	.3	S	S
Shallow draft	18.6	—	17.7	—	30.7	—
Less than 50 miles	23.7	9.0	27.2	9.1	22.6	10.8
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	49.3	6.4	36.4	7.7	37.9	9.8
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	43.9	1.2	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	29.5	—	29.9	—	26.2	—
Less than 50 miles	43.7	9.2	37.8	11.0	S	S
50 to 99 miles	39.4	.8	S	S	S	S
100 to 249 miles	34.6	3.9	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	47.4	.4	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	46.9	7.0	49.9	8.2	49.3	9.1
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	25.5	1.6	49.0	.6	S	S
Air (includes truck and air)	18.3	—	16.1	—	15.5	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	28.2	.5	24.1	1.9	25.5	.2
100 to 249 miles	18.0	.9	S	S	41.3	.5
250 to 499 miles	14.3	1.7	22.4	1.5	23.1	.5
500 to 749 miles	19.4	.9	22.4	.6	23.4	.4
750 to 999 miles	34.6	1.4	31.0	1.9	30.8	1.4
1,000 to 1,499 miles	30.8	2.2	23.8	2.4	24.6	2.9
1,500 to 1,999 miles	23.8	3.2	13.1	1.3	13.0	1.6
2,000 miles or more	17.1	5.0	24.5	3.8	23.5	4.1
Pipeline	10.6	—	10.1	—	S	S
Less than 50 miles	15.3	7.2	14.0	7.3	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	29.1	5.7	34.6	5.7	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	3.3	—	10.1	—	7.3	—
Less than 50 miles	5.9	.9	38.8	3.7	33.9	.2
50 to 99 miles	8.6	.4	15.0	.9	18.5	.1
100 to 249 miles	7.0	.6	27.1	3.1	36.7	1.1
250 to 499 miles	5.2	.7	15.2	.9	15.7	.3
500 to 749 miles	6.5	.3	17.1	.5	19.6	.3
750 to 999 miles	6.9	.3	9.6	.8	9.4	.5
1,000 to 1,499 miles	5.6	.3	11.6	.8	11.2	.7
1,500 to 1,999 miles	9.8	1.3	13.1	2.1	14.4	2.5
2,000 miles or more	4.4	.7	7.7	1.7	8.0	2.2
Parcel, U.S. Postal Service or courier	3.6	—	4.6	—	7.0	—
Less than 50 miles	6.0	.8	7.1	1.3	7.6	—
50 to 99 miles	9.2	.5	10.9	.6	10.9	.1
100 to 249 miles	7.7	.6	8.9	.9	8.6	.2
250 to 499 miles	5.4	.7	7.3	.5	7.2	.2
500 to 749 miles	6.8	.3	6.8	.3	6.9	.2
750 to 999 miles	7.3	.3	13.3	.5	12.6	.4
1,000 to 1,499 miles	6.1	.4	8.8	.6	8.9	.7
1,500 to 1,999 miles	7.2	.8	16.4	1.8	16.0	2.4
2,000 miles or more	4.6	.6	8.3	1.1	7.9	1.9
Truck and rail	25.5	—	15.0	—	12.6	—
Less than 50 miles	33.7	1.2	45.6	4.1	39.9	.2
50 to 99 miles	38.1	.5	45.3	.6	47.6	—
100 to 249 miles	32.8	.9	S	S	48.7	.6
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	22.7	1.1	34.2	1.0	36.4	.5
750 to 999 miles	14.8	1.6	11.4	1.4	11.4	1.0
1,000 to 1,499 miles	30.0	1.6	25.7	1.3	23.9	1.2
1,500 to 1,999 miles	44.5	6.3	17.6	3.2	17.2	3.1
2,000 miles or more	13.6	3.9	13.3	3.1	13.4	3.6
Truck and water	15.9	—	19.4	—	15.8	—
Less than 50 miles	S	S	35.8	1.5	36.6	—
50 to 99 miles	22.6	1.6	27.2	2.2	28.3	.5
100 to 249 miles	18.7	3.1	48.1	5.5	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	40.1	1.1	48.9	.7	S	S
750 to 999 miles	23.4	.7	33.2	.9	33.0	.9
1,000 to 1,499 miles	17.0	1.2	21.6	1.7	21.5	1.5
1,500 to 1,999 miles	38.3	4.0	23.7	1.2	48.5	3.5
2,000 miles or more	14.1	4.8	14.4	5.2	14.2	4.5

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	S	S	S	S	S	S
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	S	S	S	S	30.3	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	39.3	12.7	42.8	13.4	43.4	10.9
Other and unknown modes	6.1	—	15.6	—	18.5	—
Less than 50 miles	7.0	2.9	19.9	5.2	20.1	1.8
50 to 99 miles	14.1	.6	S	S	S	S
100 to 249 miles	43.9	2.2	31.6	1.3	33.1	.8
250 to 499 miles	22.5	1.4	S	S	S	S
500 to 749 miles	21.9	.6	35.9	1.0	31.3	.9
750 to 999 miles	23.5	.9	S	S	S	S
1,000 to 1,499 miles	13.9	1.0	42.5	1.4	44.8	3.5
1,500 to 1,999 miles	20.5	1.6	26.2	.9	25.9	2.4
2,000 miles or more	20.6	1.0	17.5	1.2	17.5	3.8

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	3.7	—	5.5	—	2.8	—	5.3
Less than 50 lb	3.7	.6	3.1	—	5.6	—	5.4
50 to 99 lb	6.2	.4	4.7	—	5.9	—	6.4
100 to 499 lb	3.1	.5	3.6	—	3.6	—	4.3
500 to 749 lb	5.7	.2	4.3	—	7.6	—	6.5
750 to 999 lb	5.9	.1	3.8	—	6.6	—	7.1
1,000 to 9,999 lb	4.7	.8	3.4	.4	11.4	1.1	8.5
10,000 to 49,999 lb	9.6	1.4	5.5	1.2	2.3	1.2	5.6
50,000 to 99,999 lb	8.1	.3	7.9	1.3	3.9	.5	7.6
100,000 lb or more	12.8	1.0	9.6	1.7	7.2	1.8	7.6
Single modes	4.7	—	5.9	—	3.3	—	9.8
Less than 50 lb	7.3	.4	6.1	—	16.5	—	12.9
50 to 99 lb	9.8	.4	6.2	—	12.4	—	12.5
100 to 499 lb	4.0	.6	3.9	—	4.7	—	6.4
500 to 749 lb	6.3	.3	4.3	—	6.6	—	6.5
750 to 999 lb	6.3	.1	4.2	—	6.2	—	7.8
1,000 to 9,999 lb	5.1	.9	3.5	.4	8.4	.8	7.5
10,000 to 49,999 lb	10.2	1.5	5.9	1.3	3.0	1.5	5.7
50,000 to 99,999 lb	8.4	.4	8.1	1.2	4.2	.6	6.6
100,000 lb or more	14.5	1.2	10.6	1.6	8.5	2.0	8.2
Truck	4.8	—	6.6	—	2.3	—	12.3
Less than 50 lb	4.0	.3	6.4	—	22.4	—	19.2
50 to 99 lb	6.3	.2	6.4	—	10.7	—	11.1
100 to 499 lb	3.0	.6	4.0	—	3.8	—	5.8
500 to 749 lb	5.6	.3	4.3	—	7.0	—	7.1
750 to 999 lb	6.4	.1	4.2	—	6.3	—	8.0
1,000 to 9,999 lb	5.4	1.1	3.5	.5	8.6	1.1	7.9
10,000 to 49,999 lb	10.4	1.5	5.9	1.4	2.9	1.1	5.8
50,000 to 99,999 lb	5.7	.3	8.2	1.3	4.3	.7	6.7
100,000 lb or more	15.4	.4	23.5	1.6	13.6	1.1	7.8
For-hire truck	5.1	—	8.2	—	2.7	—	6.8
Less than 50 lb	8.0	.3	15.2	—	30.8	—	8.2
50 to 99 lb	13.8	.4	7.0	—	14.2	—	8.2
100 to 499 lb	6.0	.8	5.7	—	5.0	—	4.2
500 to 749 lb	8.7	.4	7.2	—	8.5	—	5.5
750 to 999 lb	9.8	.3	11.6	—	7.7	—	8.4
1,000 to 9,999 lb	8.6	1.4	4.6	.5	11.8	1.5	6.6
10,000 to 49,999 lb	8.1	1.3	7.2	1.3	3.4	1.3	5.4
50,000 to 99,999 lb	4.9	.4	12.5	1.7	5.3	.7	8.9
100,000 lb or more	20.8	.7	16.6	1.7	16.5	1.2	14.3
Private truck	5.8	—	6.8	—	5.2	—	8.4
Less than 50 lb	4.1	.4	7.2	—	17.1	—	16.4
50 to 99 lb	3.6	.2	7.2	—	16.7	—	17.1
100 to 499 lb	3.4	.8	4.7	.1	6.7	.1	8.7
500 to 749 lb	4.8	.3	5.5	—	7.7	—	7.5
750 to 999 lb	7.8	.2	5.5	—	7.1	—	7.0
1,000 to 9,999 lb	7.6	1.7	4.8	.7	6.7	.8	3.9
10,000 to 49,999 lb	15.4	2.5	7.5	1.6	7.2	1.6	9.8
50,000 to 99,999 lb	9.5	.5	12.5	2.0	7.6	1.9	8.6
100,000 lb or more	12.8	.2	10.1	.9	15.0	1.1	14.4
Rail	5.7	—	5.9	—	6.3	—	4.5
Less than 50 lb	S	S	S	S	33.8	—	39.2
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	33.7	—	45.3	—	16.9
500 to 749 lb	S	S	S	S	S	S	20.0
750 to 999 lb	S	S	38.4	—	39.0	—	20.6
1,000 to 9,999 lb	39.2	.6	24.5	—	25.7	—	4.4
10,000 to 49,999 lb	11.0	2.2	10.4	.4	10.3	.9	3.6
50,000 to 99,999 lb	13.7	.7	30.7	1.8	12.3	.4	36.1
100,000 lb or more	8.0	2.3	6.6	1.8	6.8	1.1	3.9
Water	19.5	—	17.0	—	20.8	—	20.9
Less than 50 lb	S	S	39.1	—	S	S	25.5
50 to 99 lb	34.9	.1	29.6	—	25.9	—	35.3
100 to 499 lb	S	S	37.3	—	49.6	—	13.9
500 to 749 lb	S	S	34.3	—	48.9	—	28.8
750 to 999 lb	33.7	—	34.9	—	45.3	—	17.4
1,000 to 9,999 lb	16.4	1.2	S	S	27.6	.2	S
10,000 to 49,999 lb	23.0	2.6	41.8	2.8	S	S	39.7
50,000 to 99,999 lb	35.7	.3	43.6	.1	43.8	1.0	22.8
100,000 lb or more	21.7	3.4	17.6	3.5	23.8	5.1	22.0
Shallow draft	18.6	—	17.7	—	30.7	—	12.1
Less than 50 lb	S	S	46.1	—	S	S	28.0
50 to 99 lb	S	S	S	S	S	S	20.2
100 to 499 lb	S	S	S	S	S	S	19.8
500 to 749 lb	S	S	S	S	S	S	20.2
750 to 999 lb	S	S	S	S	S	S	24.0
1,000 to 9,999 lb	S	S	S	S	S	S	21.4
10,000 to 49,999 lb	S	S	36.6	.3	S	S	21.0
50,000 to 99,999 lb	S	S	43.2	—	46.8	—	24.8
100,000 lb or more	20.3	4.6	17.7	.3	30.8	.4	14.3

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	29.5	—	29.9	—	26.2	—	19.8
Less than 50 lb	S	S	39.8	—	S	S	24.2
50 to 99 lb	44.0	.2	33.1	—	29.4	—	46.5
100 to 499 lb	S	S	36.0	.2	49.8	.4	14.2
500 to 749 lb	S	S	39.6	.2	S	S	19.7
750 to 999 lb	38.8	.4	35.3	.2	45.5	.5	17.3
1,000 to 9,999 lb	17.5	4.5	S	S	28.7	3.9	S
10,000 to 49,999 lb	27.2	4.3	43.1	5.2	S	S	39.4
50,000 to 99,999 lb	39.9	.5	45.6	1.3	44.1	3.0	22.8
100,000 lb or more	34.2	7.4	31.2	7.8	30.8	10.0	28.3
Air (includes truck and air)	18.3	—	16.1	—	15.5	—	2.1
Less than 50 lb	18.5	3.5	10.8	.7	12.1	.9	2.6
50 to 99 lb	33.9	2.5	19.4	.8	22.1	1.1	4.0
100 to 499 lb	15.8	2.9	16.6	2.8	17.4	3.0	3.8
500 to 749 lb	16.0	1.6	21.7	1.2	17.8	1.1	7.4
750 to 999 lb	23.1	.6	19.2	.6	15.4	.7	10.3
1,000 to 9,999 lb	16.9	2.7	25.7	2.7	31.3	3.9	4.5
10,000 to 49,999 lb	S	S	20.5	2.3	23.0	2.6	9.2
50,000 to 99,999 lb	42.7	1.5	S	S	37.2	1.4	S
100,000 lb or more	42.6	6.6	43.9	4.1	S	S	16.0
Pipeline	10.6	—	10.1	—	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	48.6	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S
100,000 lb or more	10.7	.4	10.1	.3	S	S	S
Multiple modes	3.3	—	10.1	—	7.3	—	3.5
Less than 50 lb	4.2	1.2	4.9	1.0	4.2	.9	3.8
50 to 99 lb	5.0	.9	4.1	.5	5.2	.3	4.6
100 to 499 lb	6.1	.7	5.6	.7	7.9	.6	3.4
500 to 749 lb	9.4	.2	12.7	.4	23.7	.4	8.9
750 to 999 lb	10.5	.2	20.4	.2	24.5	.3	6.6
1,000 to 9,999 lb	45.4	1.1	20.1	.7	19.2	.7	6.8
10,000 to 49,999 lb	17.7	.6	7.4	2.7	10.7	2.9	5.4
50,000 to 99,999 lb	20.9	—	44.9	2.2	25.6	.8	33.8
100,000 lb or more	33.4	.3	30.4	4.3	17.2	2.0	13.9
Parcel, U.S. Postal Service or courier	3.6	—	4.6	—	7.0	—	3.5
Less than 50 lb	4.2	1.2	5.0	1.8	4.2	2.2	3.8
50 to 99 lb	5.1	.9	4.2	.6	5.3	.7	4.5
100 to 499 lb	6.2	.7	5.9	1.2	8.2	1.2	3.5
500 to 749 lb	10.0	.2	13.4	.8	25.0	1.2	9.7
750 to 999 lb	10.6	.2	23.5	.8	28.0	1.1	7.9
1,000 to 9,999 lb	S	S	S	S	S	S	20.3
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	25.5	—	15.0	—	12.6	—	4.3
Less than 50 lb	S	S	S	S	S	S	19.8
50 to 99 lb	S	S	S	S	S	S	19.8
100 to 499 lb	35.6	.1	35.8	—	39.5	—	12.4
500 to 749 lb	33.1	.1	35.1	—	44.3	—	18.0
750 to 999 lb	41.3	—	44.7	—	48.0	—	16.1
1,000 to 9,999 lb	S	S	17.1	.2	19.3	.3	5.5
10,000 to 49,999 lb	23.1	5.3	12.2	4.2	14.4	3.4	4.4
50,000 to 99,999 lb	22.1	.9	30.3	1.7	27.0	.6	18.5
100,000 lb or more	17.8	1.8	29.3	4.2	19.0	3.3	13.4
Truck and water	15.9	—	19.4	—	15.8	—	10.4
Less than 50 lb	34.6	.8	31.8	—	S	S	14.8
50 to 99 lb	39.8	.9	42.8	—	S	S	15.9
100 to 499 lb	27.2	1.3	24.2	.4	16.5	.2	25.4
500 to 749 lb	34.6	1.2	22.0	.2	26.2	.2	14.3
750 to 999 lb	37.8	.7	21.9	.3	30.5	.4	13.4
1,000 to 9,999 lb	32.8	4.3	12.6	1.6	14.8	1.8	9.0
10,000 to 49,999 lb	13.4	4.3	11.7	5.4	13.9	4.1	8.9
50,000 to 99,999 lb	43.4	1.4	S	S	41.7	2.2	48.2
100,000 lb or more	33.4	.9	40.5	4.1	47.4	4.2	16.3

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	S	S	S	S	S	S	20.1
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	S	S	47.5	4.0	S	S	20.2
Other multiple modes	S	S	S	S	30.3	—	28.4
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	22.0
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	31.3	15.2	34.6	15.8	39.8	9.7	20.6
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	47.1	8.6	46.5
Other and unknown modes	6.1	—	15.6	—	18.5	—	18.7
Less than 50 lb	8.8	1.1	6.1	—	26.3	—	27.7
50 to 99 lb	23.9	.8	12.1	—	28.6	—	37.2
100 to 499 lb	19.0	1.2	14.8	.2	21.3	—	33.9
500 to 749 lb	38.6	.8	28.0	.1	S	S	20.0
750 to 999 lb	15.2	.1	24.8	—	22.4	—	26.0
1,000 to 9,999 lb	14.0	2.8	25.1	2.4	39.4	4.7	10.1
10,000 to 49,999 lb	11.1	2.6	17.9	3.3	23.6	3.7	9.4
50,000 to 99,999 lb	30.8	.9	42.7	1.7	31.4	2.8	30.8
100,000 lb or more	16.5	2.8	20.8	5.8	24.4	5.6	18.7

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	3.7	—	5.5	—	2.8	—	5.3
01	Live animals and live fish	S	S	S	S	S	S	18.7
02	Cereal grains	15.2	.1	16.9	.8	23.2	.5	29.0
03	Other agricultural products	9.1	.2	11.1	.3	9.6	.8	35.1
04	Animal feed and products of animal origin, n.e.c.	15.3	—	15.8	.3	21.2	.3	18.8
05	Meat, fish, seafood, and their preparations	9.0	.3	16.6	.1	16.5	.2	31.1
06	Milled grain products and preparations, and bakery products	11.9	.2	19.1	.2	19.3	.5	S
07	Other prepared foodstuffs and fats and oils	4.4	.2	10.9	.5	7.3	.8	9.7
08	Alcoholic beverages	10.5	.2	11.7	.1	26.6	.8	23.5
09	Tobacco products	18.3	—	31.8	—	35.4	—	22.2
10	Monumental or building stone	S	S	42.4	—	S	S	S
11	Natural sands	18.1	—	26.3	.6	23.6	.2	26.9
12	Gravel and crushed stone	10.7	—	14.1	1.7	14.8	.5	22.2
13	Nonmetallic minerals n.e.c.	S	S	30.5	.2	44.4	.4	34.9
14	Metallic ores and concentrates	38.1	—	S	S	46.6	.1	44.0
15	Coal	S	S	S	S	S	S	23.5
17	Gasoline and aviation turbine fuel	10.1	.4	9.9	1.1	22.9	1.2	18.1
18	Fuel oils	8.7	.1	12.1	.7	28.7	.1	21.5
19	Coal and petroleum products, n.e.c.	13.4	—	19.0	.7	19.1	.3	36.8
20	Basic chemicals	12.4	.1	25.8	.3	9.7	.2	17.2
21	Pharmaceutical products	11.7	.3	20.2	—	25.4	—	10.7
22	Fertilizers	10.1	—	29.7	.4	47.9	.6	11.3
23	Chemical products and preparations, n.e.c.	6.5	.1	11.4	.1	15.8	.3	13.2
24	Plastics and rubber	5.0	.1	8.6	—	10.5	.2	11.2
25	Logs and other wood in the rough	9.7	—	23.7	1.0	18.2	.5	16.1
26	Wood products	6.0	.2	13.2	.9	8.3	1.1	8.8
27	Pulp, newsprint, paper, and paperboard	7.0	—	7.7	.1	9.7	.4	31.9
28	Paper or paperboard articles	5.9	—	26.6	.3	13.1	.3	14.1
29	Printed products	5.9	.2	10.8	.1	20.9	.2	12.3
30	Textiles, leather, and articles of textiles or leather	11.6	.7	12.2	—	10.3	.2	4.5
31	Nonmetallic mineral products	5.3	—	11.1	.7	8.4	.4	17.6
32	Base metal in primary or semifinished forms and in finished basic shapes	9.0	.3	13.8	.3	14.8	.7	15.0
33	Articles of base metal	7.6	.2	9.5	—	13.5	.4	12.1
34	Machinery	8.2	.3	18.4	—	30.4	.3	11.1
35	Electronic and other electrical equipment and components and office equipment	8.7	1.3	16.2	—	28.6	.8	6.4
36	Motorized and other vehicles (including parts)	11.9	.5	14.9	—	16.2	.2	11.2
37	Transportation equipment, n.e.c.	24.9	1.2	21.0	—	13.8	—	9.1
38	Precision instruments and apparatus	10.8	.4	16.9	—	17.6	—	4.7
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	13.4	.1	14.5	—	16.2	.1	10.4
40	Miscellaneous manufactured products	29.1	1.6	27.2	.2	42.8	1.1	5.7
41	Waste and scrap	14.4	—	16.8	.4	21.3	.6	27.2
43	Mixed freight	30.2	1.1	37.0	.6	38.5	.4	19.4
—	Commodity unknown	21.6	.1	42.1	.2	29.2	.1	19.9

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	3.7	—	5.5	—	2.8	—	5.3
010	Live animals and live fish	S	S	S	S	S	S	18.7
021	Wheat	20.6	—	20.8	.5	29.6	.3	13.7
022	Corn, except sweet	34.4	.1	34.1	.7	S	S	19.9
029	Other cereal grains	36.1	—	S	S	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	36.5	—	39.8	.1	45.8	—	42.3
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	15.3	.1	19.7	.1	33.0	.5	48.0
033	Fresh, chilled, or dried edible fruit and nuts	13.0	.1	11.2	—	14.0	.5	30.8
034	Soya beans	S	S	S	S	S	S	S
035	Oil seeds and nuts, except olives and soya beans	S	S	45.7	—	50.0	—	20.2
036	Bulbs, live plants, and seeds for sowing, n.e.c.	21.2	—	19.3	—	19.9	.1	17.4
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	23.5	.1	21.2	—	27.3	.5	44.3
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	17.3	—	23.8	.2	23.7	.2	26.3
042	Animal feed preparations	20.0	—	20.2	.2	27.9	.2	18.7
051	Meat including poultry, except preparations	10.3	.2	20.1	.1	22.4	.1	46.3
052	Fish, except live, and seafood, except preparations	19.3	.2	18.6	—	27.8	.2	25.3
053	Preparations, extracts, and juices of meat, fish, or seafood	28.8	—	32.6	—	37.7	—	S
061	Wheat flour, groats, and meal	46.2	—	S	S	S	S	16.1
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	24.8	—	31.9	—	31.5	.3	31.1
063	Food preparations of cereals, flour, starch, or milk	18.2	—	22.4	—	26.6	.1	35.9
064	Bakery products	16.7	.2	26.0	.1	19.3	.1	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	9.6	.1	22.1	.3	17.6	.3	32.4
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	10.7	.1	10.4	.1	11.5	.6	14.3
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	20.2	—	19.7	—	24.4	—	22.5
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	28.1	—	33.3	—	42.7	.1	24.7
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	22.2	—	22.6	—	34.8	.2	26.8
076	Confectionery, cocoa, and cocoa preparations	13.7	—	16.8	—	25.9	—	44.8
077	Edible preparations, n.e.c. and vinegar	18.0	—	11.5	—	17.1	.2	13.5
078	Nonalcoholic beverages, n.e.c. and ice	10.2	—	28.0	.4	34.8	.2	34.8
081	Malt Beer	11.6	—	14.2	.1	28.1	.2	9.1
082	Wine and other fermented beverages	18.4	.2	22.1	—	36.1	.7	16.5
083	Spirituos beverages and ethyl alcohol	18.4	—	31.8	—	S	S	30.9
090	Tobacco products	18.3	—	31.8	—	35.4	—	22.2
100	Monumental or building stone, except dolomite	S	S	42.4	—	S	S	S
110	Natural sands, except metal-bearing	18.1	—	26.3	.6	23.6	.2	26.9
120	Gravel and crushed stone, except dolomite and slate	10.7	—	14.1	1.7	14.8	.5	22.2
131	Salt	S	S	S	S	S	S	33.4
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	39.9
133	Dolomite	46.1	—	42.9	—	S	S	28.7
139	Other nonmetallic minerals	14.1	—	25.8	—	S	S	28.0
141	Iron ores and concentrates	S	S	S	S	S	S	21.6
149	Other metallic ores and concentrates	38.1	—	S	S	47.2	.1	38.3
151	Nonagglomerated bituminous coal	S	S	S	S	S	S	21.2
159	Other coal	S	S	S	S	S	S	22.4
171	Gasoline	10.6	.4	10.8	1.1	24.6	1.2	19.5
172	Aviation turbine fuel (types A and B)	14.1	—	14.6	.2	30.4	.1	45.8
180	Fuel oils	8.7	.1	12.1	.7	28.7	.8	21.5
191	Lubricating oils and greases	31.6	—	S	S	S	S	S
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	42.1	—	48.2	.3	37.7	.1	29.1
193	Gaseous hydrocarbons	17.2	—	14.0	—	27.2	.1	S
199	Other products of petroleum refining, and coal products	21.4	—	26.2	.8	26.8	.2	32.0
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	24.3	—	18.5	—	25.5	—	26.0
202	Inorganic chemicals, n.e.c.	15.8	—	33.3	.3	12.5	.2	23.9
203	Cyclic hydrocarbons	32.6	—	29.4	—	S	S	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	20.3	—	16.4	—	37.0	—	18.7
205	Organic chemicals, n.e.c.	22.7	—	16.6	—	23.0	.1	14.2
210	Pharmaceutical products	11.7	.3	20.2	—	25.4	—	10.7
220	Fertilizers and fertilizer materials	10.1	—	29.7	.4	47.9	.6	11.3
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	18.5	—	17.3	—	19.1	.1	29.4
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	19.8	.1	16.3	—	17.6	—	32.1
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	26.3	—	36.8	—	30.9	.1	25.7
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	27.3	—	31.9	—	38.2	—	17.9
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	18.7	—	15.2	—	39.7	—	20.0
239	Other chemical products and preparations	35.0	.1	24.8	—	37.6	.3	21.6
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	18.2	—	22.8	—	30.6	—	29.9
242	Manmade fibers and plastics basic shapes and articles	6.3	.1	8.2	—	12.1	.2	13.1

See footnotes at end of table.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	18.1	—	24.1	—	17.8	—	13.5
250	Logs and other wood in the rough	9.7	—	23.7	1.0	18.2	.5	16.1
261	Wood chips or particles	44.5	—	39.6	.6	49.8	.4	31.1
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	7.6	.1	9.5	.3	8.0	.6	9.8
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	9.0	—	12.2	.2	11.7	.5	13.1
264	Builders' joinery and carpentry of wood, except shingles and shakes	10.1	—	14.5	—	19.2	—	20.0
269	Other wood products	16.6	—	31.2	.1	28.0	.2	13.1
271	Pulp of fibrous cellulosic materials	17.9	—	15.5	—	22.7	—	28.2
272	Newsprint in large rolls or sheets	27.0	—	29.4	—	29.4	.3	23.6
273	Uncoated paper and paperboard in large rolls or sheets	10.7	—	11.1	—	14.4	.3	17.9
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	16.1	—	20.0	—	21.8	—	27.0
280	Paper or paperboard articles	5.9	—	26.6	.3	13.1	.3	14.1
291	Printed books, brochures, leaflets, and similar printed products	11.4	—	13.3	—	16.1	—	8.2
292	Newspapers, journals, and periodicals	9.3	—	13.8	—	36.3	—	17.2
293	Advertising material, commercial or trade catalogues, and similar printed products	11.8	—	19.4	—	40.7	.2	11.0
299	Other printed products	10.7	—	11.1	—	14.4	—	17.7
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	10.8	—	18.8	—	18.5	—	14.0
302	Textile clothing and accessories, and headgear, except safety	18.9	.7	14.6	—	18.9	.2	4.2
303	Textiles and textile articles, n.e.c.	9.2	—	22.9	—	16.9	—	8.6
304	Footwear	40.7	.2	43.3	—	S	S	7.5
305	Leather and articles, luggage of related materials, and dressed furskins and articles	21.4	—	35.8	—	41.1	—	7.7
311	Hydraulic cements	13.2	—	13.4	.2	18.3	.2	5.1
312	Ceramic products	20.5	—	27.3	—	39.0	.1	14.0
313	Glass and glass products	13.1	—	20.0	.1	16.1	—	17.7
319	Other nonmetallic mineral products	10.2	—	14.7	.7	12.2	.3	13.0
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	22.5	—	25.5	—	29.0	—	34.8
322	Flat-rolled products of iron or steel	18.4	.1	24.5	.2	18.1	.2	20.1
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	29.1	.2	17.7	.1	35.2	.6	20.7
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	8.4	.1	14.0	—	12.1	.2	13.4
331	Pipes, tubes, and fittings	10.7	—	14.4	—	23.6	.2	12.6
332	Structures and parts, except prefabricated buildings	19.0	—	20.2	—	36.1	.2	16.8
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	12.7	.1	12.3	—	20.8	.1	13.5
339	Other articles of metal	14.6	—	16.7	—	23.6	.1	15.5
341	Internal-combustion piston engines	15.1	—	28.1	—	25.6	—	13.8
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	S	S	14.7	—	31.0	—	19.4
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	13.8	—	13.1	—	21.8	—	13.9
344	Air-conditioning, refrigerating, or freezing equipment	18.6	—	17.3	—	24.6	—	S
345	Materials-handling, excavating, boring, and related machinery and equipment	17.4	—	16.7	—	25.5	—	23.4
349	Other machinery	8.8	.2	32.6	—	45.5	.3	13.7
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	23.9	.1	22.6	—	28.7	—	24.7
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	31.3	—	29.4	—	31.7	—	17.2
353	Line telephone or telegraph apparatus	48.6	.9	46.5	—	48.1	.1	9.6
354	Electronic entertainment products, except parts	35.7	.6	50.0	—	S	S	5.2
355	Computer and office equipment	11.7	.7	14.2	—	12.8	—	6.5
356	Prepared unrecorded or prerecorded media	14.6	.1	24.3	—	34.6	—	7.2
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	22.6	—	31.0	—	37.3	—	9.6
358	Electronic components and parts	8.5	.4	15.2	—	25.4	—	6.7
359	Other electronic and electrical equipment	9.3	.4	22.3	—	21.4	—	16.2
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	41.2	.2	38.9	—	36.9	—	20.3
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	33.8	.1	43.7	—	30.6	—	33.5
363	Other vehicles	20.4	.1	19.8	—	35.6	—	10.1
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	13.7	.3	19.2	—	18.9	.1	11.6
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	44.5	—	45.8	—	S	S	18.2
372	Aircraft and spacecraft	25.8	1.2	16.4	—	19.2	—	8.4
373	Ships, boats, and floating structures	17.3	—	20.7	—	21.4	—	27.5
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	22.9	—	23.1	—	30.6	—	7.6
382	Photographic and photocopying machines	24.7	.1	34.9	—	34.8	—	10.9
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	23.7	—	32.7	—	36.3	—	13.6
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	21.9	.3	30.2	—	33.7	—	6.2

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	14.4	.2	19.6	—	28.1	—	6.7
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	13.4	.1	14.5	—	16.2	.1	10.4
401	Arms and ammunition	33.4	—	40.6	—	S	S	16.7
402	Toys, games, and sporting equipment	S	S	S	S	34.3	.2	4.4
409	Miscellaneous manufactured products	11.1	.5	25.8	.2	S	S	7.2
411	Metallic waste and scrap	17.8	—	21.4	.2	28.6	.2	29.9
412	Nonmetallic waste and scrap, except from food processing	26.7	—	22.0	.4	27.7	.5	S
439	Mixed freight	30.2	1.1	37.0	.6	38.5	.4	19.4
—	Commodity unknown	21.6	.1	42.1	.2	29.2	.1	19.9

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	3.7	—	5.5	—	2.8	—	5.3
Single modes	4.7	.9	5.9	1.0	3.3	1.7	9.8
Truck	4.8	1.3	6.6	1.6	2.3	1.4	12.3
For-hire truck	5.1	1.0	8.2	1.9	2.7	1.3	6.8
Private truck	5.8	1.1	6.8	1.4	5.2	.7	8.4
Rail	5.7	.1	5.9	.3	6.3	1.0	4.5
Water	19.5	.2	17.0	.8	20.8	1.4	20.9
Shallow draft	18.6	—	17.7	.4	30.7	.5	12.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	29.5	.2	29.9	.8	26.2	1.4	19.8
Air (includes truck and air)	18.3	1.2	16.1	—	15.5	.1	2.1
Pipeline	10.6	.2	10.1	.7	S	S	S
Multiple modes	3.3	.7	10.1	.1	7.3	.5	3.5
Parcel, U.S. Postal Service or courier	3.6	.7	4.6	—	7.0	.1	3.5
Truck and rail	25.5	.2	15.0	—	12.6	.4	4.3
Truck and water	15.9	—	19.4	—	15.8	.4	10.4
Rail and water	S	S	S	S	S	S	20.1
Other multiple modes	S	S	S	S	30.3	—	28.4
Other and unknown modes	6.1	.4	15.6	1.0	18.5	1.6	18.7
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	S	S	S	S	S	S	18.7
Single modes	S	S	S	S	S	S	19.0
Truck	S	S	S	S	S	S	21.4
For-hire truck	—	—	—	—	—	—	—
Private truck	S	S	S	S	S	S	21.4
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	18.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.4
SCTG 02, CEREAL GRAINS							
Total	15.2	—	16.9	—	23.2	—	29.0
Single modes	17.5	8.2	18.8	8.6	27.0	7.4	26.1
Truck	18.9	5.2	20.5	4.9	26.8	6.6	20.0
For-hire truck	24.0	3.7	26.7	3.7	31.6	6.5	23.6
Private truck	32.4	3.2	19.6	2.7	21.3	.7	16.5
Rail	29.8	2.4	30.4	2.4	49.0	6.3	26.4
Water	22.3	7.2	22.4	7.6	41.1	9.0	14.5
Shallow draft	28.2	6.7	28.7	7.2	41.3	9.3	13.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	44.3	4.9	46.7	5.1	41.1	1.0	29.8
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	34.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.3
Truck and rail	46.8	.2	S	S	S	S	21.1
Truck and water	S	S	S	S	S	S	39.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	30.5	8.4	31.4	8.9	46.7	6.5	25.8

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	9.1	—	11.1	—	9.6	—	35.1
Single modes	9.9	1.3	12.5	2.8	9.5	3.4	41.4
Truck	9.8	1.8	12.3	3.2	11.0	3.3	45.4
For-hire truck	10.9	4.3	12.6	4.2	15.4	4.3	9.0
Private truck	16.0	4.2	17.5	4.0	29.8	5.4	S
Rail	21.4	.5	22.0	.6	22.1	2.2	5.9
Water	S	S	S	S	S	S	34.1
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	33.7
Air (includes truck and air)	30.4	.4	49.4	.2	S	S	12.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	16.6	.6	19.9	.4	21.7	1.9	6.1
Parcel, U.S. Postal Service or courier	32.0	.4	46.1	—	S	S	7.8
Truck and rail	28.1	.6	24.5	.4	26.7	1.8	9.2
Truck and water	33.6	.2	38.9	.1	37.9	.5	18.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	17.1	1.3	25.8	2.9	35.6	3.6	15.7
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	15.3	—	15.8	—	21.2	—	18.8
Single modes	14.8	1.6	15.8	1.5	23.9	4.6	21.5
Truck	15.0	2.8	16.1	2.7	24.4	5.0	21.6
For-hire truck	19.6	4.1	23.4	4.6	32.3	5.3	16.0
Private truck	17.1	5.1	18.9	5.4	19.9	4.8	11.0
Rail	S	S	S	S	48.9	2.1	24.9
Water	S	S	S	S	S	S	39.0
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	39.0
Air (includes truck and air)	S	S	47.5	—	S	S	21.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	40.4	.4	40.9	3.7	16.8
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.2
Truck and rail	S	S	S	S	S	S	22.6
Truck and water	S	S	S	S	S	S	20.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	38.6	1.2	36.0	1.5	S	S	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	9.0	—	16.6	—	16.5	—	31.1
Single modes	9.5	1.2	16.9	1.0	16.7	3.1	27.7
Truck	9.9	1.8	15.9	1.5	16.6	5.5	18.7
For-hire truck	16.1	3.6	16.3	3.8	21.4	5.3	13.4
Private truck	11.6	4.2	22.0	3.9	12.2	4.6	14.5
Rail	S	S	S	S	S	S	21.8
Water	31.1	.8	45.3	.8	S	S	15.8
Shallow draft	S	S	46.7	.4	S	S	23.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	37.4	.8	S	S	S	S	13.5
Air (includes truck and air)	22.9	.3	23.2	.1	20.6	.6	12.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	25.9	.5	33.2	.4	48.1	1.9	16.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.3
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	29.0	.3	39.1	.3	S	S	21.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	27.5	1.2	29.5	1.0	S	S	S

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	11.9	—	19.1	—	19.3	—	S
Single modes	12.1	.6	19.4	.9	20.0	2.8	S
Truck	12.1	.9	19.1	1.4	15.3	4.3	S
For-hire truck	19.9	4.2	31.8	4.7	17.1	4.4	41.2
Private truck	15.8	4.4	20.2	5.0	25.2	3.8	38.5
Rail	34.0	.7	41.2	1.3	39.1	4.7	13.1
Water	43.5	.2	S	S	46.7	.5	20.0
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	43.5	.2	S	S	46.7	.5	20.0
Air (includes truck and air)	42.1	—	49.1	—	S	S	27.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	20.6	.4	20.9	.6	25.8	2.8	11.5
Parcel, U.S. Postal Service or courier	S	S	43.0	—	S	S	17.6
Truck and rail	29.4	.3	26.4	.4	33.8	1.7	14.5
Truck and water	21.8	.1	28.5	.2	31.5	1.6	27.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	26.8	.5	26.1	.7	30.1	.5	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	4.4	—	10.9	—	7.3	—	9.7
Single modes	4.6	1.6	11.3	.7	7.1	2.1	13.9
Truck	5.0	1.8	12.2	1.4	8.4	2.8	16.3
For-hire truck	8.0	2.6	14.5	3.9	11.8	3.5	10.4
Private truck	7.1	3.1	19.4	4.3	16.1	2.6	8.1
Rail	10.4	.5	9.2	.6	10.8	2.6	3.1
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	29.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	35.1	—	27.1	—	33.2	—	14.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	41.8	1.6	18.6	.5	22.6	2.1	11.8
Parcel, U.S. Postal Service or courier	25.7	.2	29.1	—	28.2	—	15.4
Truck and rail	S	S	20.3	.3	20.8	1.3	9.9
Truck and water	16.3	.2	24.2	.3	29.4	.9	24.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	21.5
Other and unknown modes	28.6	.6	36.1	.6	24.6	.4	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	10.5	—	11.7	—	26.6	—	23.5
Single modes	9.8	1.4	11.0	1.3	24.3	4.3	30.6
Truck	9.7	2.7	10.5	2.9	19.8	7.6	9.0
For-hire truck	14.5	2.9	17.3	3.0	20.0	6.2	23.6
Private truck	8.5	3.1	8.8	4.2	26.9	3.7	10.7
Rail	40.8	1.6	37.4	1.8	S	S	16.6
Water	S	S	S	S	S	S	21.2
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.2
Air (includes truck and air)	S	S	S	S	S	S	17.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	31.7	1.3	35.8	1.2	38.2	4.2	23.8
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.8
Truck and rail	41.6	1.2	44.8	1.1	43.7	4.2	13.2
Truck and water	35.4	.3	40.0	.4	S	S	27.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	34.6	.3	39.4	.5	S	S	27.0

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	18.3	—	31.8	—	35.4	—	22.2
Single modes	18.8	3.2	32.5	3.3	35.6	5.7	10.4
Truck	18.4	3.2	32.5	3.3	35.5	5.7	9.6
For-hire truck	S	S	S	S	S	S	S
Private truck	18.8	3.5	32.8	3.6	34.9	5.8	8.9
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	48.3	5.3	21.6
Parcel, U.S. Postal Service or courier	S	S	S	S	48.3	5.3	21.6
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	49.6	2.4	S	S	S	S	20.2
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	S	S	42.4	—	S	S	S
Single modes	S	S	42.8	5.5	S	S	21.5
Truck	S	S	42.7	5.5	S	S	21.5
For-hire truck	47.0	10.8	48.8	10.2	47.9	10.4	25.7
Private truck	S	S	S	S	S	S	26.8
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	49.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	42.6
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.9
SCTG 11, NATURAL SANDS							
Total	18.1	—	26.3	—	23.6	—	26.9
Single modes	18.5	1.8	26.6	.9	24.5	1.8	27.9
Truck	19.2	2.3	28.3	3.8	27.5	4.3	28.4
For-hire truck	35.3	6.4	23.0	5.9	20.5	6.0	S
Private truck	20.4	6.4	12.7	6.4	35.6	5.5	44.7
Rail	32.2	1.3	41.9	.6	36.7	3.7	22.5
Water	S	S	S	S	S	S	19.7
Shallow draft	S	S	S	S	S	S	19.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	23.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.2
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	41.7	1.8	S	S	S	S	32.9

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	10.7	—	14.1	—	14.8	—	22.2
Single modes	11.0	1.2	14.6	1.6	15.3	1.5	21.9
Truck	11.3	1.9	15.1	2.3	16.8	4.5	21.8
For-hire truck	26.2	4.7	31.7	5.0	28.4	5.1	20.0
Private truck	16.6	5.1	12.9	4.8	25.5	5.6	S
Rail	S	S	S	S	S	S	21.1
Water	S	S	S	S	S	S	21.1
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	47.1	1.2	S	S	S	S	31.9
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	S	S	30.5	—	44.4	—	34.9
Single modes	S	S	32.6	5.6	18.8	10.1	37.8
Truck	S	S	32.9	5.5	19.5	9.9	27.1
For-hire truck	17.9	6.8	24.0	5.5	22.5	7.7	36.8
Private truck	S	S	46.4	7.2	31.3	6.4	22.2
Rail	46.9	1.3	44.4	.9	45.5	3.7	17.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	38.8	1.9	39.7	1.1	40.4	3.5	24.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.2
Truck and rail	47.8	1.6	45.7	.9	45.3	3.4	19.9
Truck and water	S	S	S	S	S	S	20.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	39.5	3.8	S	S	S	S	29.0
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	38.1	—	S	S	46.6	—	44.0
Single modes	41.9	6.8	S	S	S	S	S
Truck	47.5	7.4	47.7	14.6	S	S	S
For-hire truck	41.9	9.4	40.4	12.1	S	S	19.2
Private truck	S	S	S	S	S	S	S
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	21.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	46.8
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	42.5
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	40.2

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	\$	\$	\$	\$	\$	\$	23.5
Single modes	—	—	—	—	—	—	—
Truck	—	—	—	—	—	—	—
For-hire truck	—	—	—	—	—	—	—
Private truck	—	—	—	—	—	—	—
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	\$	\$	\$
Multiple modes	—	—	—	—	—	—	—
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	\$	\$	\$	\$	\$	\$	23.5
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	10.1	—	9.9	—	22.9	—	18.1
Single modes	10.2	.2	9.9	.1	23.0	.3	17.6
Truck	12.5	4.3	11.0	4.6	18.6	8.5	19.0
For-hire truck	17.7	2.7	17.3	2.9	36.7	4.8	39.5
Private truck	13.6	3.8	13.0	3.9	17.9	7.4	7.7
Rail	48.2	.3	47.0	.4	47.0	4.0	20.5
Water	\$	\$	\$	\$	44.9	9.6	30.9
Shallow draft	\$	\$	\$	\$	\$	\$	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	\$	\$	\$	\$	47.5	9.5	24.9
Air (includes truck and air)	\$	\$	\$	\$	\$	\$	21.8
Pipeline	13.6	2.9	12.9	3.2	\$	\$	\$
Multiple modes	\$	\$	\$	\$	\$	\$	\$
Parcel, U.S. Postal Service or courier	\$	\$	\$	\$	\$	\$	22.4
Truck and rail	\$	\$	\$	\$	\$	\$	21.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	\$	\$	\$	\$	\$	\$	21.4
Other and unknown modes	47.3	.2	49.5	.1	\$	\$	35.1
SCTG 18, FUEL OILS							
Total	8.7	—	12.1	—	28.7	—	21.5
Single modes	9.3	1.9	11.9	.9	29.4	1.9	19.6
Truck	12.6	5.5	13.7	5.8	23.8	10.1	13.8
For-hire truck	26.8	4.2	23.9	4.3	37.9	6.6	\$
Private truck	11.6	4.4	11.5	4.3	16.8	6.2	10.5
Rail	35.5	.7	37.8	.8	\$	\$	27.9
Water	28.1	1.7	29.2	2.2	49.1	6.3	29.6
Shallow draft	34.2	1.1	40.3	1.4	35.3	2.2	19.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	42.0	1.5	41.9	1.8	\$	\$	25.4
Air (includes truck and air)	\$	\$	\$	\$	\$	\$	22.4
Pipeline	20.0	4.4	21.0	4.7	\$	\$	\$
Multiple modes	\$	\$	\$	\$	\$	\$	\$
Parcel, U.S. Postal Service or courier	\$	\$	\$	\$	\$	\$	22.4
Truck and rail	\$	\$	\$	\$	\$	\$	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	\$	\$	\$	\$	\$	\$	25.9
Other and unknown modes	38.3	1.9	43.1	.8	\$	\$	\$

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	13.4	—	19.0	—	19.1	—	36.8
Single modes	11.8	3.8	20.1	2.9	15.2	5.6	24.1
Truck	10.5	5.2	21.3	5.9	15.0	6.8	17.0
For-hire truck	18.2	4.5	25.9	5.7	17.6	4.9	21.5
Private truck	11.6	3.9	17.1	4.6	13.8	2.4	12.5
Rail	24.0	1.4	26.4	2.0	30.8	4.7	17.7
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	S	S	S	S	S	S	20.7
Pipeline	39.7	3.0	44.3	3.7	S	S	S
Multiple modes	25.5	1.2	31.4	.8	29.2	2.8	S
Parcel, U.S. Postal Service or courier	43.4	.3	48.9	—	42.9	—	S
Truck and rail	S	S	S	S	S	S	S
Truck and water	38.9	1.1	39.8	.3	37.8	2.3	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	S	S	S	S	S	S	S
SCTG 20, BASIC CHEMICALS							
Total	12.4	—	25.8	—	9.7	—	17.2
Single modes	14.7	4.1	26.6	1.8	10.1	1.3	28.0
Truck	16.0	4.1	31.0	3.0	17.3	5.5	29.9
For-hire truck	21.2	3.9	11.0	4.0	21.8	4.5	12.1
Private truck	17.2	3.2	42.9	5.2	25.9	2.5	27.6
Rail	18.2	1.8	13.4	2.8	15.0	6.2	9.0
Water	S	S	S	S	S	S	21.5
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.5
Air (includes truck and air)	S	S	45.0	—	39.9	—	14.2
Pipeline	41.5	.1	36.3	.9	S	S	S
Multiple modes	30.7	3.8	26.8	.3	25.2	1.2	12.5
Parcel, U.S. Postal Service or courier	33.1	3.8	46.7	.3	45.5	.4	12.8
Truck and rail	32.0	.4	36.5	.2	37.5	1.2	17.9
Truck and water	S	S	S	S	35.7	—	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	29.8	.9	S	S	S	S	41.7
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	11.7	—	20.2	—	25.4	—	10.7
Single modes	14.2	3.6	24.1	4.7	30.4	5.8	27.4
Truck	15.8	3.7	24.6	4.6	23.8	6.1	22.0
For-hire truck	13.8	3.5	24.9	5.3	27.3	7.4	14.4
Private truck	21.9	4.0	36.5	6.0	S	S	12.7
Rail	S	S	S	S	S	S	22.4
Water	S	S	S	S	S	S	22.2
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.2
Air (includes truck and air)	26.7	2.0	47.0	.6	46.0	1.9	6.7
Pipeline	—	—	—	—	S	S	S
Multiple modes	16.0	3.4	14.1	3.2	14.9	4.4	15.5
Parcel, U.S. Postal Service or courier	16.2	3.3	15.6	3.3	17.5	4.5	15.6
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	46.5	.5	36.7	.4	S	S	27.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	20.3

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	10.1	—	29.7	—	47.9	—	11.3
Single modes	9.6	3.1	32.7	3.8	49.0	3.3	10.1
Truck	10.7	4.8	36.6	5.9	37.8	13.0	9.0
For-hire truck	16.4	3.8	20.6	4.8	20.2	8.6	23.4
Private truck	14.7	5.4	45.9	6.3	S	S	9.8
Rail	40.2	1.5	S	S	S	S	17.6
Water	S	S	S	S	S	S	S
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	45.6	.4	48.8	3.2	48.5
Parcel, U.S. Postal Service or courier	39.0	—	37.1	—	38.4	—	S
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	45.7	.4	48.8	3.2	22.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	49.5	3.2	S	S	S	S	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	6.5	—	11.4	—	15.8	—	13.2
Single modes	7.0	3.3	12.1	1.4	16.1	1.4	10.4
Truck	6.7	3.4	12.9	2.9	11.4	5.7	10.7
For-hire truck	9.4	3.1	14.2	2.6	12.5	5.0	8.9
Private truck	7.6	2.4	13.7	2.9	12.6	1.5	14.0
Rail	32.6	.4	32.1	1.3	35.9	5.1	15.2
Water	S	S	S	S	S	S	24.3
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	24.2
Air (includes truck and air)	S	S	42.9	—	36.0	.3	8.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	16.5	2.2	20.8	.7	22.8	1.1	26.0
Parcel, U.S. Postal Service or courier	17.0	2.2	23.6	.7	20.5	.5	26.2
Truck and rail	S	S	S	S	S	S	15.5
Truck and water	39.2	.1	33.2	.1	36.8	.9	22.1
Rail and water	S	S	S	S	S	S	21.8
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	40.8	1.0	21.1	.6	22.0
SCTG 24, PLASTICS AND RUBBER							
Total	5.0	—	8.6	—	10.5	—	11.2
Single modes	6.4	2.8	9.0	1.6	12.3	2.2	18.9
Truck	6.5	2.7	9.1	1.7	13.4	2.7	21.6
For-hire truck	8.7	2.8	9.3	3.1	13.4	2.7	7.8
Private truck	8.7	2.3	13.1	3.0	19.5	1.5	21.9
Rail	29.8	.4	49.6	1.3	24.8	1.6	14.8
Water	45.4	—	33.0	—	S	S	20.3
Shallow draft	S	S	S	S	S	S	24.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	46.1	—	34.6	—	S	S	21.8
Air (includes truck and air)	20.4	.2	40.0	—	45.5	.4	5.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	16.9	2.8	13.6	.6	15.6	2.1	5.7
Parcel, U.S. Postal Service or courier	17.2	2.8	18.0	.5	21.9	1.5	5.7
Truck and rail	49.8	.3	28.2	.3	29.2	1.5	13.1
Truck and water	16.1	—	19.8	—	25.3	.4	16.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	15.8	.8	35.1	1.6	25.6	.7	34.2

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	9.7	—	23.7	—	18.2	—	16.1
Single modes	9.0	3.2	25.0	2.4	11.8	5.6	17.3
Truck	9.1	3.0	25.6	2.3	10.0	5.8	17.4
For-hire truck	15.6	5.2	16.6	5.9	17.5	5.4	7.4
Private truck	18.2	5.4	44.4	6.7	20.2	5.9	31.2
Rail	33.3	1.1	47.0	.9	46.2	2.6	S
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	36.0	1.1	35.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	30.0
Truck and rail	S	S	S	S	S	S	19.9
Truck and water	46.8	.1	S	S	S	S	20.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	49.1	2.3	S	S	S
SCTG 26, WOOD PRODUCTS							
Total	6.0	—	13.2	—	8.3	—	8.8
Single modes	6.1	1.1	12.1	4.2	9.1	1.5	6.9
Truck	6.2	1.1	12.5	3.7	7.8	1.6	5.9
For-hire truck	7.7	2.0	11.4	3.1	7.9	1.9	8.5
Private truck	8.6	1.6	19.0	2.4	15.4	1.0	9.0
Rail	8.0	.7	20.5	1.5	12.5	2.4	5.2
Water	S	S	S	S	S	S	19.2
Shallow draft	S	S	S	S	S	S	20.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	19.0
Air (includes truck and air)	34.7	—	45.5	—	S	S	15.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	14.4	.5	29.4	.6	17.0	1.2	6.5
Parcel, U.S. Postal Service or courier	19.5	—	20.0	—	19.3	—	9.3
Truck and rail	17.6	.5	33.0	.6	19.1	1.3	6.4
Truck and water	21.9	—	23.5	—	27.6	.3	16.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	26.7	1.1	S	S	32.2	1.0	S
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	7.0	—	7.7	—	9.7	—	31.9
Single modes	6.9	2.4	8.6	1.7	11.9	3.8	12.3
Truck	7.0	2.8	8.2	3.2	12.7	4.2	11.1
For-hire truck	12.3	3.1	12.3	3.3	13.3	4.2	13.1
Private truck	7.2	2.7	9.1	2.1	24.0	.7	10.3
Rail	18.1	2.4	16.6	3.2	15.9	4.8	8.2
Water	46.0	.5	43.8	.7	S	S	20.4
Shallow draft	S	S	S	S	49.1	—	21.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	19.8
Air (includes truck and air)	S	S	S	S	S	S	15.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	23.0	1.6	20.3	1.3	20.2	3.9	20.6
Parcel, U.S. Postal Service or courier	S	S	25.4	—	32.5	—	20.8
Truck and rail	27.5	1.0	30.3	.8	34.1	3.2	13.8
Truck and water	42.4	.7	44.6	1.0	38.3	2.3	17.2
Rail and water	S	S	S	S	S	S	21.9
Other multiple modes	S	S	S	S	S	S	21.3
Other and unknown modes	S	S	22.3	.8	26.8	.6	S

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	5.9	—	26.6	—	13.1	—	14.1
Single modes	6.1	1.5	27.4	1.3	13.9	2.1	14.4
Truck	6.6	1.9	28.3	1.7	10.4	5.2	14.6
For-hire truck	9.9	3.2	26.2	3.5	12.0	4.5	9.2
Private truck	11.0	3.3	32.9	3.5	17.2	1.7	11.5
Rail	41.4	.5	42.6	.5	36.1	3.1	17.7
Water	49.3	1.5	47.0	1.3	S	S	20.1
Shallow draft	S	S	S	S	S	S	20.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	20.0
Air (includes truck and air)	S	S	S	S	S	S	16.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	31.2	1.1	24.9	.2	27.6	1.7	10.6
Parcel, U.S. Postal Service or courier	41.6	1.1	41.4	.2	40.0	.4	11.0
Truck and rail	S	S	S	S	S	S	21.3
Truck and water	23.7	.1	29.5	—	28.0	.7	26.1
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	27.9	.8	38.9	1.2	S	S	47.9
SCTG 29, PRINTED PRODUCTS							
Total	5.9	—	10.8	—	20.9	—	12.3
Single modes	4.1	2.8	10.8	2.2	16.6	7.8	31.9
Truck	4.3	2.8	10.9	2.3	18.7	7.1	37.5
For-hire truck	8.4	2.1	10.6	2.6	21.9	6.7	11.6
Private truck	8.2	2.9	14.3	4.2	11.5	1.6	23.5
Rail	S	S	S	S	S	S	22.9
Water	S	S	S	S	S	S	20.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	20.4
Air (includes truck and air)	22.9	.4	37.6	.4	30.7	2.0	6.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	15.8	2.5	21.8	1.2	29.8	4.7	14.4
Parcel, U.S. Postal Service or courier	15.9	2.5	22.2	1.1	30.8	4.7	14.4
Truck and rail	S	S	S	S	S	S	21.3
Truck and water	41.4	.1	41.6	—	S	S	18.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	16.7	.8	28.6	1.4	S	S	28.7
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	11.6	—	12.2	—	10.3	—	4.5
Single modes	14.2	3.0	13.7	2.0	11.5	2.2	8.3
Truck	14.5	3.2	14.1	2.2	12.7	2.5	9.5
For-hire truck	18.8	4.3	12.9	4.1	16.4	4.3	6.6
Private truck	22.6	3.0	24.1	4.3	29.9	3.3	25.1
Rail	36.9	—	37.7	.3	38.3	1.1	19.2
Water	S	S	S	S	S	S	19.7
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	18.9
Air (includes truck and air)	30.6	1.1	34.8	.5	35.5	1.0	3.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	17.8	2.9	11.4	1.6	13.6	2.1	3.4
Parcel, U.S. Postal Service or courier	18.8	2.7	8.1	1.4	8.2	2.2	3.4
Truck and rail	S	S	S	S	S	S	34.1
Truck and water	S	S	S	S	S	S	12.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	11.2	.4	13.1	.5	20.8	.5	30.3

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	5.3	—	11.1	—	8.4	—	17.6
Single modes	5.7	1.3	11.2	.6	8.1	2.6	24.8
Truck	6.0	1.5	11.9	1.3	5.5	3.7	25.3
For-hire truck	9.6	2.9	7.6	2.9	6.7	2.7	12.2
Private truck	10.9	3.6	16.2	3.6	12.8	3.1	35.0
Rail	23.0	.5	25.0	1.2	26.1	3.5	15.8
Water	S	S	S	S	S	S	24.7
Shallow draft	S	S	S	S	S	S	21.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	28.0
Air (includes truck and air)	44.9	.2	S	S	S	S	17.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	18.7	1.1	26.0	.1	28.6	1.5	8.1
Parcel, U.S. Postal Service or courier	19.1	1.0	21.1	—	20.8	.1	8.1
Truck and rail	40.5	.2	45.6	—	S	S	23.0
Truck and water	S	S	33.4	—	35.9	1.3	14.6
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	17.6	.7	23.7	.6	31.4	1.9	S
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	9.0	—	13.8	—	14.8	—	15.0
Single modes	9.6	2.2	12.1	3.1	11.4	4.4	15.8
Truck	10.2	2.6	12.4	3.2	14.3	3.4	12.2
For-hire truck	14.8	2.8	17.4	3.0	15.6	3.1	11.1
Private truck	8.5	2.5	13.8	3.0	14.4	.9	10.9
Rail	11.7	.7	15.4	1.1	11.3	2.8	8.1
Water	40.6	.2	S	S	36.5	.6	22.9
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	46.2	.2	S	S	38.3	.6	21.5
Air (includes truck and air)	47.7	.4	S	S	S	S	7.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	31.5	1.8	S	S	19.7	1.6	8.3
Parcel, U.S. Postal Service or courier	40.0	1.4	37.1	.1	S	S	8.7
Truck and rail	19.0	.2	18.0	.3	17.8	.9	9.5
Truck and water	33.2	—	37.8	.1	47.1	1.0	17.2
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	31.6	1.4	34.9	2.7	S	S	35.1
SCTG 33, ARTICLES OF BASE METAL							
Total	7.6	—	9.5	—	13.5	—	12.1
Single modes	9.0	3.3	10.2	3.0	10.2	5.5	9.7
Truck	9.3	3.4	10.7	3.2	10.2	5.7	11.0
For-hire truck	10.3	2.7	10.1	3.1	10.8	5.1	9.2
Private truck	9.0	1.5	13.4	2.1	16.3	.9	8.3
Rail	33.9	.3	31.8	.9	37.0	2.8	17.9
Water	S	S	S	S	S	S	19.0
Shallow draft	S	S	S	S	S	S	23.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	37.2	—	46.7	—	S	S	19.3
Air (includes truck and air)	25.6	.4	47.7	.5	S	S	5.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	14.8	3.0	19.7	.8	S	S	13.1
Parcel, U.S. Postal Service or courier	15.1	3.0	12.2	.4	14.3	.8	13.1
Truck and rail	S	S	37.6	—	49.4	.1	17.6
Truck and water	38.0	.1	S	S	S	S	34.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.2
Other and unknown modes	23.3	1.5	26.3	3.3	30.2	5.1	15.5

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	8.2	—	18.4	—	30.4	—	11.1
Single modes	8.7	2.4	16.6	2.2	22.7	3.8	9.9
Truck	6.8	2.5	14.8	2.3	17.9	4.5	12.7
For-hire truck	8.8	3.0	20.8	3.0	19.3	4.8	8.9
Private truck	12.7	2.1	14.8	3.0	S	S	27.9
Rail	38.3	.1	46.6	.3	46.6	1.2	17.6
Water	S	S	S	S	S	S	31.6
Shallow draft	S	S	S	S	S	S	23.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	37.4	—	42.5	—	S	S	22.5
Air (includes truck and air)	36.8	1.1	S	S	S	S	4.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	14.6	2.1	15.5	1.5	29.1	2.8	9.5
Parcel, U.S. Postal Service or courier	14.7	2.1	15.9	1.5	30.4	2.9	9.5
Truck and rail	S	S	S	S	S	S	21.3
Truck and water	46.3	—	49.0	.1	S	S	41.1
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	23.3	1.7	45.5	1.9	S	S	S
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	8.7	—	16.2	—	28.6	—	6.4
Single modes	12.5	2.5	18.8	2.6	33.0	3.7	11.8
Truck	12.6	2.4	20.0	3.1	36.0	4.1	13.0
For-hire truck	16.7	2.7	27.3	4.3	41.0	5.3	8.0
Private truck	5.3	1.1	12.5	3.6	20.3	2.4	21.2
Rail	26.6	.2	44.0	1.3	33.9	1.1	13.5
Water	38.3	—	38.6	—	40.1	—	S
Shallow draft	S	S	S	S	S	S	22.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	40.4	—	43.7	—	42.9	—	44.2
Air (includes truck and air)	18.0	1.4	22.9	.7	19.9	1.4	2.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	8.3	1.9	9.2	1.1	13.2	2.0	5.0
Parcel, U.S. Postal Service or courier	8.5	1.9	9.0	1.1	12.3	1.8	5.0
Truck and rail	S	S	S	S	S	S	18.8
Truck and water	S	S	42.7	.2	30.5	.2	15.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	22.2	1.5	26.3	2.1	39.4	2.8	24.0
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	11.9	—	14.9	—	16.2	—	11.2
Single modes	11.8	2.5	17.6	4.0	21.0	5.4	17.8
Truck	11.6	2.8	18.1	4.2	23.4	5.7	20.6
For-hire truck	16.5	3.3	15.8	3.8	22.6	5.0	13.8
Private truck	12.1	4.0	30.0	5.7	45.3	5.0	13.8
Rail	35.2	.2	34.5	.3	36.4	1.2	16.8
Water	45.4	—	42.2	.2	S	S	19.6
Shallow draft	S	S	S	S	S	S	20.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	48.1	—	46.6	.2	S	S	19.1
Air (includes truck and air)	36.0	.8	35.1	.4	35.5	1.7	7.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	15.0	1.9	9.3	.8	13.8	2.3	7.7
Parcel, U.S. Postal Service or courier	14.4	1.9	9.4	.8	13.1	2.3	7.8
Truck and rail	37.0	—	46.2	.1	40.4	.3	17.2
Truck and water	S	S	S	S	S	S	19.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	22.0	2.6	28.6	4.1	26.6	5.4	32.9

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	24.9	—	21.0	—	13.8	—	9.1
Single modes	27.8	5.6	21.7	2.3	15.1	4.9	16.6
Truck	19.0	6.5	17.8	6.5	17.2	6.0	31.1
For-hire truck	30.5	5.3	25.8	5.2	18.7	6.3	12.9
Private truck	15.5	2.9	24.1	4.4	26.0	1.7	25.9
Rail	43.9	.9	S	S	S	S	21.6
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	33.9	10.5	35.1	3.1	21.8	4.4	4.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	32.3	5.4	37.1	1.9	47.4	4.9	6.7
Parcel, U.S. Postal Service or courier	12.7	4.1	38.4	1.8	49.1	5.0	6.7
Truck and rail	S	S	S	S	S	S	22.2
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	29.6	1.2	39.7	1.1	16.4
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	10.8	—	16.9	—	17.6	—	4.7
Single modes	12.7	3.4	18.5	3.5	19.9	4.9	9.8
Truck	13.6	2.9	19.3	3.9	18.8	5.1	14.4
For-hire truck	13.4	2.4	24.6	5.2	20.0	5.3	10.6
Private truck	24.6	1.8	35.2	3.9	34.2	1.1	37.8
Rail	S	S	S	S	S	S	22.7
Water	S	S	S	S	S	S	S
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	17.7	2.5	29.6	1.9	35.3	3.1	3.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	13.5	3.7	15.9	3.4	23.7	4.4	4.3
Parcel, U.S. Postal Service or courier	13.7	3.7	16.1	3.5	24.0	4.4	4.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	21.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	26.0	.9	45.4	1.6	S	S	45.2
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	13.4	—	14.5	—	16.2	—	10.4
Single modes	11.1	2.8	15.5	1.8	18.5	2.3	12.3
Truck	11.2	2.7	15.8	1.8	19.6	2.9	11.7
For-hire truck	13.7	4.0	17.3	4.2	21.8	4.6	8.0
Private truck	14.3	3.3	22.6	3.6	32.9	2.6	16.3
Rail	43.5	.3	46.5	.7	S	S	36.1
Water	39.3	—	40.5	—	S	S	21.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	39.3	—	40.5	—	S	S	21.4
Air (includes truck and air)	36.8	.1	31.1	—	29.3	.2	11.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	30.0	2.1	20.9	1.1	20.3	2.0	8.9
Parcel, U.S. Postal Service or courier	35.0	2.2	31.2	1.1	36.3	1.6	9.1
Truck and rail	37.0	.4	26.6	.4	26.0	1.4	13.1
Truck and water	40.8	—	37.6	.1	43.1	.3	16.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	29.6	1.3	48.0	1.1	26.9

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	29.1	—	27.2	—	42.8	—	5.7
Single modes	42.7	4.4	26.7	4.7	17.3	7.3	11.3
Truck	44.9	4.7	26.7	4.6	16.1	6.9	13.5
For-hire truck	36.2	2.2	22.7	3.8	16.0	5.9	7.3
Private truck	S	S	31.5	3.8	23.6	2.0	24.5
Rail	44.8	.2	42.0	.3	41.0	1.0	17.3
Water	S	S	S	S	S	S	26.2
Shallow draft	S	S	S	S	S	S	21.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	25.9
Air (includes truck and air)	21.6	.9	44.6	.2	S	S	5.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	15.2	4.5	19.3	1.2	23.0	2.8	3.8
Parcel, U.S. Postal Service or courier	15.5	4.4	21.3	1.1	26.8	2.3	3.8
Truck and rail	30.2	.2	29.6	.2	32.5	1.0	14.5
Truck and water	35.0	—	37.7	—	35.1	.3	17.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	23.3	.7	S	S	S	S	17.4
SCTG 41, WASTE AND SCRAP							
Total	14.4	—	16.8	—	21.3	—	27.2
Single modes	14.7	4.2	17.0	3.9	19.4	6.3	28.3
Truck	15.3	4.4	17.5	4.7	21.0	6.6	30.7
For-hire truck	20.5	6.3	29.2	6.1	29.6	6.3	25.3
Private truck	28.6	6.8	26.5	6.4	36.7	6.0	S
Rail	21.0	1.0	23.1	2.2	25.3	2.6	19.8
Water	S	S	S	S	S	S	25.7
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	25.8
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	23.3	.9	28.4	.4	28.8	3.3	21.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	30.9
Truck and rail	31.5	.8	33.8	.2	31.6	3.3	16.4
Truck and water	S	S	S	S	S	S	18.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	47.8	—	45.7	—	45.3	—	19.9
Other and unknown modes	44.0	4.2	S	S	48.2	6.8	21.3
SCTG 43, MIXED FREIGHT							
Total	30.2	—	37.0	—	38.5	—	19.4
Single modes	30.5	.7	37.3	.7	37.3	2.9	25.2
Truck	30.7	1.4	37.3	.7	37.8	3.0	27.3
For-hire truck	44.9	2.0	29.1	1.5	28.7	4.7	20.4
Private truck	32.0	2.5	37.8	1.9	41.2	5.3	11.1
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	28.8
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	28.4
Air (includes truck and air)	S	S	S	S	S	S	19.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	27.6	.6	38.7	.5	S	S	16.1
Parcel, U.S. Postal Service or courier	30.6	.6	24.4	.4	37.7	2.4	16.8
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	46.4	.1	S	S	S	S	17.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	17.5

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment — coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	21.6	—	42.1	—	29.2	—	19.9
Single modes	25.6	5.6	43.0	2.6	31.8	6.3	19.6
Truck	26.1	5.1	49.1	7.1	28.4	6.2	24.3
For-hire truck	39.8	5.1	S	S	34.2	7.2	15.9
Private truck	23.7	4.7	23.6	8.6	30.7	3.0	S
Rail	49.1	.4	S	S	45.2	4.1	26.3
Water	S	S	S	S	S	S	22.7
Shallow draft	S	S	S	S	S	S	28.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	48.0	.3	S	S	10.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	21.6	5.1	48.7	2.4	48.5	5.8	22.0
Parcel, U.S. Postal Service or courier	22.5	5.1	28.5	.9	22.7	3.1	22.2
Truck and rail	44.8	.4	S	S	S	S	24.4
Truck and water	S	S	S	S	S	S	21.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	39.1	1.1	S	S	34.4

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	3.7	5.5	2.8
Less than 50 miles	3.9	7.4	7.4
50 to 99 miles	11.3	6.3	5.6
100 to 249 miles	8.7	8.2	7.8
250 to 499 miles	6.8	10.9	9.7
500 to 749 miles	3.7	9.1	8.8
750 to 999 miles	8.9	11.2	9.9
1,000 to 1,499 miles	7.2	11.5	10.7
1,500 to 1,999 miles	6.1	8.5	8.2
2,000 miles or more	6.2	3.5	3.7
SCTG 01, Live animals and live fish	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	15.2	16.9	23.2
Less than 50 miles	19.5	20.7	33.7
50 to 99 miles	29.9	33.2	34.5
100 to 249 miles	29.1	29.1	30.0
250 to 499 miles	S	S	S
500 to 749 miles	S	42.6	39.8
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	9.1	11.1	9.6
Less than 50 miles	15.0	20.0	15.6
50 to 99 miles	10.2	14.5	15.2
100 to 249 miles	13.8	14.3	13.7
250 to 499 miles	13.3	22.1	21.7
500 to 749 miles	22.1	19.0	19.0
750 to 999 miles	15.7	16.7	16.7
1,000 to 1,499 miles	12.3	9.5	9.5
1,500 to 1,999 miles	11.5	12.6	12.5
2,000 miles or more	14.3	14.2	13.8
SCTG 04, Animal feed and products of animal origin, n.e.c.	15.3	15.8	21.2
Less than 50 miles	18.1	19.5	41.2
50 to 99 miles	19.5	22.7	23.7
100 to 249 miles	18.6	31.1	32.3
250 to 499 miles	36.9	36.5	34.9
500 to 749 miles	34.1	S	S
750 to 999 miles	36.7	38.7	38.0
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	48.1	47.3
2,000 miles or more	S	47.9	47.8
SCTG 05, Meat, fish, seafood, and their preparations	9.0	16.6	16.5
Less than 50 miles	12.4	25.3	27.7
50 to 99 miles	18.0	18.2	18.4
100 to 249 miles	14.8	13.8	13.2
250 to 499 miles	18.7	20.6	20.0
500 to 749 miles	18.8	20.0	20.9
750 to 999 miles	23.9	27.4	28.7
1,000 to 1,499 miles	23.2	35.3	37.8
1,500 to 1,999 miles	30.0	26.0	26.4
2,000 miles or more	30.8	32.5	30.8
SCTG 06, Milled grain products and preparations, and bakery products	11.9	19.1	19.3
Less than 50 miles	12.1	20.4	36.4
50 to 99 miles	19.2	22.0	22.1
100 to 249 miles	24.5	28.1	25.9
250 to 499 miles	17.0	27.2	26.3
500 to 749 miles	22.1	23.2	23.1
750 to 999 miles	22.1	31.3	32.6
1,000 to 1,499 miles	20.7	30.7	31.4
1,500 to 1,999 miles	21.0	35.6	37.4
2,000 miles or more	20.6	21.8	22.4
SCTG 07, Other prepared foodstuffs and fats and oils	4.4	10.9	7.3
Less than 50 miles	6.5	16.9	23.8
50 to 99 miles	7.1	9.4	8.8
100 to 249 miles	6.8	16.9	17.5
250 to 499 miles	11.3	16.1	16.5
500 to 749 miles	9.9	10.2	10.2
750 to 999 miles	16.3	19.8	19.6
1,000 to 1,499 miles	11.0	11.6	11.0
1,500 to 1,999 miles	24.8	13.8	13.4
2,000 miles or more	9.5	13.6	14.1

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	10.5	11.7	26.6
Less than 50 miles	6.9	7.0	9.5
50 to 99 miles	14.0	17.4	17.3
100 to 249 miles	39.2	26.1	25.5
250 to 499 miles	22.3	27.4	26.8
500 to 749 miles	22.1	23.4	22.6
750 to 999 miles	29.6	36.5	36.2
1,000 to 1,499 miles	20.9	25.9	26.5
1,500 to 1,999 miles	33.9	39.3	39.7
2,000 miles or more	28.6	33.9	35.1
SCTG 09, Tobacco products	18.3	31.8	35.4
Less than 50 miles	18.1	22.6	20.9
50 to 99 miles	24.7	S	S
100 to 249 miles	35.5	30.8	33.8
250 to 499 miles	45.3	S	50.0
500 to 749 miles	42.7	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	44.3	S	S
SCTG 10, Monumental or building stone	S	42.4	S
Less than 50 miles	S	46.8	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	49.5
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	18.1	26.3	23.6
Less than 50 miles	23.0	28.4	29.9
50 to 99 miles	22.3	39.4	40.7
100 to 249 miles	22.5	24.2	26.8
250 to 499 miles	S	22.3	24.1
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	10.7	14.1	14.8
Less than 50 miles	11.9	14.9	18.1
50 to 99 miles	22.8	24.1	25.1
100 to 249 miles	36.0	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	S	30.5	44.4
Less than 50 miles	S	44.4	S
50 to 99 miles	32.0	47.6	49.1
100 to 249 miles	20.6	40.9	41.5
250 to 499 miles	37.4	42.3	42.2
500 to 749 miles	48.7	S	S
750 to 999 miles	24.7	S	S
1,000 to 1,499 miles	36.2	37.3	38.5
1,500 to 1,999 miles	23.7	S	S
2,000 miles or more	25.4	49.4	47.0
SCTG 14, Metallic ores and concentrates	38.1	S	46.6
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	27.6	27.1
250 to 499 miles	38.2	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	—	—	—
100 to 249 miles	—	—	—
250 to 499 miles	—	—	—
500 to 749 miles	—	—	—
750 to 999 miles	—	—	—
1,000 to 1,499 miles	—	—	—
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	10.1	9.9	22.9
Less than 50 miles	10.6	10.6	8.2
50 to 99 miles	32.7	39.7	32.2
100 to 249 miles	24.2	31.3	29.1
250 to 499 miles	29.7	31.5	26.0
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	49.7	49.4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	8.7	12.1	28.7
Less than 50 miles	10.1	13.2	15.6
50 to 99 miles	19.0	23.8	23.0
100 to 249 miles	43.1	36.3	41.6
250 to 499 miles	41.7	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	13.4	19.0	19.1
Less than 50 miles	15.6	23.1	38.5
50 to 99 miles	14.3	21.6	21.5
100 to 249 miles	22.2	28.1	31.5
250 to 499 miles	S	S	S
500 to 749 miles	19.1	34.9	35.9
750 to 999 miles	26.0	28.0	28.1
1,000 to 1,499 miles	35.9	41.2	40.5
1,500 to 1,999 miles	37.1	S	S
2,000 miles or more	47.2	33.3	33.8
SCTG 20, Basic chemicals	12.4	25.8	9.7
Less than 50 miles	15.2	37.8	34.1
50 to 99 miles	18.7	16.3	15.5
100 to 249 miles	14.1	15.6	15.4
250 to 499 miles	19.1	17.2	17.1
500 to 749 miles	23.9	21.3	20.7
750 to 999 miles	37.5	19.8	19.9
1,000 to 1,499 miles	26.7	23.8	22.5
1,500 to 1,999 miles	19.0	16.2	16.3
2,000 miles or more	28.7	23.4	23.7
SCTG 21, Pharmaceutical products	11.7	20.2	25.4
Less than 50 miles	18.5	34.4	12.4
50 to 99 miles	19.1	16.1	16.7
100 to 249 miles	16.7	18.5	18.5
250 to 499 miles	14.2	28.8	26.8
500 to 749 miles	29.1	S	32.3
750 to 999 miles	36.7	38.1	34.3
1,000 to 1,499 miles	25.2	39.0	35.8
1,500 to 1,999 miles	13.7	S	S
2,000 miles or more	15.7	25.7	25.7
SCTG 22, Fertilizers	10.1	29.7	47.9
Less than 50 miles	11.8	30.0	47.3
50 to 99 miles	16.8	S	48.2
100 to 249 miles	20.3	28.2	27.5
250 to 499 miles	29.6	33.2	33.9
500 to 749 miles	41.7	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	40.5	45.5	45.9
SCTG 23, Chemical products and preparations, n.e.c.	6.5	11.4	15.8
Less than 50 miles	10.4	13.3	12.9
50 to 99 miles	18.9	10.0	10.4
100 to 249 miles	24.2	15.4	14.0
250 to 499 miles	12.7	24.6	23.8
500 to 749 miles	19.2	23.1	22.6
750 to 999 miles	17.8	21.9	21.0
1,000 to 1,499 miles	21.3	S	S
1,500 to 1,999 miles	16.1	21.3	21.7
2,000 miles or more	12.8	17.1	18.5
SCTG 24, Plastics and rubber	5.0	8.6	10.5
Less than 50 miles	7.0	13.3	13.3
50 to 99 miles	19.7	24.0	20.6
100 to 249 miles	8.8	19.5	18.9
250 to 499 miles	8.8	9.0	9.2
500 to 749 miles	12.2	13.5	13.5
750 to 999 miles	13.2	18.5	18.1
1,000 to 1,499 miles	12.2	18.2	17.8
1,500 to 1,999 miles	12.3	14.4	14.4
2,000 miles or more	10.2	16.8	17.4

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	9.7	23.7	18.2
Less than 50 miles	12.6	29.6	16.6
50 to 99 miles	17.0	19.1	19.5
100 to 249 miles	25.7	21.8	26.2
250 to 499 miles	30.3	30.2	31.5
500 to 749 miles	35.3	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	36.1	40.3	40.8
2,000 miles or more	S	S	S
SCTG 26, Wood products	6.0	13.2	8.3
Less than 50 miles	10.1	25.5	21.2
50 to 99 miles	9.4	23.2	23.8
100 to 249 miles	13.3	14.8	14.7
250 to 499 miles	8.4	28.7	27.0
500 to 749 miles	8.2	10.1	11.3
750 to 999 miles	11.9	12.0	12.0
1,000 to 1,499 miles	9.5	12.7	12.6
1,500 to 1,999 miles	6.5	9.1	9.9
2,000 miles or more	8.5	8.9	9.5
SCTG 27, Pulp, newsprint, paper, and paperboard	7.0	7.7	9.7
Less than 50 miles	12.5	8.4	9.9
50 to 99 miles	11.0	14.0	13.0
100 to 249 miles	15.3	15.2	16.1
250 to 499 miles	8.2	9.4	10.6
500 to 749 miles	19.2	22.5	23.2
750 to 999 miles	14.9	14.1	14.4
1,000 to 1,499 miles	27.3	28.0	26.5
1,500 to 1,999 miles	17.2	14.6	14.5
2,000 miles or more	18.6	16.2	16.2
SCTG 28, Paper or paperboard articles	5.9	26.6	13.1
Less than 50 miles	9.2	40.8	47.0
50 to 99 miles	13.8	11.7	11.6
100 to 249 miles	9.2	9.9	10.6
250 to 499 miles	11.5	24.7	30.6
500 to 749 miles	13.2	15.5	16.3
750 to 999 miles	12.2	10.6	10.6
1,000 to 1,499 miles	20.3	21.1	20.0
1,500 to 1,999 miles	28.8	20.4	20.4
2,000 miles or more	29.5	24.4	38.7
SCTG 29, Printed products	5.9	10.8	20.9
Less than 50 miles	6.0	12.1	12.2
50 to 99 miles	20.8	11.7	11.9
100 to 249 miles	24.3	15.3	15.0
250 to 499 miles	7.0	16.7	21.0
500 to 749 miles	10.3	15.9	15.6
750 to 999 miles	14.4	26.1	30.1
1,000 to 1,499 miles	14.2	14.1	13.9
1,500 to 1,999 miles	17.8	32.5	32.1
2,000 miles or more	11.6	38.0	38.3
SCTG 30, Textiles, leather, and articles of textiles or leather	11.6	12.2	10.3
Less than 50 miles	12.9	13.9	17.2
50 to 99 miles	12.7	28.8	29.8
100 to 249 miles	37.4	40.7	44.1
250 to 499 miles	32.4	29.2	29.1
500 to 749 miles	18.6	18.2	18.8
750 to 999 miles	25.0	20.9	22.4
1,000 to 1,499 miles	16.1	15.8	16.0
1,500 to 1,999 miles	14.7	12.5	12.8
2,000 miles or more	16.1	12.0	12.2
SCTG 31, Nonmetallic mineral products	5.3	11.1	8.4
Less than 50 miles	8.8	14.1	14.4
50 to 99 miles	11.6	13.8	15.1
100 to 249 miles	8.5	8.5	9.8
250 to 499 miles	10.6	16.7	18.0
500 to 749 miles	11.9	18.5	20.0
750 to 999 miles	16.1	12.0	12.7
1,000 to 1,499 miles	19.5	33.3	31.2
1,500 to 1,999 miles	28.2	35.7	39.3
2,000 miles or more	19.8	24.6	25.1
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	9.0	13.8	14.8
Less than 50 miles	9.2	20.2	18.9
50 to 99 miles	29.9	34.4	38.4
100 to 249 miles	10.6	13.4	13.4
250 to 499 miles	14.0	19.8	18.8
500 to 749 miles	13.6	19.2	18.7
750 to 999 miles	19.7	17.6	17.8
1,000 to 1,499 miles	38.0	19.8	19.7
1,500 to 1,999 miles	17.7	21.0	19.6
2,000 miles or more	22.5	44.4	45.3

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	7.6	9.5	13.5
Less than 50 miles	9.7	10.8	11.8
50 to 99 miles	10.8	14.6	14.4
100 to 249 miles	10.9	15.1	13.6
250 to 499 miles	11.6	18.5	18.3
500 to 749 miles	8.9	12.8	12.5
750 to 999 miles	15.7	22.1	22.6
1,000 to 1,499 miles	24.7	23.2	22.7
1,500 to 1,999 miles	11.0	21.7	32.0
2,000 miles or more	14.8	21.5	21.1
SCTG 34, Machinery	8.2	18.4	30.4
Less than 50 miles	8.8	15.4	28.6
50 to 99 miles	11.2	12.0	12.1
100 to 249 miles	14.4	10.2	10.2
250 to 499 miles	10.1	18.1	16.7
500 to 749 miles	23.6	21.9	22.1
750 to 999 miles	18.5	25.6	25.7
1,000 to 1,499 miles	13.4	43.9	43.6
1,500 to 1,999 miles	15.8	18.0	18.2
2,000 miles or more	19.1	48.4	47.7
SCTG 35, Electronic and other electrical equipment and components and office equipment	8.7	16.2	28.6
Less than 50 miles	7.8	8.5	10.0
50 to 99 miles	25.2	18.4	19.3
100 to 249 miles	22.5	15.8	16.3
250 to 499 miles	15.6	29.7	29.7
500 to 749 miles	11.5	30.3	29.6
750 to 999 miles	17.2	15.6	16.1
1,000 to 1,499 miles	13.7	35.2	33.7
1,500 to 1,999 miles	11.8	16.3	16.4
2,000 miles or more	13.4	40.8	41.5
SCTG 36, Motorized and other vehicles (including parts)	11.9	14.9	16.2
Less than 50 miles	17.5	18.1	16.6
50 to 99 miles	10.4	15.1	17.8
100 to 249 miles	23.1	17.1	15.2
250 to 499 miles	17.9	34.6	33.7
500 to 749 miles	23.8	30.9	29.9
750 to 999 miles	21.9	15.4	15.5
1,000 to 1,499 miles	25.2	21.7	21.9
1,500 to 1,999 miles	23.3	19.0	19.1
2,000 miles or more	15.9	21.9	21.7
SCTG 37, Transportation equipment, n.e.c.	24.9	21.0	13.8
Less than 50 miles	S	34.2	39.1
50 to 99 miles	24.4	32.2	40.2
100 to 249 miles	25.3	24.7	28.5
250 to 499 miles	30.6	S	S
500 to 749 miles	39.7	S	S
750 to 999 miles	49.4	25.7	24.9
1,000 to 1,499 miles	47.7	26.7	26.0
1,500 to 1,999 miles	31.2	26.1	27.4
2,000 miles or more	39.0	22.3	22.5
SCTG 38, Precision instruments and apparatus	10.8	16.9	17.6
Less than 50 miles	16.5	26.6	32.6
50 to 99 miles	20.9	33.7	31.6
100 to 249 miles	19.5	S	S
250 to 499 miles	17.3	40.7	42.7
500 to 749 miles	19.8	27.6	27.3
750 to 999 miles	29.7	46.2	45.3
1,000 to 1,499 miles	12.3	24.3	23.0
1,500 to 1,999 miles	12.0	21.4	20.4
2,000 miles or more	14.8	20.2	20.5
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	13.4	14.5	16.2
Less than 50 miles	16.0	22.3	19.3
50 to 99 miles	14.3	18.8	18.2
100 to 249 miles	19.1	17.2	17.6
250 to 499 miles	25.3	17.6	17.0
500 to 749 miles	22.3	15.7	15.4
750 to 999 miles	19.8	21.5	22.1
1,000 to 1,499 miles	15.6	20.3	19.4
1,500 to 1,999 miles	31.6	13.3	13.2
2,000 miles or more	16.8	22.6	22.2
SCTG 40, Miscellaneous manufactured products	29.1	27.2	42.8
Less than 50 miles	22.2	17.4	19.6
50 to 99 miles	S	S	46.6
100 to 249 miles	S	35.9	36.0
250 to 499 miles	38.7	35.1	31.7
500 to 749 miles	13.6	27.5	28.3
750 to 999 miles	17.6	S	S
1,000 to 1,499 miles	14.1	S	S
1,500 to 1,999 miles	18.5	44.0	43.6
2,000 miles or more	8.9	37.8	37.0

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	14.4	16.8	21.3
Less than 50 miles	18.0	19.9	20.5
50 to 99 miles	26.1	24.6	30.1
100 to 249 miles	20.6	25.1	26.0
250 to 499 miles	30.4	41.8	43.6
500 to 749 miles	27.8	36.8	36.2
750 to 999 miles	S	S	S
1,000 to 1,499 miles	20.0	S	S
1,500 to 1,999 miles	17.6	20.2	19.9
2,000 miles or more	30.0	35.9	35.8
SCTG 43, Mixed freight	30.2	37.0	38.5
Less than 50 miles	27.7	34.7	35.3
50 to 99 miles	34.2	42.1	41.6
100 to 249 miles	43.9	45.4	49.6
250 to 499 miles	39.3	45.0	46.7
500 to 749 miles	45.6	26.9	26.8
750 to 999 miles	37.0	46.8	48.1
1,000 to 1,499 miles	33.1	34.3	35.7
1,500 to 1,999 miles	23.0	32.4	32.1
2,000 miles or more	39.4	49.4	S
Commodity unknown	21.6	42.1	29.2
Less than 50 miles	39.7	S	S
50 to 99 miles	S	S	S
100 to 249 miles	27.1	29.8	34.4
250 to 499 miles	22.4	48.6	47.9
500 to 749 miles	31.4	S	S
750 to 999 miles	42.2	S	S
1,000 to 1,499 miles	38.8	42.8	42.3
1,500 to 1,999 miles	29.4	29.5	30.5
2,000 miles or more	36.0	45.3	44.2

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	3.7	5.5	2.8
Less than 50 lb	3.7	3.1	5.6
50 to 99 lb	6.2	4.7	5.9
100 to 499 lb	3.1	3.6	3.6
500 to 749 lb	5.7	4.3	7.6
750 to 999 lb	5.9	3.8	6.6
1,000 to 9,999 lb	4.7	3.4	11.4
10,000 to 49,999 lb	9.6	5.5	2.3
50,000 to 99,999 lb	8.1	7.9	3.9
100,000 lb or more	12.8	9.6	7.2
SCTG 01, Live animals and live fish	S	S	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	48.5	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	—	—	—
SCTG 02, Cereal grains	15.2	16.9	23.2
Less than 50 lb	S	S	S
50 to 99 lb	S	49.5	45.0
100 to 499 lb	S	36.4	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	38.0	47.7
10,000 to 49,999 lb	34.9	31.3	45.3
50,000 to 99,999 lb	24.9	26.2	44.3
100,000 lb or more	17.3	18.3	27.4
SCTG 03, Other agricultural products	9.1	11.1	9.6
Less than 50 lb	S	S	36.9
50 to 99 lb	38.0	28.8	S
100 to 499 lb	21.8	27.2	35.8
500 to 749 lb	20.3	26.6	20.4
750 to 999 lb	20.1	33.1	22.3
1,000 to 9,999 lb	16.6	23.7	26.7
10,000 to 49,999 lb	9.0	9.8	10.0
50,000 to 99,999 lb	15.8	16.5	31.5
100,000 lb or more	19.7	30.8	25.2
SCTG 04, Animal feed and products of animal origin, n.e.c.	15.3	15.8	21.2
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	46.8	36.0	S
500 to 749 lb	S	40.2	S
750 to 999 lb	S	42.9	S
1,000 to 9,999 lb	30.3	22.8	28.8
10,000 to 49,999 lb	16.7	17.9	25.0
50,000 to 99,999 lb	19.4	20.3	28.1
100,000 lb or more	28.3	24.0	29.3
SCTG 05, Meat, fish, seafood, and their preparations	9.0	16.6	16.5
Less than 50 lb	22.0	21.3	37.6
50 to 99 lb	18.7	19.9	40.5
100 to 499 lb	11.6	13.9	12.3
500 to 749 lb	15.0	15.6	13.1
750 to 999 lb	14.2	15.9	12.8
1,000 to 9,999 lb	13.1	10.6	15.6
10,000 to 49,999 lb	13.3	26.7	20.1
50,000 to 99,999 lb	33.7	36.7	S
100,000 lb or more	29.9	32.6	44.7
SCTG 06, Milled grain products and preparations, and bakery products	11.9	19.1	19.3
Less than 50 lb	41.5	S	33.7
50 to 99 lb	35.0	36.3	34.4
100 to 499 lb	18.7	21.1	24.7
500 to 749 lb	20.8	24.2	34.6
750 to 999 lb	24.2	47.1	36.3
1,000 to 9,999 lb	12.1	15.9	26.2
10,000 to 49,999 lb	15.3	24.6	15.3
50,000 to 99,999 lb	27.2	26.7	35.9
100,000 lb or more	30.8	44.5	44.1
SCTG 07, Other prepared foodstuffs and fats and oils	4.4	10.9	7.3
Less than 50 lb	20.5	16.4	23.5
50 to 99 lb	18.9	19.2	23.0
100 to 499 lb	15.2	15.4	24.5
500 to 749 lb	11.9	12.9	17.6
750 to 999 lb	12.4	15.9	19.4
1,000 to 9,999 lb	12.9	13.3	10.1
10,000 to 49,999 lb	7.2	16.6	7.3
50,000 to 99,999 lb	18.7	29.8	25.2
100,000 lb or more	9.4	16.7	16.3

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	10.5	11.7	26.6
Less than 50 lb	48.5	40.3	S
50 to 99 lb	12.7	9.6	13.8
100 to 499 lb	6.5	6.5	13.2
500 to 749 lb	9.3	11.8	18.2
750 to 999 lb	10.4	12.7	25.0
1,000 to 9,999 lb	7.8	8.0	28.6
10,000 to 49,999 lb	18.1	19.6	23.3
50,000 to 99,999 lb	33.6	22.8	24.1
100,000 lb or more	38.7	34.6	S
SCTG 09, Tobacco products	18.3	31.8	35.4
Less than 50 lb	19.6	22.0	34.1
50 to 99 lb	20.6	20.0	20.9
100 to 499 lb	21.2	17.1	19.0
500 to 749 lb	41.4	30.3	43.9
750 to 999 lb	S	31.1	30.9
1,000 to 9,999 lb	30.0	34.6	46.5
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	S	42.4	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	42.8	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	40.1	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	18.1	26.3	23.6
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	37.1	22.1	S
500 to 749 lb	47.7	45.9	S
750 to 999 lb	46.0	43.9	S
1,000 to 9,999 lb	S	24.7	36.4
10,000 to 49,999 lb	37.7	16.8	37.3
50,000 to 99,999 lb	17.7	15.4	25.3
100,000 lb or more	40.0	S	42.5
SCTG 12, Gravel and crushed stone	10.7	14.1	14.8
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	48.9	35.2	24.7
10,000 to 49,999 lb	17.8	16.0	27.0
50,000 to 99,999 lb	18.2	20.7	19.3
100,000 lb or more	23.6	34.8	33.8
SCTG 13, Nonmetallic minerals n.e.c.	S	30.5	44.4
Less than 50 lb	47.9	32.2	S
50 to 99 lb	S	27.8	31.4
100 to 499 lb	31.7	27.5	28.0
500 to 749 lb	S	S	S
750 to 999 lb	S	38.8	49.3
1,000 to 9,999 lb	S	S	42.5
10,000 to 49,999 lb	S	46.4	40.1
50,000 to 99,999 lb	S	32.9	S
100,000 lb or more	25.7	46.5	29.9
SCTG 14, Metallic ores and concentrates	38.1	S	46.6
Less than 50 lb	S	S	41.7
50 to 99 lb	S	49.3	35.5
100 to 499 lb	S	48.7	S
500 to 749 lb	S	43.0	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	42.0	40.3	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	40.2	S
100,000 lb or more	49.0	S	S
SCTG 15, Coal	S	S	S
Less than 50 lb	—	—	—
50 to 99 lb	—	—	—
100 to 499 lb	—	—	—
500 to 749 lb	—	—	—
750 to 999 lb	—	—	—
1,000 to 9,999 lb	—	—	—
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	10.1	9.9	22.9
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	40.3	34.4
500 to 749 lb	27.9	31.5	31.1
750 to 999 lb	34.2	32.5	30.2
1,000 to 9,999 lb	S	46.6	43.8
10,000 to 49,999 lb	19.0	18.3	41.9
50,000 to 99,999 lb	8.4	11.9	16.2
100,000 lb or more	17.3	17.1	31.3
SCTG 18, Fuel oils	8.7	12.1	28.7
Less than 50 lb	S	46.2	S
50 to 99 lb	38.3	35.9	34.3
100 to 499 lb	42.4	34.6	22.5
500 to 749 lb	39.6	26.9	19.7
750 to 999 lb	31.5	31.9	40.5
1,000 to 9,999 lb	30.5	17.2	25.1
10,000 to 49,999 lb	16.3	15.6	31.8
50,000 to 99,999 lb	17.3	17.1	31.8
100,000 lb or more	16.5	18.3	34.7
SCTG 19, Coal and petroleum products, n.e.c.	13.4	19.0	19.1
Less than 50 lb	33.1	34.8	30.3
50 to 99 lb	26.9	33.3	24.7
100 to 499 lb	19.7	32.9	25.8
500 to 749 lb	46.5	S	S
750 to 999 lb	23.4	38.1	34.5
1,000 to 9,999 lb	19.9	25.3	21.1
10,000 to 49,999 lb	18.9	32.2	16.2
50,000 to 99,999 lb	23.7	22.5	20.6
100,000 lb or more	30.6	31.5	32.4
SCTG 20, Basic chemicals	12.4	25.8	9.7
Less than 50 lb	21.9	23.7	33.8
50 to 99 lb	28.6	20.7	44.3
100 to 499 lb	26.1	21.9	35.1
500 to 749 lb	21.6	19.8	S
750 to 999 lb	30.7	30.5	38.1
1,000 to 9,999 lb	21.2	17.9	26.3
10,000 to 49,999 lb	14.7	35.3	17.8
50,000 to 99,999 lb	21.2	40.7	29.7
100,000 lb or more	18.9	19.0	15.0
SCTG 21, Pharmaceutical products	11.7	20.2	25.4
Less than 50 lb	15.0	12.4	12.6
50 to 99 lb	17.4	12.1	21.6
100 to 499 lb	11.9	13.0	20.2
500 to 749 lb	15.4	17.9	44.4
750 to 999 lb	19.3	17.0	S
1,000 to 9,999 lb	21.3	20.3	31.0
10,000 to 49,999 lb	S	S	49.5
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	10.1	29.7	47.9
Less than 50 lb	36.1	S	36.8
50 to 99 lb	33.9	38.6	S
100 to 499 lb	19.0	20.0	23.4
500 to 749 lb	20.6	21.9	31.4
750 to 999 lb	26.9	31.5	35.9
1,000 to 9,999 lb	14.5	15.6	15.4
10,000 to 49,999 lb	15.1	41.4	35.3
50,000 to 99,999 lb	12.1	28.8	29.5
100,000 lb or more	34.1	40.4	S
SCTG 23, Chemical products and preparations, n.e.c.	6.5	11.4	15.8
Less than 50 lb	14.6	19.6	17.9
50 to 99 lb	17.9	17.3	21.8
100 to 499 lb	15.3	16.5	11.5
500 to 749 lb	14.8	17.7	23.2
750 to 999 lb	13.7	15.5	16.9
1,000 to 9,999 lb	9.8	8.9	12.4
10,000 to 49,999 lb	13.6	19.5	13.0
50,000 to 99,999 lb	44.0	20.3	15.7
100,000 lb or more	S	S	49.5
SCTG 24, Plastics and rubber	5.0	8.6	10.5
Less than 50 lb	14.4	11.9	23.8
50 to 99 lb	9.4	12.0	20.5
100 to 499 lb	10.3	11.7	14.4
500 to 749 lb	15.3	14.7	17.8
750 to 999 lb	10.7	9.8	14.6
1,000 to 9,999 lb	8.3	8.9	12.9
10,000 to 49,999 lb	11.5	12.0	11.2
50,000 to 99,999 lb	45.6	49.4	25.1
100,000 lb or more	S	34.7	S

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	9.7	23.7	18.2
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	45.9	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	34.3	39.1	24.6
10,000 to 49,999 lb	15.0	26.4	23.3
50,000 to 99,999 lb	12.6	33.6	13.7
100,000 lb or more	34.0	34.5	48.2
SCTG 26, Wood products	6.0	13.2	8.3
Less than 50 lb	24.5	12.8	21.9
50 to 99 lb	17.6	16.4	18.9
100 to 499 lb	13.5	13.4	19.3
500 to 749 lb	11.0	12.2	22.1
750 to 999 lb	14.5	12.6	27.4
1,000 to 9,999 lb	7.0	8.2	12.5
10,000 to 49,999 lb	6.7	12.3	8.9
50,000 to 99,999 lb	10.7	16.3	9.5
100,000 lb or more	11.4	29.6	11.8
SCTG 27, Pulp, newsprint, paper, and paperboard	7.0	7.7	9.7
Less than 50 lb	27.7	16.2	33.7
50 to 99 lb	28.0	28.5	22.6
100 to 499 lb	26.2	31.7	21.5
500 to 749 lb	28.3	30.9	18.6
750 to 999 lb	19.4	20.3	45.4
1,000 to 9,999 lb	15.3	8.7	26.7
10,000 to 49,999 lb	9.8	9.5	10.0
50,000 to 99,999 lb	14.9	12.5	13.6
100,000 lb or more	14.4	14.6	13.5
SCTG 28, Paper or paperboard articles	5.9	26.6	13.1
Less than 50 lb	30.9	13.6	34.7
50 to 99 lb	13.0	14.1	25.2
100 to 499 lb	12.2	14.8	18.5
500 to 749 lb	15.7	24.4	20.4
750 to 999 lb	18.5	23.3	47.7
1,000 to 9,999 lb	10.9	11.7	13.9
10,000 to 49,999 lb	9.4	38.2	16.3
50,000 to 99,999 lb	19.7	23.5	35.2
100,000 lb or more	31.8	31.6	40.0
SCTG 29, Printed products	5.9	10.8	20.9
Less than 50 lb	14.2	14.9	18.7
50 to 99 lb	11.4	14.3	21.7
100 to 499 lb	9.7	10.8	24.9
500 to 749 lb	12.2	22.2	33.9
750 to 999 lb	14.1	19.8	40.2
1,000 to 9,999 lb	7.5	12.4	45.7
10,000 to 49,999 lb	9.8	14.6	13.5
50,000 to 99,999 lb	36.6	37.6	36.1
100,000 lb or more	48.0	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	11.6	12.2	10.3
Less than 50 lb	23.6	15.1	18.1
50 to 99 lb	13.2	17.9	27.8
100 to 499 lb	9.3	10.2	12.0
500 to 749 lb	13.1	10.6	19.5
750 to 999 lb	13.3	22.0	17.5
1,000 to 9,999 lb	15.7	9.2	17.2
10,000 to 49,999 lb	37.5	27.0	22.7
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	5.3	11.1	8.4
Less than 50 lb	26.1	22.7	35.2
50 to 99 lb	27.8	19.6	46.1
100 to 499 lb	17.7	14.8	30.0
500 to 749 lb	23.3	12.8	35.0
750 to 999 lb	21.5	15.7	16.9
1,000 to 9,999 lb	17.7	17.2	17.4
10,000 to 49,999 lb	7.8	14.0	7.5
50,000 to 99,999 lb	7.8	9.5	8.3
100,000 lb or more	11.2	23.6	22.0
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	9.0	13.8	14.8
Less than 50 lb	31.4	27.4	S
50 to 99 lb	19.2	14.7	32.2
100 to 499 lb	15.2	10.1	21.0
500 to 749 lb	17.0	10.4	24.2
750 to 999 lb	14.4	11.1	22.2
1,000 to 9,999 lb	15.5	8.8	14.8
10,000 to 49,999 lb	11.7	13.0	19.5
50,000 to 99,999 lb	28.2	20.3	18.7
100,000 lb or more	25.6	41.5	14.7

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	7.6	9.5	13.5
Less than 50 lb	14.0	11.8	18.8
50 to 99 lb	14.1	10.1	18.3
100 to 499 lb	9.8	11.4	17.5
500 to 749 lb	15.0	16.0	23.1
750 to 999 lb	14.5	15.0	15.3
1,000 to 9,999 lb	11.4	12.4	18.2
10,000 to 49,999 lb	12.8	10.9	16.8
50,000 to 99,999 lb	24.8	31.3	46.3
100,000 lb or more	22.7	22.8	42.7
SCTG 34, Machinery	8.2	18.4	30.4
Less than 50 lb	12.3	11.1	21.8
50 to 99 lb	17.8	17.1	23.6
100 to 499 lb	13.7	18.0	25.2
500 to 749 lb	14.0	14.2	15.5
750 to 999 lb	21.0	11.8	14.6
1,000 to 9,999 lb	15.4	9.9	13.9
10,000 to 49,999 lb	13.3	11.3	15.2
50,000 to 99,999 lb	S	35.5	S
100,000 lb or more	38.5	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	8.7	16.2	28.6
Less than 50 lb	7.0	7.4	10.7
50 to 99 lb	7.9	14.7	11.1
100 to 499 lb	8.2	9.2	12.8
500 to 749 lb	16.2	12.1	20.6
750 to 999 lb	16.9	19.8	25.8
1,000 to 9,999 lb	20.0	29.3	48.6
10,000 to 49,999 lb	21.4	14.5	15.0
50,000 to 99,999 lb	S	33.3	34.8
100,000 lb or more	31.4	S	29.1
SCTG 36, Motorized and other vehicles (including parts)	11.9	14.9	16.2
Less than 50 lb	9.1	8.1	10.0
50 to 99 lb	10.3	11.2	19.8
100 to 499 lb	16.0	16.5	12.7
500 to 749 lb	23.7	20.3	24.4
750 to 999 lb	19.2	12.6	20.5
1,000 to 9,999 lb	13.6	10.1	9.0
10,000 to 49,999 lb	21.4	21.4	22.0
50,000 to 99,999 lb	36.6	42.1	43.2
100,000 lb or more	S	45.0	S
SCTG 37, Transportation equipment, n.e.c.	24.9	21.0	13.8
Less than 50 lb	19.9	21.6	26.6
50 to 99 lb	S	14.0	23.9
100 to 499 lb	22.3	32.1	46.5
500 to 749 lb	49.1	35.0	S
750 to 999 lb	28.0	42.0	S
1,000 to 9,999 lb	46.7	23.4	32.1
10,000 to 49,999 lb	S	30.6	22.0
50,000 to 99,999 lb	42.8	38.9	46.9
100,000 lb or more	41.2	44.9	31.0
SCTG 38, Precision instruments and apparatus	10.8	16.9	17.6
Less than 50 lb	10.4	10.9	13.4
50 to 99 lb	22.0	16.3	15.8
100 to 499 lb	15.3	15.5	19.0
500 to 749 lb	17.4	21.1	25.3
750 to 999 lb	19.5	21.2	36.5
1,000 to 9,999 lb	20.9	28.0	28.8
10,000 to 49,999 lb	28.3	28.2	41.8
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	13.4	14.5	16.2
Less than 50 lb	21.6	20.1	38.7
50 to 99 lb	34.4	24.4	46.6
100 to 499 lb	14.5	11.3	17.9
500 to 749 lb	17.5	11.8	14.1
750 to 999 lb	14.4	12.3	14.9
1,000 to 9,999 lb	16.1	13.0	14.3
10,000 to 49,999 lb	16.5	24.1	25.0
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	29.1	27.2	42.8
Less than 50 lb	13.7	13.5	16.7
50 to 99 lb	15.4	12.1	16.0
100 to 499 lb	9.9	12.4	9.7
500 to 749 lb	12.6	18.9	36.6
750 to 999 lb	12.2	10.5	10.7
1,000 to 9,999 lb	25.8	39.7	S
10,000 to 49,999 lb	S	38.6	38.4
50,000 to 99,999 lb	21.8	23.1	26.4
100,000 lb or more	36.1	S	46.7

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	14.4	16.8	21.3
Less than 50 lb	S	S	47.6
50 to 99 lb	S	49.3	43.5
100 to 499 lb	31.3	28.4	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	38.2	S	S
10,000 to 49,999 lb	15.1	19.9	23.8
50,000 to 99,999 lb	27.5	31.1	27.5
100,000 lb or more	30.1	28.4	31.9
SCTG 43, Mixed freight	30.2	37.0	38.5
Less than 50 lb	22.4	16.6	31.4
50 to 99 lb	27.6	17.4	38.7
100 to 499 lb	29.3	24.9	20.2
500 to 749 lb	14.7	15.0	24.4
750 to 999 lb	20.3	17.1	20.0
1,000 to 9,999 lb	31.7	13.3	14.3
10,000 to 49,999 lb	42.9	44.3	44.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	21.6	42.1	29.2
Less than 50 lb	21.1	29.3	27.7
50 to 99 lb	30.7	33.5	38.1
100 to 499 lb	S	49.4	26.9
500 to 749 lb	42.1	40.5	41.0
750 to 999 lb	32.7	23.9	31.4
1,000 to 9,999 lb	36.1	26.9	37.9
10,000 to 49,999 lb	33.0	32.4	34.1
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	3.7	5.5	2.8	5.3	3.9	7.4	7.4	11.3	6.3	5.6
Less than 50 lb	3.7	3.1	5.6	5.4	4.4	5.2	4.8	5.8	12.6	12.7
50 to 99 lb	6.2	4.7	5.9	6.4	7.1	6.1	5.7	10.4	8.3	8.1
100 to 499 lb	3.1	3.6	3.6	4.3	4.1	4.9	4.4	14.7	7.0	6.8
500 to 749 lb	5.7	4.3	7.6	6.5	6.2	5.1	4.9	7.3	8.4	8.0
750 to 999 lb	5.9	3.8	6.6	7.1	5.0	5.2	5.0	10.2	9.4	9.5
1,000 to 9,999 lb	4.7	3.4	11.4	8.5	6.0	4.6	5.6	14.2	5.9	6.1
10,000 to 49,999 lb	9.6	5.5	2.3	5.6	5.9	7.3	8.1	27.3	8.1	7.9
50,000 to 99,999 lb	8.1	7.9	3.9	7.6	7.9	9.9	8.1	9.9	6.6	6.9
100,000 lb or more	12.8	9.6	7.2	7.6	18.0	12.8	19.5	29.6	25.3	20.8
SCTG 01, Live animals and live fish	S	S	S	18.7	S	S	S	S	S	S
Less than 50 lb	S	S	S	24.3	S	S	S	—	—	—
50 to 99 lb	S	S	S	22.4	S	S	S	—	—	—
100 to 499 lb	S	S	S	21.2	S	S	S	—	—	—
500 to 749 lb	S	S	S	21.1	S	S	S	—	—	—
750 to 999 lb	S	S	S	23.2	S	S	S	—	—	—
1,000 to 9,999 lb	S	48.5	S	20.2	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	22.4	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	15.2	16.9	23.2	29.0	19.5	20.7	33.7	29.9	33.2	34.5
Less than 50 lb	S	S	S	26.2	S	S	S	—	—	—
50 to 99 lb	S	49.5	45.0	28.0	S	49.9	S	—	—	—
100 to 499 lb	S	36.4	S	22.8	S	39.1	S	S	S	S
500 to 749 lb	S	S	S	22.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.2	S	S	S	—	—	—
1,000 to 9,999 lb	S	38.0	47.7	27.5	S	40.4	34.7	S	S	S
10,000 to 49,999 lb	34.9	31.3	45.3	42.6	40.5	36.6	S	32.4	30.6	32.3
50,000 to 99,999 lb	24.9	26.2	44.3	15.6	29.6	30.6	41.2	41.2	45.0	45.4
100,000 lb or more	17.3	18.3	27.4	25.1	20.8	21.3	38.8	S	S	S
SCTG 03, Other agricultural products	9.1	11.1	9.6	35.1	15.0	20.0	15.6	10.2	14.5	15.2
Less than 50 lb	S	S	36.9	S	S	S	S	22.3	32.5	37.9
50 to 99 lb	38.0	28.8	S	22.4	28.3	27.5	30.7	34.7	42.7	41.3
100 to 499 lb	21.8	27.2	35.8	39.2	24.7	27.9	24.3	30.7	42.2	41.3
500 to 749 lb	20.3	26.6	20.4	S	20.7	31.9	21.5	31.9	42.3	38.8
750 to 999 lb	20.1	33.1	22.3	45.3	21.9	37.9	29.3	S	49.9	S
1,000 to 9,999 lb	16.6	23.7	26.7	16.7	25.5	35.1	25.0	19.5	23.6	24.5
10,000 to 49,999 lb	9.0	9.8	10.0	10.9	17.8	19.3	19.1	16.6	19.5	17.9
50,000 to 99,999 lb	15.8	16.5	31.5	22.2	24.2	27.7	19.3	26.1	44.8	S
100,000 lb or more	19.7	30.8	25.2	19.2	37.4	47.0	37.3	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	15.3	15.8	21.2	18.8	18.1	19.5	41.2	19.5	22.7	23.7
Less than 50 lb	S	S	S	18.9	33.4	34.2	22.6	49.9	31.5	31.8
50 to 99 lb	S	S	S	19.1	S	34.9	34.6	S	42.1	39.6
100 to 499 lb	46.8	36.0	S	21.1	41.5	35.0	24.6	43.3	45.9	43.0
500 to 749 lb	S	40.2	S	19.3	S	44.0	46.3	S	S	S
750 to 999 lb	S	42.9	S	21.9	48.7	42.1	42.3	S	S	S
1,000 to 9,999 lb	30.3	22.8	28.8	16.4	21.4	22.8	22.1	S	39.5	39.6
10,000 to 49,999 lb	16.7	17.9	25.0	18.0	21.8	23.0	43.3	22.2	25.9	26.2
50,000 to 99,999 lb	19.4	20.3	28.1	15.9	22.8	24.0	48.4	36.9	28.4	32.3
100,000 lb or more	28.3	24.0	29.3	17.2	44.9	35.2	36.0	43.8	44.4	43.7
SCTG 05, Meat, fish, seafood, and their preparations	9.0	16.6	16.5	31.1	12.4	25.3	27.7	18.0	18.2	18.4
Less than 50 lb	22.0	21.3	37.6	S	23.7	22.8	22.7	34.7	30.4	29.3
50 to 99 lb	18.7	19.9	40.5	47.6	20.6	21.9	20.7	41.9	34.6	33.4
100 to 499 lb	11.6	13.9	12.3	S	13.6	17.0	15.4	27.3	23.8	23.8
500 to 749 lb	15.0	15.6	13.1	31.6	19.1	18.1	16.0	22.9	28.0	26.4
750 to 999 lb	14.2	15.9	12.8	42.7	17.8	19.0	22.7	25.8	29.1	30.4
1,000 to 9,999 lb	13.1	10.6	15.6	24.7	16.4	13.7	15.2	17.9	15.7	16.5
10,000 to 49,999 lb	13.3	26.7	20.1	15.6	19.1	46.3	46.7	23.2	17.5	17.1
50,000 to 99,999 lb	33.7	36.7	S	S	37.2	S	S	S	S	S
100,000 lb or more	29.9	32.6	44.7	22.8	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	11.9	19.1	19.3	S	12.1	20.4	36.4	19.2	22.0	22.1
Less than 50 lb	41.5	S	33.7	S	44.9	S	45.5	38.8	S	S
50 to 99 lb	35.0	36.3	34.4	S	37.4	37.8	36.2	S	S	S
100 to 499 lb	18.7	21.1	24.7	S	22.5	22.8	24.1	30.5	31.1	32.4
500 to 749 lb	20.8	24.2	34.6	31.6	21.4	28.9	32.9	34.3	25.8	25.9
750 to 999 lb	24.2	47.1	36.3	S	22.0	42.8	31.0	S	S	S
1,000 to 9,999 lb	12.1	15.9	26.2	23.6	13.7	18.6	20.5	26.9	17.9	18.5
10,000 to 49,999 lb	15.3	24.6	15.3	15.6	18.2	32.5	S	21.9	27.8	28.1
50,000 to 99,999 lb	27.2	26.7	35.9	41.4	29.4	28.4	45.4	S	S	S
100,000 lb or more	30.8	44.5	44.1	17.3	43.9	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	4.4	10.9	7.3	9.7	6.5	16.9	23.8	7.1	9.4	8.8
Less than 50 lb	20.5	16.4	23.5	21.0	21.3	16.6	19.3	35.1	32.3	30.7
50 to 99 lb	18.9	19.2	23.0	26.0	19.5	22.1	20.4	24.6	19.4	17.8
100 to 499 lb	15.2	15.4	24.5	29.2	18.4	17.5	15.1	16.8	17.7	17.6
500 to 749 lb	11.9	12.9	17.6	22.9	14.0	15.0	16.8	20.9	20.8	20.9
750 to 999 lb	12.4	15.9	19.4	25.1	15.7	19.0	18.8	25.7	20.1	21.1
1,000 to 9,999 lb	12.9	13.3	10.1	16.2	18.3	15.7	18.7	12.9	15.9	17.1
10,000 to 49,999 lb	7.2	16.6	7.3	11.7	8.7	25.9	35.4	9.7	14.7	13.9
50,000 to 99,999 lb	18.7	29.8	25.2	11.2	19.8	27.1	23.9	21.7	20.3	19.3
100,000 lb or more	9.4	16.7	16.3	4.7	39.8	S	S	S	S	S
SCTG 08, Alcoholic beverages	10.5	11.7	26.6	23.5	6.9	7.0	9.5	14.0	17.4	17.3
Less than 50 lb	48.5	40.3	S	21.2	20.6	10.6	13.0	S	41.7	44.6
50 to 99 lb	12.7	9.6	13.8	18.6	13.3	12.8	14.5	27.3	21.9	22.8
100 to 499 lb	6.5	6.5	13.2	11.2	6.9	7.4	8.1	19.6	17.5	17.8
500 to 749 lb	9.3	11.8	18.2	13.1	10.7	12.8	13.9	34.5	22.5	22.2
750 to 999 lb	10.4	12.7	25.0	13.6	12.7	13.9	13.2	28.2	21.8	23.4
1,000 to 9,999 lb	7.8	8.0	28.6	15.8	7.2	8.0	8.1	28.6	25.9	24.6
10,000 to 49,999 lb	18.1	19.6	23.3	14.7	18.4	18.4	23.3	25.0	26.8	26.5
50,000 to 99,999 lb	33.6	22.8	24.1	37.5	S	S	S	40.3	41.1	40.4
100,000 lb or more	38.7	34.6	S	17.9	S	S	S	S	S	S
SCTG 09, Tobacco products	18.3	31.8	35.4	22.2	18.1	22.6	20.9	24.7	S	S
Less than 50 lb	19.6	22.0	34.1	28.4	25.1	28.8	28.3	26.4	27.9	27.7
50 to 99 lb	20.6	20.0	20.9	20.3	21.8	20.9	27.3	24.8	24.4	27.4
100 to 499 lb	21.2	17.1	19.0	10.6	26.9	21.5	20.3	20.3	15.9	16.1
500 to 749 lb	41.4	30.3	43.9	14.6	25.3	24.8	28.0	48.2	35.4	38.1
750 to 999 lb	S	31.1	30.9	20.6	S	44.4	48.1	41.8	41.1	42.5
1,000 to 9,999 lb	30.0	34.6	46.5	17.0	32.9	42.2	39.8	47.3	45.5	46.5
10,000 to 49,999 lb	S	S	S	21.7	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	42.4	S	S	S	46.8	S	S	S	S
Less than 50 lb	S	S	S	23.1	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	42.8	S	27.5	S	S	S	S	S	S
500 to 749 lb	S	S	S	21.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.8	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	20.4	S	S	S	S	S	S
10,000 to 49,999 lb	S	40.1	S	18.6	S	39.8	47.0	S	S	48.2
50,000 to 99,999 lb	S	S	S	45.4	S	S	S	—	—	—
100,000 lb or more	S	S	S	22.7	S	S	S	—	—	—
SCTG 11, Natural sands	18.1	26.3	23.6	26.9	23.0	28.4	29.9	22.3	39.4	40.7
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	22.3	S	S	S	—	—	—
100 to 499 lb	37.1	22.1	S	29.1	45.0	27.9	38.2	S	S	S
500 to 749 lb	47.7	45.9	S	25.2	50.0	46.8	S	S	S	S
750 to 999 lb	46.0	43.9	S	24.8	S	S	S	S	S	S
1,000 to 9,999 lb	S	24.7	36.4	49.2	37.0	26.7	22.1	S	S	S
10,000 to 49,999 lb	37.7	16.8	37.3	30.6	48.6	17.6	20.3	48.6	30.0	28.3
50,000 to 99,999 lb	17.7	15.4	25.3	19.8	19.3	17.0	17.6	35.8	35.0	35.3
100,000 lb or more	40.0	S	42.5	44.4	43.0	S	S	S	S	S
SCTG 12, Gravel and crushed stone	10.7	14.1	14.8	22.2	11.9	14.9	18.1	22.8	24.1	25.1
Less than 50 lb	S	S	S	22.4	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	16.5	S	S	S	—	—	—
500 to 749 lb	S	S	S	27.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.8	S	S	S	—	—	—
1,000 to 9,999 lb	48.9	35.2	24.7	14.9	S	35.6	28.6	S	38.9	39.8
10,000 to 49,999 lb	17.8	16.0	27.0	38.0	19.1	16.6	19.1	32.5	40.0	42.7
50,000 to 99,999 lb	18.2	20.7	19.3	8.9	19.5	21.3	22.7	25.3	20.2	21.1
100,000 lb or more	23.6	34.8	33.8	25.5	25.2	37.5	46.0	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	S	30.5	44.4	34.9	S	44.4	S	32.0	47.6	49.1
Less than 50 lb	47.9	32.2	S	S	S	44.7	38.3	S	S	S
50 to 99 lb	S	27.8	31.4	46.9	S	46.4	S	S	S	S
100 to 499 lb	31.7	27.5	28.0	S	37.7	29.2	34.6	S	S	S
500 to 749 lb	S	S	S	18.9	S	S	S	S	S	S
750 to 999 lb	S	38.8	49.3	S	S	47.2	S	S	S	S
1,000 to 9,999 lb	S	S	42.5	S	S	S	47.8	45.0	S	S
10,000 to 49,999 lb	S	46.4	40.1	28.1	S	S	S	46.0	41.9	40.9
50,000 to 99,999 lb	S	32.9	S	41.3	S	45.8	46.4	39.6	46.1	44.4
100,000 lb or more	25.7	46.5	29.9	S	S	S	41.4	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	38.1	S	46.6	44.0	S	S	S	S	S	S
Less than 50 lb	S	S	41.7	S	S	S	S	S	S	S
50 to 99 lb	S	49.3	35.5	S	S	49.9	S	S	S	S
100 to 499 lb	S	48.7	S	25.7	S	35.3	40.9	S	S	S
500 to 749 lb	S	43.0	S	28.8	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.7	S	S	S	—	—	—
1,000 to 9,999 lb	42.0	40.3	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	44.4	S	48.3	S	S	S	S
50,000 to 99,999 lb	S	40.2	S	25.2	—	—	—	S	S	S
100,000 lb or more	49.0	S	S	22.9	S	S	S	—	—	—
SCTG 15, Coal	S	S	S	23.5	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	22.4	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	21.2	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	10.1	9.9	22.9	18.1	10.6	10.6	8.2	32.7	39.7	32.2
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	40.3	34.4	32.9	S	40.7	28.8	S	S	S
500 to 749 lb	27.9	31.5	31.1	23.0	29.9	32.7	25.9	S	S	S
750 to 999 lb	34.2	32.5	30.2	32.9	35.5	33.5	30.7	S	S	S
1,000 to 9,999 lb	S	46.6	43.8	16.5	S	47.0	48.6	S	S	S
10,000 to 49,999 lb	19.0	16.3	41.9	21.7	18.6	13.8	17.5	31.8	32.3	29.6
50,000 to 99,999 lb	8.4	11.9	16.2	12.8	7.6	10.8	11.7	16.0	17.1	17.3
100,000 lb or more	17.3	17.1	31.3	19.7	22.0	21.8	17.4	S	S	S
SCTG 18, Fuel oils	8.7	12.1	28.7	21.5	10.1	13.2	15.6	19.0	23.8	23.0
Less than 50 lb	S	46.2	S	S	S	45.5	S	S	S	S
50 to 99 lb	38.3	35.9	34.3	20.2	38.8	36.4	36.6	S	S	S
100 to 499 lb	42.4	34.6	22.5	S	35.9	34.8	23.5	S	S	S
500 to 749 lb	39.6	26.9	19.7	19.4	29.8	27.1	19.6	S	S	S
750 to 999 lb	31.5	31.9	40.5	18.7	29.9	30.1	26.7	S	S	S
1,000 to 9,999 lb	30.5	17.2	25.1	9.9	31.3	17.7	29.8	S	41.5	36.8
10,000 to 49,999 lb	16.3	15.6	31.8	12.6	15.1	14.3	22.2	41.9	42.9	40.9
50,000 to 99,999 lb	17.3	17.1	31.8	43.3	15.8	14.8	22.5	39.4	41.4	36.5
100,000 lb or more	16.5	18.3	34.7	S	21.4	22.4	25.0	31.3	37.4	38.6
SCTG 19, Coal and petroleum products, n.e.c.	13.4	19.0	19.1	36.8	15.6	23.1	38.5	14.3	21.6	21.5
Less than 50 lb	33.1	34.8	30.3	S	38.8	37.5	32.6	S	S	S
50 to 99 lb	26.9	33.3	24.7	25.0	27.5	34.5	30.4	S	S	S
100 to 499 lb	19.7	32.9	25.8	27.9	20.9	36.5	41.7	38.6	34.1	33.8
500 to 749 lb	46.5	S	S	S	S	S	S	S	S	S
750 to 999 lb	23.4	38.1	34.5	34.3	26.2	41.8	32.5	S	S	S
1,000 to 9,999 lb	19.9	25.3	21.1	33.5	22.4	27.5	19.9	28.0	27.7	30.3
10,000 to 49,999 lb	18.9	32.2	16.2	38.1	21.0	36.7	43.6	19.8	20.2	23.5
50,000 to 99,999 lb	23.7	22.5	20.6	12.1	27.2	24.4	25.1	27.7	30.0	27.3
100,000 lb or more	30.6	31.5	32.4	25.7	30.9	39.9	S	S	S	S
SCTG 20, Basic chemicals ..	12.4	25.8	9.7	17.2	15.2	37.8	34.1	18.7	16.3	15.5
Less than 50 lb	21.9	23.7	33.8	13.7	21.3	22.0	21.4	36.9	38.5	36.2
50 to 99 lb	28.6	20.7	44.3	19.9	24.1	19.4	16.6	50.0	42.6	46.9
100 to 499 lb	26.1	21.9	35.1	35.2	41.1	25.8	27.4	24.6	38.7	37.8
500 to 749 lb	21.6	19.8	S	24.3	26.6	22.5	24.4	S	38.5	39.1
750 to 999 lb	30.7	30.5	38.1	32.1	24.9	35.0	36.5	S	S	S
1,000 to 9,999 lb	21.2	17.9	26.3	20.5	21.0	19.5	18.3	42.1	35.6	35.6
10,000 to 49,999 lb	14.7	35.3	17.8	26.6	15.1	49.1	44.3	21.6	25.6	25.3
50,000 to 99,999 lb	21.2	40.7	29.7	S	33.6	49.6	41.1	36.7	21.1	21.0
100,000 lb or more	18.9	19.0	15.0	11.0	21.2	S	S	33.4	19.0	17.7
SCTG 21, Pharmaceutical products	11.7	20.2	25.4	10.7	18.5	34.4	12.4	19.1	16.1	16.7
Less than 50 lb	15.0	12.4	12.6	13.8	22.5	14.8	14.8	19.2	18.3	19.1
50 to 99 lb	17.4	12.1	21.6	15.3	21.8	14.9	13.5	34.3	25.3	26.7
100 to 499 lb	11.9	13.0	20.2	14.6	20.0	19.5	19.8	31.7	16.3	16.6
500 to 749 lb	15.4	17.9	44.4	39.6	28.1	25.5	29.6	S	43.1	42.3
750 to 999 lb	19.3	17.0	S	28.9	33.5	22.6	26.9	S	48.2	49.3
1,000 to 9,999 lb	21.3	20.3	31.0	23.9	34.8	22.5	24.5	S	32.8	33.7
10,000 to 49,999 lb	S	S	49.5	46.5	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	21.8	—	—	—	—	—	—
100,000 lb or more	S	S	S	22.4	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	10.1	29.7	47.9	11.3	11.8	30.0	47.3	16.8	S	48.2
Less than 50 lb	36.1	S	36.8	S	38.9	S	49.7	S	S	S
50 to 99 lb	33.9	38.6	S	S	36.6	43.3	32.7	S	S	S
100 to 499 lb	19.0	20.0	23.4	24.9	20.6	22.3	17.2	S	S	S
500 to 749 lb	20.6	21.9	31.4	25.6	24.4	24.0	25.3	S	45.7	43.4
750 to 999 lb	26.9	31.5	35.9	S	29.0	37.4	22.2	S	S	S
1,000 to 9,999 lb	14.5	15.6	15.4	8.8	15.4	16.1	14.9	22.8	23.2	29.2
10,000 to 49,999 lb	15.1	41.4	35.3	18.8	19.6	42.6	S	20.7	S	S
50,000 to 99,999 lb	12.1	28.8	29.5	12.9	12.2	23.6	40.6	25.7	S	S
100,000 lb or more	34.1	40.4	S	26.7	33.8	38.8	48.2	S	48.5	46.4
SCTG 23, Chemical products and preparations, n.e.c.	6.5	11.4	15.8	13.2	10.4	13.3	12.9	18.9	10.0	10.4
Less than 50 lb	14.6	19.6	17.9	17.7	16.3	18.6	20.6	26.7	33.6	32.8
50 to 99 lb	17.9	17.3	21.8	18.3	16.1	17.1	21.6	22.4	19.5	18.9
100 to 499 lb	15.3	16.5	11.5	13.3	14.1	18.0	21.9	S	38.8	42.2
500 to 749 lb	14.8	17.7	23.2	15.0	15.1	19.6	22.0	S	23.6	23.3
750 to 999 lb	13.7	15.5	16.9	15.6	17.2	17.4	17.0	30.6	39.1	38.3
1,000 to 9,999 lb	9.8	8.9	12.4	7.6	10.6	9.4	9.4	17.7	13.1	11.8
10,000 to 49,999 lb	13.6	19.5	13.0	16.3	19.8	23.6	23.0	18.0	15.6	16.6
50,000 to 99,999 lb	44.0	20.3	15.7	43.3	S	28.9	30.8	20.0	21.8	21.1
100,000 lb or more	S	S	49.5	17.3	S	S	S	—	—	—
SCTG 24, Plastics and rubber	5.0	8.6	10.5	11.2	7.0	13.3	13.3	19.7	24.0	20.6
Less than 50 lb	14.4	11.9	23.8	11.7	20.6	15.5	13.4	13.4	17.0	15.6
50 to 99 lb	9.4	12.0	20.5	15.7	13.7	16.6	13.6	18.5	15.9	16.4
100 to 499 lb	10.3	11.7	14.4	11.6	12.4	17.3	14.7	16.5	12.6	12.8
500 to 749 lb	15.3	14.7	17.8	13.8	23.5	21.4	24.3	15.9	17.7	20.1
750 to 999 lb	10.7	9.8	14.6	13.2	15.0	17.7	18.1	29.1	28.0	27.5
1,000 to 9,999 lb	8.3	8.9	12.9	11.9	8.3	11.1	13.3	25.1	28.2	26.6
10,000 to 49,999 lb	11.5	12.0	11.2	10.5	15.7	16.2	18.5	42.4	35.6	28.5
50,000 to 99,999 lb	45.6	49.4	25.1	S	S	S	47.3	46.7	S	S
100,000 lb or more	S	34.7	S	46.5	S	S	40.5	S	S	S
SCTG 25, Logs and other wood in the rough	9.7	23.7	18.2	16.1	12.6	29.6	16.6	17.0	19.1	19.5
Less than 50 lb	S	S	S	26.7	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	45.9	S	S	48.6	S	S	S	S	S	S
500 to 749 lb	S	S	S	25.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.3	39.1	24.6	44.0	35.1	45.6	43.1	39.6	35.7	36.9
10,000 to 49,999 lb	15.0	26.4	23.3	33.3	22.2	31.1	40.6	36.3	35.4	37.8
50,000 to 99,999 lb	12.6	33.6	13.7	20.2	16.0	41.0	18.8	23.1	23.4	24.7
100,000 lb or more	34.0	34.5	48.2	S	45.5	39.8	43.7	44.6	44.4	41.0
SCTG 26, Wood products	6.0	13.2	8.3	8.8	10.1	25.5	21.2	9.4	23.2	23.8
Less than 50 lb	24.5	12.8	21.9	22.7	25.4	13.3	18.2	44.2	38.2	39.2
50 to 99 lb	17.6	16.4	18.9	15.6	19.5	12.8	13.2	38.5	42.8	42.5
100 to 499 lb	13.5	13.4	19.3	17.9	13.2	12.8	15.3	30.2	33.3	34.6
500 to 749 lb	11.0	12.2	22.1	19.8	14.2	15.1	12.2	32.2	30.2	32.2
750 to 999 lb	14.5	12.6	27.4	23.2	16.0	14.0	13.9	47.9	47.6	47.2
1,000 to 9,999 lb	7.0	8.2	12.5	9.9	8.1	11.2	7.4	15.7	13.2	12.9
10,000 to 49,999 lb	6.7	12.3	8.9	8.8	12.2	17.4	18.9	13.4	20.0	18.5
50,000 to 99,999 lb	10.7	16.3	9.5	9.5	18.1	24.4	25.0	13.4	27.2	23.7
100,000 lb or more	11.4	29.6	11.8	7.1	44.5	S	S	41.0	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	7.0	7.7	9.7	31.9	12.5	8.4	9.9	11.0	14.0	13.0
Less than 50 lb	27.7	16.2	33.7	34.4	34.3	20.2	24.0	37.6	23.2	23.6
50 to 99 lb	28.0	28.5	22.6	S	30.9	29.8	34.8	41.2	30.4	30.1
100 to 499 lb	26.2	31.7	21.5	17.2	31.5	37.6	43.8	22.1	19.2	18.3
500 to 749 lb	28.3	30.9	18.6	44.4	34.9	36.6	43.8	28.0	25.6	27.4
750 to 999 lb	19.4	20.3	45.4	S	24.9	26.2	19.4	28.5	28.4	28.7
1,000 to 9,999 lb	15.3	8.7	26.7	24.0	20.4	10.7	10.9	15.9	13.9	15.0
10,000 to 49,999 lb	9.8	9.5	10.0	6.4	13.0	13.6	14.5	20.1	20.2	19.2
50,000 to 99,999 lb	14.9	12.5	13.6	31.0	35.6	25.3	25.6	24.7	24.8	24.0
100,000 lb or more	14.4	14.6	13.5	6.8	27.4	24.3	26.9	28.9	24.4	24.0
SCTG 28, Paper or paperboard articles	5.9	26.6	13.1	14.1	9.2	40.8	47.0	13.8	11.7	11.6
Less than 50 lb	30.9	13.6	34.7	13.5	18.1	14.1	13.7	38.0	22.5	22.1
50 to 99 lb	13.0	14.1	25.2	17.3	11.4	15.6	15.5	31.8	31.5	29.3
100 to 499 lb	12.2	14.8	18.5	19.7	16.4	18.8	17.4	21.1	21.3	21.3
500 to 749 lb	15.7	24.4	20.4	32.9	19.5	29.5	29.2	32.4	34.4	34.4
750 to 999 lb	18.5	23.3	47.7	21.5	18.4	22.8	29.6	38.5	43.8	43.4
1,000 to 9,999 lb	10.9	11.7	13.9	15.8	13.8	15.8	15.8	27.5	19.7	20.2
10,000 to 49,999 lb	9.4	38.2	16.3	17.7	19.3	S	S	15.1	15.9	15.1
50,000 to 99,999 lb	19.7	23.5	35.2	22.7	21.4	28.7	33.7	39.2	S	S
100,000 lb or more	31.8	31.6	40.0	43.8	38.0	41.4	30.3	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	5.9	10.8	20.9	12.3	6.0	12.1	12.2	20.8	11.7	11.9
Less than 50 lb	14.2	14.9	18.7	14.9	16.7	13.5	18.3	S	S	S
50 to 99 lb	11.4	14.3	21.7	22.0	11.0	17.9	21.6	33.7	30.9	30.3
100 to 499 lb	9.7	10.8	24.9	14.7	8.9	11.8	11.3	16.0	21.9	19.2
500 to 749 lb	12.2	22.2	33.9	13.4	13.3	19.1	17.0	28.5	47.1	47.3
750 to 999 lb	14.1	19.8	40.2	15.6	20.6	23.7	22.3	33.5	28.7	27.3
1,000 to 9,999 lb	7.5	12.4	45.7	16.3	9.8	11.1	13.7	16.7	19.8	19.6
10,000 to 49,999 lb	9.8	14.6	13.5	36.3	16.4	19.0	16.9	24.8	23.1	22.1
50,000 to 99,999 lb	36.6	37.6	36.1	S	44.2	41.6	40.7	S	S	S
100,000 lb or more	48.0	S	S	S	50.0	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	11.6	12.2	10.3	4.5	12.9	13.9	17.2	12.7	28.8	29.8
Less than 50 lb	23.6	15.1	18.1	3.4	16.0	18.1	13.0	16.8	12.6	12.6
50 to 99 lb	13.2	17.9	27.8	6.3	19.7	13.3	13.7	18.5	13.3	14.4
100 to 499 lb	9.3	10.2	12.0	10.4	18.8	21.7	20.2	17.9	17.1	15.9
500 to 749 lb	13.1	10.6	19.5	15.0	19.3	21.1	26.1	26.2	25.9	25.8
750 to 999 lb	13.3	22.0	17.5	20.9	26.6	35.6	45.6	S	39.3	39.7
1,000 to 9,999 lb	15.7	9.2	17.2	14.7	18.4	15.5	20.9	15.6	20.0	19.4
10,000 to 49,999 lb	37.5	27.0	22.7	14.8	33.3	26.3	35.8	34.1	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	20.8	—	—	—	—	—	—
SCTG 31, Nonmetallic mineral products	5.3	11.1	8.4	17.6	8.8	14.1	14.4	11.6	13.8	15.1
Less than 50 lb	26.1	22.7	35.2	14.5	41.2	27.1	29.5	37.6	36.1	32.3
50 to 99 lb	27.8	19.6	46.1	14.1	17.4	16.7	22.1	20.5	24.1	22.0
100 to 499 lb	17.7	14.8	30.0	14.6	20.2	16.4	14.3	22.8	28.2	27.7
500 to 749 lb	23.3	12.8	35.0	27.6	21.8	15.8	16.0	39.3	20.7	22.7
750 to 999 lb	21.5	15.7	16.9	20.9	27.8	16.4	16.7	30.1	37.2	38.7
1,000 to 9,999 lb	17.7	17.2	17.4	16.3	19.2	19.5	22.6	28.4	22.3	22.9
10,000 to 49,999 lb	7.8	14.0	7.5	9.1	12.6	15.8	15.3	16.1	19.6	19.0
50,000 to 99,999 lb	7.8	9.5	8.3	8.7	14.3	14.8	12.8	9.5	11.3	10.9
100,000 lb or more	11.2	23.6	22.0	28.3	22.8	37.0	45.2	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	9.0	13.8	14.8	15.0	9.2	20.2	18.9	29.9	34.4	38.4
Less than 50 lb	31.4	27.4	S	13.8	18.3	19.7	17.3	25.4	22.8	23.4
50 to 99 lb	19.2	14.7	32.2	15.7	17.8	15.2	17.7	26.7	21.5	22.2
100 to 499 lb	15.2	10.1	21.0	20.1	13.3	11.6	14.5	24.0	14.1	13.3
500 to 749 lb	17.0	10.4	24.2	25.4	19.7	12.7	15.7	28.4	18.7	18.6
750 to 999 lb	14.4	11.1	22.2	15.8	14.7	13.1	13.1	29.5	27.5	27.2
1,000 to 9,999 lb	15.5	8.8	14.8	12.3	10.7	12.4	14.6	15.0	13.8	14.3
10,000 to 49,999 lb	11.7	13.0	19.5	13.8	14.2	14.9	15.5	34.6	33.6	37.1
50,000 to 99,999 lb	28.2	20.3	18.7	18.6	26.2	28.1	23.8	S	S	S
100,000 lb or more	25.6	41.5	14.7	13.0	S	S	S	S	S	S
SCTG 33, Articles of base metal	7.6	9.5	13.5	12.1	9.7	10.8	11.8	10.8	14.6	14.4
Less than 50 lb	14.0	11.8	18.8	14.2	22.1	17.1	23.0	19.3	19.5	18.2
50 to 99 lb	14.1	10.1	18.3	12.7	25.2	12.8	16.4	27.9	19.4	19.9
100 to 499 lb	9.8	11.4	17.5	9.8	11.7	11.2	14.3	20.2	24.5	22.8
500 to 749 lb	15.0	16.0	23.1	16.6	16.1	16.3	21.9	37.6	33.4	32.3
750 to 999 lb	14.5	15.0	15.3	18.6	16.4	20.2	28.3	21.3	21.5	22.9
1,000 to 9,999 lb	11.4	12.4	18.2	9.9	18.9	16.4	17.2	15.5	11.8	11.1
10,000 to 49,999 lb	12.8	10.9	16.8	10.4	14.6	12.3	15.8	15.9	16.8	16.7
50,000 to 99,999 lb	24.8	31.3	46.3	17.1	34.7	33.6	35.4	S	S	S
100,000 lb or more	22.7	22.8	42.7	19.7	46.0	33.4	36.2	S	S	S
SCTG 34, Machinery	8.2	18.4	30.4	11.1	8.8	15.4	28.6	11.2	12.0	12.1
Less than 50 lb	12.3	11.1	21.8	11.5	15.7	13.9	15.0	24.5	12.6	12.7
50 to 99 lb	17.8	17.1	23.6	16.8	31.8	26.3	25.6	21.6	18.9	16.3
100 to 499 lb	13.7	18.0	25.2	14.7	16.9	25.5	27.0	15.2	13.4	12.9
500 to 749 lb	14.0	14.2	15.5	13.6	19.1	20.8	33.8	44.6	35.7	35.7
750 to 999 lb	21.0	11.8	14.6	16.9	36.2	25.8	25.8	36.3	22.1	21.3
1,000 to 9,999 lb	15.4	9.9	13.9	7.1	16.0	15.0	14.1	25.5	20.8	21.8
10,000 to 49,999 lb	13.3	11.3	15.2	11.1	25.8	23.2	32.2	27.7	36.1	33.5
50,000 to 99,999 lb	S	35.5	S	20.4	S	46.3	37.5	S	S	S
100,000 lb or more	38.5	S	S	21.3	43.6	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	8.7	16.2	28.6	6.4	7.8	8.5	10.0	25.2	18.4	19.3
Less than 50 lb	7.0	7.4	10.7	6.6	7.7	10.8	7.6	15.2	11.7	10.9
50 to 99 lb	7.9	14.7	11.1	11.8	15.0	23.6	19.3	25.2	17.4	17.0
100 to 499 lb	8.2	9.2	12.8	9.0	11.1	13.8	11.1	44.9	17.5	17.9
500 to 749 lb	16.2	12.1	20.6	9.9	18.9	12.8	12.2	27.8	32.8	33.4
750 to 999 lb	16.9	19.8	25.8	13.8	23.5	33.0	23.3	S	41.8	40.8
1,000 to 9,999 lb	20.0	29.3	48.6	8.8	13.2	11.3	12.2	S	38.6	39.5
10,000 to 49,999 lb	21.4	14.5	15.0	11.6	30.1	22.4	26.9	47.1	28.6	27.9
50,000 to 99,999 lb	S	33.3	34.8	25.0	S	S	S	S	S	S
100,000 lb or more	31.4	S	29.1	S	47.0	S	S	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	11.9	14.9	16.2	11.2	17.5	18.1	16.6	10.4	15.1	17.8
Less than 50 lb	9.1	8.1	10.0	15.6	12.7	13.3	9.9	16.5	20.6	23.1
50 to 99 lb	10.3	11.2	19.8	16.5	15.2	19.1	20.1	17.1	13.9	15.1
100 to 499 lb	16.0	16.5	12.7	11.3	16.8	20.6	27.9	18.3	15.3	15.3
500 to 749 lb	23.7	20.3	24.4	16.7	25.5	18.2	21.3	35.3	29.1	30.1
750 to 999 lb	19.2	12.6	20.5	17.8	33.0	21.7	19.7	39.0	31.0	36.0
1,000 to 9,999 lb	13.6	10.1	9.0	11.2	18.7	17.3	20.8	18.9	29.0	32.3
10,000 to 49,999 lb	21.4	21.4	22.0	12.7	23.6	27.0	32.8	27.5	22.2	24.0
50,000 to 99,999 lb	36.6	42.1	43.2	27.3	39.7	30.2	36.1	S	S	S
100,000 lb or more	S	45.0	S	22.8	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	24.9	21.0	13.8	9.1	S	34.2	39.1	24.4	32.2	40.2
Less than 50 lb	19.9	21.6	26.6	8.5	15.1	29.0	31.2	38.5	20.9	19.9
50 to 99 lb	S	14.0	23.9	13.7	19.6	30.7	31.6	S	48.2	49.1
100 to 499 lb	22.3	32.1	46.5	12.8	27.5	44.4	40.5	40.1	44.8	40.4
500 to 749 lb	49.1	35.0	S	18.7	S	44.3	42.4	S	S	S
750 to 999 lb	28.0	42.0	S	15.3	S	S	S	S	S	S
1,000 to 9,999 lb	46.7	23.4	32.1	17.6	36.6	30.0	38.9	34.1	S	S
10,000 to 49,999 lb	S	30.6	22.0	17.2	36.6	43.5	S	S	S	S
50,000 to 99,999 lb	42.8	38.9	46.9	23.4	S	S	S	—	—	—
100,000 lb or more	41.2	44.9	31.0	41.6	S	49.9	40.5	—	—	—
SCTG 38, Precision instruments and apparatus	10.8	16.9	17.6	4.7	16.5	26.6	32.6	20.9	33.7	31.6
Less than 50 lb	10.4	10.9	13.4	4.7	14.4	17.6	14.3	22.9	17.7	18.1
50 to 99 lb	22.0	16.3	15.8	9.5	28.3	28.1	31.2	S	35.4	34.1
100 to 499 lb	15.3	15.5	19.0	9.5	27.4	23.1	26.8	36.3	33.9	33.9
500 to 749 lb	17.4	21.1	25.3	15.3	34.2	39.2	40.3	43.1	S	S
750 to 999 lb	19.5	21.2	36.5	15.8	37.9	36.9	39.4	S	S	S
1,000 to 9,999 lb	20.9	28.0	28.8	17.6	35.7	39.1	45.3	S	S	S
10,000 to 49,999 lb	28.3	28.2	41.8	19.0	S	41.6	41.7	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	13.4	14.5	16.2	10.4	16.0	22.3	19.3	14.3	18.8	18.2
Less than 50 lb	21.6	20.1	38.7	14.7	19.9	17.4	23.6	43.6	38.3	42.0
50 to 99 lb	34.4	24.4	46.6	13.1	18.3	15.8	16.4	S	45.4	37.7
100 to 499 lb	14.5	11.3	17.9	9.7	14.8	13.8	13.4	16.5	20.4	21.3
500 to 749 lb	17.5	11.8	14.1	10.3	18.9	16.5	14.7	20.5	18.4	18.7
750 to 999 lb	14.4	12.3	14.9	11.9	16.9	18.8	18.5	25.9	22.0	21.7
1,000 to 9,999 lb	16.1	13.0	14.3	8.8	23.1	19.0	15.3	16.9	17.5	18.8
10,000 to 49,999 lb	16.5	24.1	25.0	9.2	35.4	S	S	33.2	43.0	42.5
50,000 to 99,999 lb	S	S	S	20.5	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.3	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products	29.1	27.2	42.8	5.7	22.2	17.4	19.6	S	S	46.6
Less than 50 lb	13.7	13.5	16.7	5.6	14.7	14.1	16.7	28.1	14.0	13.9
50 to 99 lb	15.4	12.1	16.0	8.0	13.8	16.5	15.3	23.8	9.1	8.3
100 to 499 lb	9.9	12.4	9.7	11.3	17.3	20.5	24.6	18.1	31.1	30.4
500 to 749 lb	12.6	18.9	36.6	10.3	17.3	24.2	27.5	21.8	38.1	38.4
750 to 999 lb	12.2	10.5	10.7	10.7	16.8	21.1	22.5	19.6	24.9	22.6
1,000 to 9,999 lb	25.8	39.7	S	8.7	38.9	24.1	25.8	23.2	S	44.6
10,000 to 49,999 lb	S	38.6	38.4	18.7	S	25.0	23.6	S	S	S
50,000 to 99,999 lb	21.8	23.1	26.4	15.1	24.6	25.7	25.1	25.8	40.6	40.9
100,000 lb or more	36.1	S	46.7	S	39.4	S	S	S	S	S
SCTG 41, Waste and scrap	14.4	16.8	21.3	27.2	18.0	19.9	20.5	26.1	24.6	30.1
Less than 50 lb	S	S	47.6	S	S	S	S	S	S	S
50 to 99 lb	S	49.3	43.5	26.6	S	49.3	43.5	—	—	—
100 to 499 lb	31.3	28.4	S	43.9	46.1	41.4	48.5	—	—	—
500 to 749 lb	S	S	S	21.4	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	38.2	S	S	S	39.1	S	36.4	S	S	S
10,000 to 49,999 lb	15.1	19.9	23.8	24.2	20.4	24.7	28.2	35.9	25.4	24.6
50,000 to 99,999 lb	27.5	31.1	27.5	20.3	43.5	47.2	28.9	S	41.2	S
100,000 lb or more	30.1	28.4	31.9	24.6	S	40.0	45.3	S	S	S
SCTG 43, Mixed freight	30.2	37.0	38.5	19.4	27.7	34.7	35.3	34.2	42.1	41.6
Less than 50 lb	22.4	16.6	31.4	15.9	22.4	16.5	20.1	29.6	24.8	25.5
50 to 99 lb	27.6	17.4	38.7	21.4	36.2	24.5	26.9	29.8	22.8	24.4
100 to 499 lb	29.3	24.9	20.2	44.2	39.2	33.5	18.6	24.0	26.6	26.5
500 to 749 lb	14.7	15.0	24.4	37.7	16.9	17.8	23.2	20.5	19.5	21.6
750 to 999 lb	20.3	17.1	20.0	14.2	24.8	22.9	22.2	25.6	26.9	26.7
1,000 to 9,999 lb	31.7	13.3	14.3	10.0	35.2	16.6	16.3	29.0	17.3	18.3
10,000 to 49,999 lb	42.9	44.3	44.4	44.0	41.8	43.4	43.1	46.1	48.2	47.8
50,000 to 99,999 lb	S	S	S	20.7	S	S	S	S	S	S
100,000 lb or more	S	S	S	25.0	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	21.6	42.1	29.2	19.9	39.7	S	S	S	S	S
Less than 50 lb	21.1	29.3	27.7	21.4	40.6	39.2	43.7	S	49.2	S
50 to 99 lb	30.7	33.5	38.1	35.8	40.1	39.5	41.7	43.1	36.8	37.9
100 to 499 lb	S	49.4	26.9	S	S	40.7	48.3	49.2	S	S
500 to 749 lb	42.1	40.5	41.0	42.7	S	37.0	41.7	S	S	S
750 to 999 lb	32.7	23.9	31.4	32.4	33.1	31.7	35.9	S	S	S
1,000 to 9,999 lb	36.1	26.9	37.9	20.8	S	35.3	30.8	S	S	S
10,000 to 49,999 lb	33.0	32.4	34.1	18.9	40.9	41.5	40.0	27.7	25.1	25.5
50,000 to 99,999 lb	S	S	S	S	46.4	S	S	S	S	S
100,000 lb or more	S	S	S	41.1	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	8.7	8.2	7.8	6.8	10.9	9.7	3.7	9.1	8.8	8.9	11.2	9.9
Less than 50 lb	5.4	12.3	12.2	4.9	4.6	4.8	5.7	5.2	5.1	8.9	5.7	5.8
50 to 99 lb	18.8	13.0	10.7	10.4	8.5	8.4	13.0	8.2	8.0	20.2	10.3	10.9
100 to 499 lb	5.6	5.9	5.8	7.5	5.4	5.1	13.2	9.2	9.3	13.6	13.9	15.0
500 to 749 lb	16.8	7.6	7.8	14.9	11.0	10.4	16.3	15.9	15.3	16.0	15.0	15.0
750 to 999 lb	12.4	7.7	8.7	13.1	6.7	6.4	19.6	13.5	13.8	22.9	13.7	13.7
1,000 to 9,999 lb	13.1	7.2	6.7	8.7	6.4	6.0	10.8	8.3	8.1	9.8	8.7	8.7
10,000 to 49,999 lb	22.6	7.7	8.3	13.6	6.0	6.4	4.7	3.2	3.3	7.7	11.4	11.7
50,000 to 99,999 lb	18.0	6.6	7.7	21.6	13.3	12.6	17.5	28.5	26.0	47.3	21.1	20.2
100,000 lb or more	16.8	20.4	18.5	20.4	23.5	20.5	19.9	24.5	22.7	49.7	18.0	14.7
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	29.1	29.1	30.0	S	S	S	S	42.6	39.8	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	44.6	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	46.3	48.9	S	S	S	S	47.4	47.9	49.6	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	31.1	31.4	32.3	S	S	S	S	S	S	S	S	S
SCTG 03, Other agricultural products	13.8	14.3	13.7	13.3	22.1	21.7	22.1	19.0	19.0	15.7	16.7	16.7
Less than 50 lb	S	S	S	44.7	38.4	37.9	38.6	S	S	S	S	S
50 to 99 lb	36.8	40.6	37.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	40.2	S	48.5	46.9	28.0	26.4	S	S	S	S	43.0	42.2
500 to 749 lb	31.7	33.9	36.2	S	36.4	36.3	31.0	45.2	45.7	S	S	S
750 to 999 lb	43.5	S	S	37.0	46.0	43.9	S	S	S	47.0	S	S
1,000 to 9,999 lb	18.5	22.8	23.9	23.2	36.3	32.8	27.7	34.1	33.0	30.0	32.1	31.9
10,000 to 49,999 lb	19.7	19.2	19.1	18.2	25.2	24.5	19.3	23.5	23.9	18.0	20.9	21.0
50,000 to 99,999 lb	30.3	28.3	32.1	45.4	48.0	49.5	S	S	S	S	S	S
100,000 lb or more	27.7	26.3	29.1	42.7	48.7	44.8	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	18.6	31.1	32.3	36.9	36.5	34.9	34.1	S	S	36.7	38.7	38.0
Less than 50 lb	S	49.3	48.8	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	31.6	39.9	39.5	S	S	S	S	S	S	S	S	S
500 to 749 lb	36.8	45.4	44.9	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	49.6	48.4	48.1	—	—	—
1,000 to 9,999 lb	S	37.7	35.7	32.8	41.1	39.6	44.8	S	S	S	S	S
10,000 to 49,999 lb	25.7	42.0	41.8	34.2	35.7	34.5	34.8	33.1	32.4	S	42.9	43.4
50,000 to 99,999 lb	29.2	33.9	37.1	S	S	S	S	S	S	S	S	S
100,000 lb or more	25.5	25.9	25.7	S	S	S	S	S	S	42.1	43.4	42.6
SCTG 05, Meat, fish, seafood, and their preparations	14.8	13.8	13.2	18.7	20.6	20.0	18.8	20.0	20.9	23.9	27.4	28.7
Less than 50 lb	36.1	37.8	32.9	S	43.9	49.4	S	S	S	S	S	S
50 to 99 lb	29.3	34.0	32.7	47.4	46.1	44.4	S	S	S	S	S	S
100 to 499 lb	18.1	17.4	18.5	22.8	24.8	25.1	36.8	29.8	29.9	44.1	44.7	44.3
500 to 749 lb	24.2	28.0	24.0	33.0	35.6	34.9	25.8	31.6	29.7	S	44.5	45.0
750 to 999 lb	16.2	18.2	17.6	35.8	40.2	41.1	S	39.5	40.2	41.9	45.8	46.9
1,000 to 9,999 lb	20.1	16.4	16.4	16.9	13.7	13.1	23.6	20.5	20.5	27.4	30.8	30.1
10,000 to 49,999 lb	25.7	25.9	25.1	28.9	30.3	29.9	26.9	24.0	25.0	26.7	24.0	24.4
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	24.5	28.1	25.9	17.0	27.2	26.3	22.1	23.2	23.1	22.1	31.3	32.6
Less than 50 lb	43.0	37.6	33.7	S	S	47.5	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	26.5	38.0	34.0	S	S	S	S	S	S	S	S	S
500 to 749 lb	41.5	42.8	44.4	39.1	42.2	40.3	S	S	49.2	S	S	S
750 to 999 lb	31.3	42.9	48.9	44.2	S	44.9	S	S	S	48.6	46.9	45.7
1,000 to 9,999 lb	18.9	24.5	25.8	26.1	28.3	28.1	24.2	27.7	27.6	39.7	S	49.5
10,000 to 49,999 lb	32.1	37.2	34.2	17.8	17.2	16.7	25.4	25.2	25.1	26.0	26.4	26.6
50,000 to 99,999 lb	30.4	44.6	44.1	S	S	S	S	S	S	S	S	S
100,000 lb or more	47.2	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	6.8	16.9	17.5	11.3	16.1	16.5	9.9	10.2	10.2	16.3	19.8	19.6
Less than 50 lb	27.6	30.8	32.6	S	S	48.8	S	37.1	35.8	43.3	45.8	45.7
50 to 99 lb	38.1	20.7	21.9	S	S	S	48.5	43.4	44.5	S	S	S
100 to 499 lb	18.5	19.5	20.4	28.1	27.8	26.7	42.0	47.6	45.4	S	S	S
500 to 749 lb	28.7	30.2	30.7	39.2	42.0	40.8	46.3	32.4	33.8	S	46.5	46.4
750 to 999 lb	26.0	32.0	34.4	30.1	S	S	S	S	S	43.4	39.6	37.3
1,000 to 9,999 lb	15.4	20.9	21.2	17.7	15.1	14.9	15.5	13.3	13.4	26.4	37.2	39.1
10,000 to 49,999 lb	10.0	17.0	18.1	13.6	14.3	13.9	12.1	12.6	12.9	12.9	15.1	15.0
50,000 to 99,999 lb	38.7	S	S	36.6	29.7	33.6	40.7	33.6	36.6	49.3	S	48.6
100,000 lb or more	44.0	47.0	S	S	S	S	35.9	34.1	33.8	S	S	S
SCTG 08, Alcoholic beverages	39.2	26.1	25.5	22.3	27.4	26.8	22.1	23.4	22.6	29.6	36.5	36.2
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	38.6	34.8	32.7	S	S	S	S	S	S	S	S	S
100 to 499 lb	34.2	40.4	34.0	43.1	38.7	38.5	S	S	S	S	S	S
500 to 749 lb	42.7	44.3	43.3	49.4	S	S	49.5	47.7	47.9	S	S	S
750 to 999 lb	S	S	S	S	48.5	47.6	S	S	S	S	S	S
1,000 to 9,999 lb	21.7	23.0	27.0	29.8	33.0	33.6	S	S	S	40.5	29.5	28.1
10,000 to 49,999 lb	47.6	29.0	28.4	27.3	30.4	30.2	28.1	31.6	30.5	26.9	35.3	35.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	39.9	39.4	38.4	31.6	31.6	31.1	S	S	S
SCTG 09, Tobacco products	35.5	30.8	33.8	45.3	S	50.0	42.7	S	S	S	S	S
Less than 50 lb	36.0	38.2	38.8	S	44.2	44.8	S	S	S	S	S	S
50 to 99 lb	41.1	33.0	34.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	33.8	30.2	31.6	37.1	39.7	38.8	S	S	S	—	—	—
500 to 749 lb	S	S	S	46.1	46.2	47.7	—	—	—	—	—	—
750 to 999 lb	S	S	S	48.8	48.8	49.7	—	—	—	—	—	—
1,000 to 9,999 lb	48.9	37.1	37.4	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	S	49.5	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S	—	—	—
10,000 to 49,999 lb	S	41.5	43.1	S	S	S	41.5	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	22.5	24.2	26.8	S	22.3	24.1	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	33.2	20.2	17.6	S	35.0	33.9	—	—	—	S	S	S
50,000 to 99,999 lb	28.8	33.3	29.7	28.1	29.9	28.9	S	S	S	S	S	S
100,000 lb or more	47.0	46.0	48.2	S	S	S	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	36.0	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	39.8	38.4	38.9	S	S	S	S	S	S
50,000 to 99,999 lb	37.0	36.1	43.1	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	20.6	40.9	41.5	37.4	42.3	42.2	48.7	S	S	24.7	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	47.5	49.3	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	43.7	33.0	34.4
10,000 to 49,999 lb	22.9	20.3	21.1	—	—	—	S	S	S	27.3	S	S
50,000 to 99,999 lb	34.5	41.3	44.2	45.8	39.9	38.6	S	S	S	S	S	S
100,000 lb or more	40.7	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	S	27.6	27.1	38.2	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	46.5	49.6	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	40.3	40.7	—	—	—	S	S	S	—	—	—
SCTG 15, Coal	—	—	—	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	24.2	31.3	29.1	29.7	31.5	26.0	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	S	S	S
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	46.7	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	36.9	37.1	34.3	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	32.3	33.3	33.5	38.4	35.4	35.8	S	S	S	—	—	—
100,000 lb or more	37.4	43.8	42.4	38.9	41.3	33.4	—	—	—	—	—	—
SCTG 18, Fuel oils	43.1	36.3	41.6	41.7	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	32.6	33.0	34.0	49.3	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	43.1	35.3	34.1	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	44.9	S	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	22.2	28.1	31.5	S	S	S	19.1	34.9	35.9	26.0	28.0	28.1
Less than 50 lb	S	S	S	43.3	43.5	46.7	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	40.3	43.2	43.6	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	34.3	36.7	37.6	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	34.6	25.4	25.9	46.9	36.7	40.6	28.5	23.3	24.6	32.9	27.1	27.0
50,000 to 99,999 lb	28.1	23.7	25.0	S	47.6	47.7	S	S	S	—	—	—
100,000 lb or more	45.3	44.4	47.1	S	S	S	39.9	43.7	45.1	34.6	32.2	32.0
SCTG 20, Basic chemicals	14.1	15.6	15.4	19.1	17.2	17.1	23.9	21.3	20.7	37.5	19.8	19.9
Less than 50 lb	47.6	47.5	47.8	37.6	41.3	40.7	44.1	S	S	S	S	S
50 to 99 lb	38.5	41.7	43.4	47.7	S	S	S	S	S	S	S	S
100 to 499 lb	49.5	44.6	47.6	38.8	38.7	42.2	42.2	48.6	S	S	32.9	33.5
500 to 749 lb	44.8	S	S	S	S	S	45.7	34.0	33.1	S	46.2	44.3
750 to 999 lb	S	S	S	36.0	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	23.2	18.2	18.8	30.5	24.9	25.0	33.2	46.4	47.9	S	27.9	28.6
10,000 to 49,999 lb	19.1	22.6	23.0	23.5	20.2	20.4	43.9	37.7	37.1	36.4	28.3	30.1
50,000 to 99,999 lb	25.9	20.2	19.3	38.8	36.6	37.2	S	S	S	S	S	S
100,000 lb or more	37.7	33.3	34.0	30.8	31.6	30.0	41.0	37.5	36.9	43.9	36.5	36.1
SCTG 21, Pharmaceutical products	16.7	18.5	18.5	14.2	28.8	26.8	29.1	S	32.3	36.7	38.1	34.3
Less than 50 lb	19.3	17.6	17.5	24.4	25.2	22.8	31.0	28.3	25.5	34.4	21.0	22.9
50 to 99 lb	22.6	19.8	21.0	32.1	29.2	26.4	S	46.3	44.7	41.2	31.8	32.3
100 to 499 lb	17.9	16.6	17.5	19.9	27.0	28.8	44.5	S	S	42.2	49.0	34.3
500 to 749 lb	S	45.2	42.7	35.6	42.0	40.3	31.4	33.2	32.0	S	S	S
750 to 999 lb	41.4	41.7	44.7	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	48.1	42.2	39.1	35.7	34.1	33.1	S	S	43.4	S	36.3	36.4
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	20.3	28.2	27.5	29.6	33.2	33.9	41.7	S	S	S	S	S
Less than 50 lb	S	48.5	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	44.1	38.9	S	S	S	S	48.9	49.5	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	23.3	29.3	31.9	48.7	27.4	26.1	S	S	S	S	S	S
10,000 to 49,999 lb	28.5	40.6	40.5	37.1	39.5	37.6	S	44.0	43.7	S	S	S
50,000 to 99,999 lb	29.6	30.3	28.5	46.7	40.6	42.1	S	S	S	—	—	—
100,000 lb or more	42.8	42.1	41.7	S	S	S	S	S	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	24.2	15.4	14.0	12.7	24.6	23.8	19.2	23.1	22.6	17.8	21.9	21.0
Less than 50 lb	39.2	41.1	44.0	37.6	32.6	33.3	41.0	38.0	36.9	S	44.4	44.6
50 to 99 lb	34.2	38.4	37.4	31.0	36.3	39.4	S	46.5	45.0	43.7	42.0	42.0
100 to 499 lb	28.5	25.6	24.1	23.0	20.1	20.9	37.9	32.2	31.2	27.8	20.0	20.4
500 to 749 lb	44.8	28.7	33.4	S	41.3	40.1	S	34.8	35.8	47.4	S	S
750 to 999 lb	S	47.3	S	26.5	34.9	35.8	S	S	S	48.2	45.3	45.5
1,000 to 9,999 lb	44.9	22.6	17.6	22.0	24.0	22.4	25.9	12.1	11.4	29.3	21.1	21.0
10,000 to 49,999 lb	17.9	21.3	20.1	21.2	31.9	31.1	27.7	30.1	29.4	26.2	31.4	30.4
50,000 to 99,999 lb	22.8	23.8	25.0	35.4	48.2	49.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	8.8	19.5	18.9	8.8	9.0	9.2	12.2	13.5	13.5	13.2	18.5	18.1
Less than 50 lb	19.5	13.5	12.7	30.9	21.7	22.0	31.3	22.5	22.5	28.8	29.1	28.6
50 to 99 lb	18.6	16.9	17.1	26.9	26.3	29.5	37.0	31.7	32.4	30.8	35.5	35.3
100 to 499 lb	17.0	13.3	14.7	20.6	19.1	18.9	25.0	14.5	15.8	32.0	27.9	29.1
500 to 749 lb	25.1	20.6	18.5	21.8	26.0	28.8	30.5	31.8	29.9	30.6	30.6	28.3
750 to 999 lb	23.7	23.2	21.9	25.7	26.2	25.9	49.0	37.1	35.2	35.0	32.1	32.3
1,000 to 9,999 lb	11.1	13.9	16.1	13.8	14.3	15.0	25.3	19.1	18.9	18.6	24.9	24.3
10,000 to 49,999 lb	18.1	35.3	33.1	13.0	13.1	13.3	17.2	18.9	19.3	24.7	23.9	23.6
50,000 to 99,999 lb	32.1	43.3	44.8	40.5	48.8	43.9	S	S	S	S	S	S
100,000 lb or more	47.2	45.8	48.1	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	25.7	21.8	26.2	30.3	30.2	31.5	35.3	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	41.2	36.5	34.9	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	32.6	36.5	35.9	34.8	34.5	35.2	36.6	39.0	38.4	S	S	S
50,000 to 99,999 lb	24.3	19.4	19.0	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	49.7	47.7	47.5
SCTG 26, Wood products	13.3	14.8	14.7	8.4	28.7	27.0	8.2	10.1	11.3	11.9	12.0	12.0
Less than 50 lb	40.7	30.5	30.0	S	28.8	27.9	42.8	S	S	46.5	41.6	43.7
50 to 99 lb	S	S	S	35.7	30.2	29.9	37.6	33.7	34.5	S	S	S
100 to 499 lb	27.6	25.0	22.7	37.9	32.6	34.0	34.2	38.4	40.3	40.6	S	48.0
500 to 749 lb	27.4	26.2	27.5	31.8	28.7	28.2	48.7	S	S	S	S	S
750 to 999 lb	40.6	29.7	28.9	41.6	37.1	41.2	S	S	S	S	41.0	41.9
1,000 to 9,999 lb	17.3	15.0	16.4	16.0	13.9	13.5	31.0	S	S	21.6	19.7	19.4
10,000 to 49,999 lb	10.3	15.8	18.9	10.8	16.7	14.9	9.1	9.6	9.8	14.8	17.1	17.2
50,000 to 99,999 lb	22.6	21.5	21.2	7.3	10.0	10.6	16.2	17.2	17.2	21.3	25.5	26.9
100,000 lb or more	39.3	27.6	23.8	19.6	S	S	14.1	15.6	18.5	15.4	12.2	12.9
SCTG 27, Pulp, newsprint, paper, and paperboard	15.3	15.2	16.1	8.2	9.4	10.6	19.2	22.5	23.2	14.9	14.1	14.4
Less than 50 lb	33.3	23.2	24.1	46.6	22.7	27.5	36.7	34.6	35.7	38.9	42.1	42.7
50 to 99 lb	S	S	S	36.4	37.0	42.4	S	S	S	S	S	S
100 to 499 lb	25.6	20.7	22.4	34.9	36.1	39.1	41.7	43.8	S	S	48.3	48.8
500 to 749 lb	S	35.8	33.0	35.7	35.6	38.8	44.0	36.0	39.8	S	S	S
750 to 999 lb	39.0	29.8	31.9	38.0	42.0	42.2	44.8	45.6	43.3	S	S	S
1,000 to 9,999 lb	19.3	21.4	20.0	19.6	21.1	21.7	33.5	31.0	29.8	34.6	31.3	31.4
10,000 to 49,999 lb	23.0	20.0	22.8	14.5	12.0	12.8	13.0	13.0	12.9	16.1	16.6	17.4
50,000 to 99,999 lb	20.3	17.9	18.1	36.2	32.7	32.7	41.5	42.5	43.6	41.3	41.1	42.9
100,000 lb or more	25.8	27.3	29.1	18.4	17.2	17.2	32.7	33.3	33.3	19.5	17.7	17.9
SCTG 28, Paper or paperboard articles	9.2	9.9	10.6	11.5	24.7	30.6	13.2	15.5	16.3	12.2	10.6	10.6
Less than 50 lb	28.4	23.3	23.2	25.7	22.7	22.3	38.1	34.0	32.9	26.1	20.2	20.3
50 to 99 lb	33.6	32.8	35.2	42.3	36.9	37.6	43.8	S	45.4	47.2	S	S
100 to 499 lb	22.9	24.1	27.1	20.2	16.9	16.8	41.9	30.5	30.5	39.1	33.1	32.7
500 to 749 lb	33.3	38.8	36.0	31.6	34.2	35.9	44.0	35.6	32.9	44.6	33.9	35.6
750 to 999 lb	36.3	33.6	36.0	36.9	47.9	47.9	38.4	38.8	39.0	S	S	S
1,000 to 9,999 lb	20.5	25.0	25.2	16.1	23.7	23.1	20.4	21.9	23.2	S	37.1	37.5
10,000 to 49,999 lb	11.0	10.9	10.8	13.5	29.6	35.5	14.1	14.7	14.7	12.0	12.0	12.2
50,000 to 99,999 lb	S	36.5	33.9	34.9	43.5	38.1	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	24.3	15.3	15.0	7.0	16.7	21.0	10.3	15.9	15.6	14.4	26.1	30.1
Less than 50 lb	49.8	S	S	11.6	15.4	15.5	20.1	17.5	17.6	17.7	17.4	17.1
50 to 99 lb	29.4	26.4	27.6	21.6	32.2	29.0	23.5	27.1	26.0	43.4	32.9	32.3
100 to 499 lb	41.6	14.0	13.7	16.9	21.2	20.5	24.4	22.6	22.1	26.6	19.7	19.0
500 to 749 lb	23.2	22.0	24.1	25.9	46.4	43.6	41.1	S	S	36.2	27.6	27.7
750 to 999 lb	27.6	27.4	26.5	22.9	22.5	22.6	49.1	36.0	35.7	S	27.3	28.8
1,000 to 9,999 lb	15.6	14.4	16.1	13.6	16.1	15.8	16.9	15.5	15.9	20.5	23.6	24.1
10,000 to 49,999 lb	33.2	28.0	28.4	20.7	16.3	16.8	24.1	26.2	26.2	27.8	39.5	44.9
50,000 to 99,999 lb	S	35.1	37.2	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	37.4	40.7	44.1	32.4	29.2	29.1	18.6	18.2	18.8	25.0	20.9	22.4
Less than 50 lb	29.2	15.6	14.5	30.0	17.5	18.3	23.6	14.6	14.7	15.9	9.0	9.7
50 to 99 lb	13.6	12.4	12.1	23.1	20.6	17.5	35.6	26.2	26.5	24.0	21.6	23.6
100 to 499 lb	22.1	19.9	21.4	15.0	17.8	17.4	20.1	17.2	17.0	17.7	21.1	21.5
500 to 749 lb	29.8	21.7	24.4	30.0	23.2	22.6	33.8	28.7	28.3	46.7	S	S
750 to 999 lb	39.4	33.4	36.9	30.2	30.2	32.0	46.8	36.8	38.0	31.3	S	S
1,000 to 9,999 lb	S	28.0	26.1	18.2	21.8	23.8	45.2	28.8	29.1	35.0	21.4	21.5
10,000 to 49,999 lb	S	S	S	S	S	S	46.2	45.4	47.1	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	8.5	8.5	9.8	10.6	16.7	18.0	11.9	18.5	20.0	16.1	12.0	12.7
Less than 50 lb	17.4	22.3	23.6	29.6	28.6	30.0	29.5	35.7	35.4	34.2	36.3	36.1
50 to 99 lb	40.4	25.0	29.0	S	43.3	43.4	S	S	S	S	45.8	48.1
100 to 499 lb	21.0	21.2	22.3	21.1	25.6	25.2	31.9	26.5	27.9	S	46.0	46.2
500 to 749 lb	23.7	25.2	27.1	43.4	34.4	33.0	49.6	40.3	41.0	S	S	S
750 to 999 lb	S	37.5	40.8	47.1	45.6	45.4	46.7	40.3	39.4	S	S	S
1,000 to 9,999 lb	33.3	22.9	26.4	21.0	19.1	17.8	19.1	22.7	22.0	47.1	28.8	29.1
10,000 to 49,999 lb	12.1	11.6	10.9	11.6	8.2	7.9	13.4	14.0	14.3	12.4	13.0	13.1
50,000 to 99,999 lb	11.0	12.2	13.7	24.7	17.9	18.5	S	S	S	35.6	44.5	48.5
100,000 lb or more	37.0	36.2	40.9	46.8	45.1	45.1	S	47.2	49.3	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	10.6	13.4	13.4	14.0	19.8	18.8	13.6	19.2	18.7	19.7	17.6	17.8
Less than 50 lb	28.1	26.0	24.2	28.3	24.6	24.1	S	39.2	39.0	36.6	30.2	30.0
50 to 99 lb	28.1	20.4	20.4	34.0	27.0	26.5	32.0	32.3	31.1	34.0	31.5	31.0
100 to 499 lb	26.1	14.1	15.5	28.0	28.0	26.6	41.1	38.2	38.2	30.1	35.8	37.0
500 to 749 lb	23.0	9.9	9.9	36.3	25.2	25.6	S	S	S	30.3	35.8	34.4
750 to 999 lb	21.1	15.7	15.1	26.1	21.7	21.1	41.5	42.0	40.7	31.2	33.2	31.8
1,000 to 9,999 lb	10.7	12.0	13.3	11.5	10.9	10.3	35.2	28.6	27.9	32.1	24.2	23.8
10,000 to 49,999 lb	16.5	13.1	13.4	24.4	25.8	25.3	15.3	18.3	17.5	37.0	14.2	14.3
50,000 to 99,999 lb	29.5	33.8	29.3	44.1	28.0	27.8	S	39.2	40.7	S	S	S
100,000 lb or more	S	S	S	38.2	34.7	36.0	41.0	36.0	34.9	23.4	30.4	28.9
SCTG 33, Articles of base metal	10.9	15.1	13.6	11.6	18.5	18.3	8.9	12.8	12.5	15.7	22.1	22.6
Less than 50 lb	18.6	16.0	13.3	15.9	17.8	17.8	15.1	19.4	18.8	30.5	28.1	28.4
50 to 99 lb	23.9	26.5	31.3	29.2	27.7	28.2	29.9	31.2	30.2	43.7	27.3	26.5
100 to 499 lb	14.3	13.4	13.5	15.6	19.7	18.7	21.3	19.3	20.5	16.3	29.9	29.8
500 to 749 lb	24.2	26.6	24.9	19.7	20.6	19.9	29.7	37.0	32.2	36.3	25.7	27.1
750 to 999 lb	35.5	18.4	18.6	26.6	24.0	23.2	42.8	44.4	42.6	33.0	29.0	27.8
1,000 to 9,999 lb	17.9	16.8	14.8	18.7	20.5	21.4	18.2	18.7	19.4	22.5	32.5	32.9
10,000 to 49,999 lb	17.2	17.2	15.5	17.5	21.1	20.5	14.4	17.6	17.1	25.1	29.7	29.9
50,000 to 99,999 lb	44.2	32.6	32.1	38.9	S	S	41.6	44.5	44.3	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	48.0	49.8	S	S	S
SCTG 34, Machinery	14.4	10.2	10.2	10.1	18.1	16.7	23.6	21.9	22.1	18.5	25.6	25.7
Less than 50 lb	10.0	13.8	13.3	23.4	19.8	22.7	16.2	18.2	19.8	19.5	23.1	24.1
50 to 99 lb	16.3	19.8	22.3	S	24.0	21.4	S	19.7	20.6	S	S	S
100 to 499 lb	20.6	13.7	13.7	14.9	13.7	13.6	25.9	24.7	23.2	41.2	S	S
500 to 749 lb	25.3	25.6	28.8	26.2	31.1	27.8	40.8	31.3	27.0	42.9	S	S
750 to 999 lb	30.7	26.7	27.6	32.0	36.7	35.7	34.2	25.4	26.1	42.2	S	S
1,000 to 9,999 lb	18.1	19.9	21.5	23.5	27.2	26.4	37.7	21.6	22.2	26.0	31.8	32.2
10,000 to 49,999 lb	S	19.3	18.4	28.7	27.0	24.5	46.9	37.3	35.6	33.4	32.5	34.3
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	22.5	15.8	16.3	15.6	29.7	29.7	11.5	30.3	29.6	17.2	15.6	16.1
Less than 50 lb	11.3	21.9	21.5	9.9	10.2	10.1	11.6	13.6	13.7	20.7	12.7	12.6
50 to 99 lb	47.3	S	44.4	22.2	15.5	15.3	23.0	15.2	14.1	20.8	12.6	14.0
100 to 499 lb	17.9	20.5	20.2	15.6	16.3	16.5	22.0	22.2	22.7	30.6	15.1	15.1
500 to 749 lb	27.7	31.4	28.7	25.3	26.4	27.0	45.2	32.7	32.1	36.0	22.4	23.4
750 to 999 lb	28.7	30.5	30.1	26.2	29.7	28.7	39.5	27.6	28.4	S	41.5	41.8
1,000 to 9,999 lb	S	27.8	30.3	19.4	34.1	35.1	29.2	S	S	28.8	27.4	28.3
10,000 to 49,999 lb	35.0	21.9	23.8	S	37.8	36.8	47.8	36.9	41.1	37.1	29.3	28.5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	23.1	17.1	15.2	17.9	34.6	33.7	23.8	30.9	29.9	21.9	15.4	15.5
Less than 50 lb	16.8	17.6	17.8	22.6	16.6	17.4	25.5	25.6	25.7	21.1	23.8	23.6
50 to 99 lb	27.8	21.4	22.0	35.2	40.9	38.6	35.1	31.9	32.0	35.1	37.7	37.6
100 to 499 lb	37.4	32.8	27.8	19.4	14.2	15.0	25.2	21.3	20.3	30.8	24.5	25.0
500 to 749 lb	S	49.3	S	S	46.0	42.2	28.6	31.4	29.2	S	48.3	39.8
750 to 999 lb	42.3	37.6	35.7	47.0	32.5	31.5	40.1	33.4	32.9	38.4	S	S
1,000 to 9,999 lb	18.7	18.4	20.4	22.0	16.2	15.3	25.9	34.0	34.9	S	23.6	23.6
10,000 to 49,999 lb	25.6	31.8	25.6	35.2	45.6	45.7	43.2	S	S	33.9	27.9	27.6
50,000 to 99,999 lb	49.5	36.4	39.6	45.3	46.0	46.0	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	25.3	24.7	28.5	30.6	S	S	39.7	S	S	49.4	25.7	24.9
Less than 50 lb	27.2	17.6	16.3	47.2	33.4	29.5	38.1	23.1	23.4	32.0	30.1	30.2
50 to 99 lb	34.8	36.4	36.9	33.8	37.2	36.7	S	S	S	25.7	27.4	27.2
100 to 499 lb	S	S	S	43.5	S	S	S	41.0	42.4	24.7	34.4	33.8
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	33.4	33.4
750 to 999 lb	S	S	S	48.3	S	S	S	S	S	44.3	41.6	42.7
1,000 to 9,999 lb	S	S	S	S	39.6	39.2	S	S	S	S	42.7	43.2
10,000 to 49,999 lb	45.4	28.2	25.8	S	S	S	S	42.7	42.2	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	19.5	S	S	17.3	40.7	42.7	19.8	27.6	27.3	29.7	46.2	45.3
Less than 50 lb	22.2	26.9	25.3	17.2	17.7	16.7	13.2	17.4	17.3	14.9	14.0	14.4
50 to 99 lb	47.2	27.3	30.0	42.0	30.8	29.9	29.0	25.9	24.2	S	40.8	38.7
100 to 499 lb	36.5	28.5	33.5	42.0	30.1	29.8	46.9	25.4	29.4	32.3	30.3	30.3
500 to 749 lb	38.8	S	S	46.8	44.2	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	45.4	45.8	S	49.8	S	S	S	S
1,000 to 9,999 lb	28.3	S	S	36.6	S	S	37.8	47.1	45.3	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	19.1	17.2	17.6	25.3	17.6	17.0	22.3	15.7	15.4	19.8	21.5	22.1
Less than 50 lb	28.1	21.7	20.1	28.7	27.7	28.8	S	35.3	35.8	S	S	S
50 to 99 lb	S	33.3	31.9	29.4	20.9	22.3	31.2	24.9	24.6	39.5	31.3	31.9
100 to 499 lb	18.3	18.6	16.9	34.7	17.5	17.2	26.8	18.2	18.1	39.9	46.2	S
500 to 749 lb	41.9	26.9	32.2	30.7	23.5	22.7	S	40.2	37.2	41.8	40.4	40.5
750 to 999 lb	19.0	16.7	17.7	36.1	43.7	42.2	45.4	36.6	37.2	S	39.4	38.4
1,000 to 9,999 lb	22.5	25.2	26.3	41.7	25.3	24.3	21.8	18.6	19.3	30.8	24.6	24.2
10,000 to 49,999 lb	26.5	14.0	14.4	27.9	33.7	34.6	41.8	35.1	33.8	30.7	34.3	34.3
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	S	35.9	36.0	38.7	35.1	31.7	13.6	27.5	28.3	17.6	S	S
Less than 50 lb	21.0	11.3	10.8	22.0	18.5	19.8	17.4	27.6	27.7	25.1	16.5	16.7
50 to 99 lb	38.7	15.5	16.8	26.8	34.6	34.5	32.3	23.5	24.8	S	39.0	39.7
100 to 499 lb	20.1	13.8	14.3	15.7	13.8	14.0	37.8	21.8	22.5	24.2	15.2	16.2
500 to 749 lb	41.8	18.2	18.4	27.6	30.9	31.1	24.4	22.7	25.0	29.1	27.9	27.3
750 to 999 lb	S	38.4	40.5	36.4	17.6	17.8	33.8	33.8	37.3	30.1	47.2	48.2
1,000 to 9,999 lb	46.1	38.8	38.7	S	48.2	41.8	33.7	42.2	43.6	34.4	47.4	48.3
10,000 to 49,999 lb	S	S	S	S	39.7	37.3	23.2	29.7	30.2	39.5	S	S
50,000 to 99,999 lb	30.2	S	49.8	20.0	37.0	35.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	20.6	25.1	26.0	30.4	41.8	43.6	27.8	36.8	36.2	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	31.4	37.6	36.8	38.6	S	S	34.4	32.1	32.3	40.5	S	S
50,000 to 99,999 lb	32.2	39.4	44.6	46.3	23.5	25.0	S	44.2	44.9	S	S	S
100,000 lb or more	S	42.7	40.1	33.8	34.1	33.8	37.0	39.5	39.5	S	S	S
SCTG 43, Mixed freight	43.9	45.4	49.6	39.3	45.0	46.7	45.6	26.9	26.8	37.0	46.8	48.1
Less than 50 lb	47.2	21.9	22.3	S	44.2	43.8	S	38.3	36.7	41.5	31.6	31.6
50 to 99 lb	46.3	40.8	36.6	39.9	36.5	36.9	S	S	S	S	46.7	46.7
100 to 499 lb	30.2	23.8	22.7	26.7	24.3	24.5	38.3	32.1	32.9	44.3	30.2	31.0
500 to 749 lb	23.5	29.6	26.9	30.1	31.3	32.4	39.6	42.2	42.4	S	S	S
750 to 999 lb	S	21.9	22.4	27.1	24.8	28.3	43.7	S	S	S	S	S
1,000 to 9,999 lb	15.6	17.5	16.2	S	23.9	23.3	S	36.7	37.1	S	S	S
10,000 to 49,999 lb	49.3	47.5	S	42.7	46.1	47.2	46.9	44.4	44.0	S	S	48.8
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	27.1	29.8	34.4	22.4	48.6	47.9	31.4	S	S	42.2	S	S
Less than 50 lb	37.3	38.9	40.4	36.0	41.3	41.0	S	33.1	31.9	40.1	S	S
50 to 99 lb	S	49.6	S	S	S	S	S	S	S	S	45.7	46.9
100 to 499 lb	S	S	S	48.0	31.6	31.4	45.1	37.2	38.5	S	44.0	44.2
500 to 749 lb	S	S	45.0	S	S	S	S	S	S	S	S	S
750 to 999 lb	39.7	43.4	47.2	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	48.5	29.0	29.0	49.8	37.4	36.3	33.1	S	S	41.6	35.8	36.2
10,000 to 49,999 lb	48.8	39.0	34.3	S	S	S	47.6	S	47.2	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	7.2	11.5	10.7	6.1	8.5	8.2	6.2	3.5	3.7
Less than 50 lb	7.0	6.6	6.8	8.3	7.4	7.4	5.7	7.2	7.1
50 to 99 lb	9.2	11.0	13.6	10.3	13.9	14.1	24.2	5.5	5.4
100 to 499 lb	12.4	7.6	8.1	8.1	9.9	9.5	8.4	4.0	4.3
500 to 749 lb	17.6	14.6	14.7	22.5	14.7	14.1	9.6	14.9	14.4
750 to 999 lb	16.4	10.1	9.7	31.3	20.5	20.3	16.8	9.4	9.8
1,000 to 9,999 lb	13.9	23.3	22.8	13.6	16.3	16.0	15.0	16.2	16.5
10,000 to 49,999 lb	10.2	5.6	5.3	16.0	4.1	4.3	8.8	6.0	6.4
50,000 to 99,999 lb	21.1	20.3	20.8	38.5	22.6	22.1	41.1	15.4	15.5
100,000 lb or more	44.8	27.4	25.2	30.8	21.9	20.3	35.0	11.1	10.8
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 03, Other agricultural products	12.3	9.5	9.5	11.5	12.6	12.5	14.3	14.2	13.8
Less than 50 lb	S	S	S	S	S	S	30.1	41.1	45.4
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	40.2	39.6	48.8	S	S	41.2	S	S
500 to 749 lb	40.9	43.5	42.5	S	48.4	47.9	33.8	39.2	41.0
750 to 999 lb	S	41.5	42.0	S	46.3	44.7	S	44.3	44.2
1,000 to 9,999 lb	22.8	33.1	33.9	16.9	30.6	30.8	20.0	28.7	29.0
10,000 to 49,999 lb	15.1	9.8	10.1	12.2	13.3	13.3	17.3	14.3	13.8
50,000 to 99,999 lb	S	47.2	46.3	S	42.6	45.8	47.8	S	S
100,000 lb or more	41.2	43.4	39.7	49.1	35.5	35.8	32.8	30.9	29.8
SCTG 04, Animal feed and products of animal origin, n.e.c.	S	S	S	S	48.1	47.3	S	47.9	47.8
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	48.9	49.8	S	34.6	35.0	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	23.2	35.3	37.8	30.0	26.0	26.4	30.8	32.5	30.8
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	49.5	S	S	S	S	S
100 to 499 lb	29.1	28.3	27.6	47.6	32.0	31.3	35.2	32.9	33.5
500 to 749 lb	45.9	35.8	38.2	48.6	31.5	30.4	42.1	28.1	29.8
750 to 999 lb	43.0	43.3	41.0	S	45.6	46.7	S	40.8	41.2
1,000 to 9,999 lb	22.9	25.6	24.5	33.5	28.2	28.3	35.5	29.0	28.5
10,000 to 49,999 lb	28.3	34.6	35.6	30.9	30.6	30.5	47.1	43.3	40.8
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	46.6	38.5	38.8	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	20.7	30.7	31.4	21.0	35.6	37.4	20.6	21.8	22.4
Less than 50 lb	S	S	S	S	S	S	S	47.6	47.7
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	37.5	37.8
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	23.9	25.2	26.8	33.2	32.3	33.5	46.0	S	S
10,000 to 49,999 lb	19.8	22.4	21.0	20.0	18.6	18.6	21.4	19.3	19.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	11.0	11.6	11.0	24.8	13.8	13.4	9.5	13.6	14.1
Less than 50 lb	S	40.7	40.2	34.2	28.5	28.1	33.2	28.9	28.4
50 to 99 lb	46.4	42.9	41.7	36.1	37.2	36.6	30.5	28.6	29.1
100 to 499 lb	50.0	45.6	45.5	36.2	36.5	39.7	36.4	38.2	39.4
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	45.1	35.1	36.0	S	S	S
1,000 to 9,999 lb	12.8	17.6	16.6	23.7	24.1	23.9	26.5	20.2	20.2
10,000 to 49,999 lb	14.4	15.9	15.3	30.8	12.3	12.4	8.3	9.1	9.9
50,000 to 99,999 lb	48.5	41.1	43.6	35.2	37.9	36.0	32.2	32.7	31.7
100,000 lb or more	20.4	17.1	17.6	16.8	18.3	17.3	20.5	27.9	27.9
SCTG 08, Alcoholic beverages	20.9	25.9	26.5	33.9	39.3	39.7	28.6	33.9	35.1
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	40.3	39.8
500 to 749 lb	S	S	S	S	S	49.9	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	43.5	43.3	46.1	38.9	42.0	41.0	S	S	S
10,000 to 49,999 lb	21.6	26.3	27.0	36.3	42.2	42.5	25.5	22.4	23.0
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 09, Tobacco products	S	S	S	S	S	S	44.3	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	—	—	—	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	36.2	37.3	38.5	23.7	S	S	25.4	49.4	47.0
Less than 50 lb	S	S	S	S	S	S	47.7	47.5	47.4
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	44.2	36.7	36.7	25.2	S	S	28.6	39.7	36.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	42.4	47.9	45.6	43.9	42.9	43.0

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	41.2	41.4
100 to 499 lb	—	—	—	S	S	S	S	48.7	49.0
500 to 749 lb	—	—	—	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 15, Coal	—	—	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	S	49.7	49.4	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 18, Fuel oils	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	35.9	41.2	40.5	37.1	S	S	47.2	33.3	33.8
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	41.0	45.6	45.3	37.2	46.2	S	S	44.3	44.7
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	26.7	23.8	22.5	19.0	16.2	16.3	28.7	23.4	23.7
Less than 50 lb	32.8	36.6	35.7	34.4	30.7	30.7	28.9	33.5	32.9
50 to 99 lb	S	S	S	39.7	39.0	38.8	40.1	S	S
100 to 499 lb	S	S	S	40.5	S	S	34.9	43.5	45.2
500 to 749 lb	40.5	36.7	37.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	33.6	38.6	41.4	36.5	43.6	43.0	S	42.3	43.6
10,000 to 49,999 lb	S	36.8	37.2	34.1	30.5	29.5	27.6	28.0	28.3
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	35.4	33.6	31.7	19.6	19.3	27.8	32.5	32.0
SCTG 21, Pharmaceutical products	25.2	39.0	35.8	13.7	S	S	15.7	25.7	25.7
Less than 50 lb	30.1	43.3	46.5	19.0	17.7	16.1	16.9	11.7	12.2
50 to 99 lb	S	37.5	38.0	39.7	S	S	30.8	24.6	24.1
100 to 499 lb	39.4	S	S	40.6	28.4	28.3	26.0	21.2	21.9
500 to 749 lb	S	S	S	S	48.1	S	S	39.5	39.6
750 to 999 lb	S	S	S	S	42.0	44.0	S	S	S
1,000 to 9,999 lb	S	S	S	42.1	29.3	29.1	49.1	48.4	48.6
10,000 to 49,999 lb	46.1	42.4	44.5	S	S	S	S	37.8	37.7
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	S	S	S	S	S	S	40.5	45.5	45.9
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	41.7	45.7	46.1
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	21.3	S	S	16.1	21.3	21.7	12.8	17.1	18.5
Less than 50 lb	38.0	46.6	44.2	40.6	25.0	24.9	26.2	21.9	21.5
50 to 99 lb	40.4	40.9	39.1	29.6	23.6	23.9	40.9	35.9	34.9
100 to 499 lb	44.3	22.0	24.9	24.3	25.9	25.7	28.2	25.6	25.6
500 to 749 lb	49.6	48.8	47.7	32.9	24.5	24.7	49.8	33.7	33.8
750 to 999 lb	S	44.1	44.5	41.9	34.6	34.8	27.0	28.5	29.1
1,000 to 9,999 lb	18.8	20.4	20.7	18.7	22.0	22.5	24.6	22.9	23.2
10,000 to 49,999 lb	24.2	25.9	26.2	27.1	32.6	31.8	20.3	16.1	16.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	45.8	46.0	S	48.4	48.5
SCTG 24, Plastics and rubber	12.2	18.2	17.8	12.3	14.4	14.4	10.2	16.8	17.4
Less than 50 lb	19.4	24.2	24.4	21.9	27.0	26.7	20.5	29.8	29.7
50 to 99 lb	26.7	33.2	35.0	42.4	34.0	33.6	23.5	22.7	23.1
100 to 499 lb	20.8	20.4	21.0	23.4	23.4	23.0	20.8	21.7	22.3
500 to 749 lb	46.6	S	S	39.3	29.8	29.3	23.3	19.8	19.2
750 to 999 lb	37.5	36.2	37.4	43.7	36.8	37.2	30.6	22.3	22.1
1,000 to 9,999 lb	25.9	20.4	20.9	23.7	23.1	23.0	19.9	20.7	20.6
10,000 to 49,999 lb	26.6	29.4	28.3	20.1	17.4	17.2	18.4	14.4	14.3
50,000 to 99,999 lb	—	—	—	S	S	S	44.1	40.3	40.0
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	36.1	40.3	40.8	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	42.2	41.5	42.0	S	S	S
SCTG 26, Wood products	9.5	12.7	12.6	6.5	9.1	9.9	8.5	8.9	9.5
Less than 50 lb	32.5	24.6	25.3	29.2	27.4	27.4	27.2	44.1	43.8
50 to 99 lb	48.3	40.0	39.9	47.9	40.5	40.8	27.1	29.3	29.5
100 to 499 lb	37.4	43.3	44.0	S	49.6	49.6	32.8	28.9	28.4
500 to 749 lb	S	46.9	45.7	44.1	39.1	38.6	43.1	49.0	48.4
750 to 999 lb	S	S	S	S	40.1	40.5	S	S	S
1,000 to 9,999 lb	32.5	28.1	28.7	25.8	26.7	27.4	18.8	30.0	29.6
10,000 to 49,999 lb	14.9	12.9	12.5	8.9	8.6	18.2	12.1	9.1	12.5
50,000 to 99,999 lb	13.2	17.4	19.6	22.3	20.5	20.3	16.2	18.9	18.2
100,000 lb or more	19.0	21.8	21.1	13.4	14.5	15.1	14.3	13.8	14.3
SCTG 27, Pulp, newsprint, paper, and paperboard	27.3	28.0	26.5	17.2	14.6	14.5	18.6	16.2	16.2
Less than 50 lb	41.6	48.7	49.0	47.3	43.8	44.5	43.6	S	S
50 to 99 lb	S	S	S	S	S	S	S	45.8	45.6
100 to 499 lb	S	S	S	S	39.6	43.0	39.4	45.3	46.5
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	49.3	39.7	43.7	S	S	S	42.4	S	S
10,000 to 49,999 lb	32.1	31.1	30.0	19.5	19.6	19.2	22.3	21.4	21.6
50,000 to 99,999 lb	—	—	—	S	42.1	43.2	S	S	S
100,000 lb or more	38.1	36.1	34.1	26.8	26.9	28.5	26.4	25.0	24.8
SCTG 28, Paper or paperboard articles	20.3	21.1	20.0	28.8	20.4	20.4	29.5	24.4	38.7
Less than 50 lb	S	45.0	45.3	S	S	S	S	34.6	34.3
50 to 99 lb	49.0	S	S	S	S	S	S	S	S
100 to 499 lb	46.0	39.4	38.8	47.8	43.8	43.2	42.7	37.2	37.9
500 to 749 lb	36.7	47.8	45.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	35.0	40.2	37.9	44.3	37.4	35.6	S	40.8	41.7
10,000 to 49,999 lb	26.6	25.4	24.1	31.6	28.2	27.0	20.2	28.3	45.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	14.2	14.1	13.9	17.8	32.5	32.1	11.6	38.0	38.3
Less than 50 lb	21.8	25.5	25.3	20.0	23.4	23.5	15.2	22.8	23.1
50 to 99 lb	29.0	30.9	31.2	23.4	32.4	32.4	28.7	27.0	26.9
100 to 499 lb	24.5	31.0	35.0	28.0	42.3	40.7	23.2	30.1	30.3
500 to 749 lb	40.0	39.4	39.4	34.0	40.9	41.2	33.6	S	S
750 to 999 lb	S	S	47.2	45.7	S	S	S	32.7	32.9
1,000 to 9,999 lb	31.7	18.7	17.8	27.4	42.8	42.7	18.2	S	S
10,000 to 49,999 lb	35.2	37.9	37.7	26.4	23.7	23.4	31.2	24.8	24.4
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	16.1	15.8	16.0	14.7	12.5	12.8	16.1	12.0	12.2
Less than 50 lb	26.2	13.1	14.0	26.8	16.3	16.3	26.9	23.4	23.2
50 to 99 lb	28.2	43.5	S	31.3	46.3	46.9	14.6	14.1	14.1
100 to 499 lb	13.1	15.2	15.4	16.3	18.1	18.1	15.2	15.8	15.5
500 to 749 lb	34.9	21.6	21.8	22.2	22.1	21.1	34.3	28.6	28.4
750 to 999 lb	34.0	37.8	35.8	45.9	27.4	26.4	23.9	20.2	19.5
1,000 to 9,999 lb	27.6	28.2	29.0	25.9	24.3	24.9	32.2	22.6	23.0
10,000 to 49,999 lb	46.8	31.5	31.9	45.2	30.6	29.3	33.8	24.9	25.3
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	19.5	33.3	31.2	28.2	35.7	39.3	19.8	24.6	25.1
Less than 50 lb	33.4	33.3	31.5	39.0	39.5	39.4	40.2	45.8	46.0
50 to 99 lb	43.1	S	S	40.5	41.9	43.0	S	S	S
100 to 499 lb	S	S	S	S	S	S	34.4	28.6	28.4
500 to 749 lb	49.4	35.8	35.4	S	S	S	S	46.0	44.8
750 to 999 lb	S	44.0	41.8	42.5	47.0	46.5	32.4	36.1	36.5
1,000 to 9,999 lb	42.6	30.9	30.5	33.4	36.4	36.8	33.1	26.4	26.8
10,000 to 49,999 lb	27.0	24.7	25.6	29.8	24.3	24.1	30.9	19.5	19.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	45.6	46.7
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	38.0	19.8	19.7	17.7	21.0	19.6	22.5	44.4	45.3
Less than 50 lb	45.5	45.3	48.3	S	S	S	S	S	S
50 to 99 lb	S	S	S	32.3	26.0	25.4	48.0	S	S
100 to 499 lb	28.2	24.9	34.3	36.4	26.1	26.1	41.8	36.8	36.5
500 to 749 lb	37.9	28.1	28.4	S	S	S	38.2	38.2	36.4
750 to 999 lb	42.3	48.9	49.0	S	S	S	S	46.9	47.8
1,000 to 9,999 lb	S	36.6	37.0	27.2	28.9	29.3	31.2	21.6	21.3
10,000 to 49,999 lb	42.0	18.0	16.7	28.6	35.2	32.4	18.3	S	S
50,000 to 99,999 lb	S	S	S	S	49.2	S	39.3	47.8	46.3
100,000 lb or more	25.4	35.1	33.3	19.4	18.8	18.4	27.2	S	S
SCTG 33, Articles of base metal	24.7	23.2	22.7	11.0	21.7	32.0	14.8	21.5	21.1
Less than 50 lb	20.2	23.0	23.8	16.2	24.5	24.3	18.0	24.9	24.2
50 to 99 lb	22.6	26.2	26.5	21.5	26.6	26.9	32.2	31.7	31.0
100 to 499 lb	18.1	24.4	25.6	33.8	27.9	27.8	15.9	19.1	18.6
500 to 749 lb	S	45.0	42.1	S	35.2	33.9	30.7	41.5	48.7
750 to 999 lb	37.1	38.2	38.1	31.4	50.0	S	S	32.9	32.6
1,000 to 9,999 lb	40.2	40.1	39.4	18.2	22.2	21.9	21.7	35.4	35.3
10,000 to 49,999 lb	S	36.5	35.7	16.5	25.7	25.2	31.8	30.9	30.1
50,000 to 99,999 lb	S	S	S	S	S	S	43.4	42.7	42.5
100,000 lb or more	47.1	48.9	46.9	S	S	S	45.3	S	S
SCTG 34, Machinery	13.4	43.9	43.6	15.8	18.0	18.2	19.1	48.4	47.7
Less than 50 lb	17.5	29.6	32.4	14.2	17.6	17.6	18.1	32.4	32.1
50 to 99 lb	30.7	S	S	18.3	19.8	20.3	16.8	20.0	18.8
100 to 499 lb	14.6	42.4	41.7	46.5	26.4	26.2	16.5	29.5	32.1
500 to 749 lb	46.4	42.8	40.2	23.8	29.7	30.5	46.8	31.1	29.9
750 to 999 lb	46.7	41.2	38.6	45.8	28.0	27.8	41.7	27.1	26.4
1,000 to 9,999 lb	23.0	25.0	26.5	22.6	18.8	18.3	44.7	23.0	23.1
10,000 to 49,999 lb	37.4	24.7	23.1	24.7	23.9	24.3	27.2	29.0	28.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	13.7	35.2	33.7	11.8	16.3	16.4	13.4	40.8	41.5
Less than 50 lb	15.3	7.5	7.9	12.3	10.8	10.7	11.0	13.1	13.4
50 to 99 lb	17.7	12.4	12.3	13.8	15.9	16.2	10.9	12.5	12.4
100 to 499 lb	20.9	20.1	19.2	14.3	20.1	20.8	14.5	14.6	14.4
500 to 749 lb	30.3	19.1	19.4	46.0	25.1	24.8	15.7	26.0	25.3
750 to 999 lb	34.5	35.6	34.2	48.5	34.0	33.3	31.4	27.3	27.1
1,000 to 9,999 lb	29.1	45.5	45.9	18.2	24.2	25.7	33.7	S	S
10,000 to 49,999 lb	31.1	39.8	36.2	S	33.0	32.1	24.8	22.2	21.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	34.5	27.4	28.0

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	25.2	21.7	21.9	23.3	19.0	19.1	15.9	21.9	21.7
Less than 50 lb	19.3	15.4	16.1	18.9	12.9	13.0	18.6	14.0	13.7
50 to 99 lb	45.3	31.8	28.1	28.3	18.2	17.7	19.6	34.2	35.3
100 to 499 lb	27.6	24.7	26.6	25.8	20.6	20.5	22.8	21.7	21.2
500 to 749 lb	S	S	S	S	S	48.2	45.3	38.1	37.0
750 to 999 lb	S	S	S	S	49.3	49.3	35.1	49.8	49.6
1,000 to 9,999 lb	42.6	23.8	25.9	39.6	22.0	21.2	26.1	22.7	22.9
10,000 to 49,999 lb	35.8	31.6	31.4	27.5	26.2	25.9	37.0	34.0	33.2
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	47.7	26.7	26.0	31.2	26.1	27.4	39.0	22.3	22.5
Less than 50 lb	38.8	31.8	34.7	19.0	17.3	17.4	S	39.3	40.2
50 to 99 lb	32.6	37.0	37.7	34.6	28.5	28.9	S	36.2	38.0
100 to 499 lb	43.9	37.7	40.9	25.6	30.9	27.9	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	49.5	S
750 to 999 lb	S	40.9	36.8	S	S	S	S	S	S
1,000 to 9,999 lb	44.8	38.8	42.8	S	S	S	S	42.2	42.9
10,000 to 49,999 lb	S	S	S	33.0	31.4	31.4	S	24.6	24.5
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	12.3	24.3	23.0	12.0	21.4	20.4	14.8	20.2	20.5
Less than 50 lb	18.6	26.8	24.6	12.8	15.6	16.0	14.1	15.8	15.9
50 to 99 lb	39.0	21.3	20.7	23.6	24.4	24.6	21.1	21.2	20.9
100 to 499 lb	44.1	25.1	25.1	18.2	22.0	21.4	23.0	26.4	28.1
500 to 749 lb	46.7	S	S	30.3	30.9	30.7	34.9	44.7	43.2
750 to 999 lb	S	S	S	S	S	S	46.2	47.4	S
1,000 to 9,999 lb	S	S	S	33.4	35.1	33.2	34.9	37.8	37.5
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	15.6	20.3	19.4	31.6	13.3	13.2	16.8	22.6	22.2
Less than 50 lb	S	46.8	44.6	S	S	S	36.6	33.6	33.6
50 to 99 lb	36.2	32.7	33.0	S	S	S	S	45.9	43.0
100 to 499 lb	28.1	20.1	19.8	37.0	25.6	25.9	24.2	17.5	17.5
500 to 749 lb	25.9	26.3	27.4	42.7	27.5	27.4	39.4	28.1	26.6
750 to 999 lb	26.4	23.7	25.1	S	32.6	32.8	37.8	21.2	21.2
1,000 to 9,999 lb	19.4	15.8	15.5	36.6	15.0	14.5	22.6	18.5	18.6
10,000 to 49,999 lb	24.7	31.9	30.8	32.2	23.8	23.4	33.1	40.5	39.5
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products	14.1	S	S	18.5	44.0	43.6	8.9	37.8	37.0
Less than 50 lb	20.2	21.8	22.3	28.7	16.8	17.0	12.0	18.7	19.1
50 to 99 lb	34.1	25.3	26.2	18.8	16.6	15.2	25.7	19.8	20.2
100 to 499 lb	22.6	15.9	16.1	21.1	11.5	12.0	15.8	11.9	11.9
500 to 749 lb	30.4	45.8	47.9	23.5	16.4	16.5	27.7	S	S
750 to 999 lb	15.3	25.2	25.5	21.8	22.5	22.5	20.8	17.5	17.5
1,000 to 9,999 lb	21.9	S	S	31.5	S	S	16.0	S	S
10,000 to 49,999 lb	34.3	30.5	30.5	43.5	35.9	35.4	36.1	26.7	26.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 41, Waste and scrap	20.0	S	S	17.6	20.2	19.9	30.0	35.9	35.8
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	19.9	S	S	21.9	20.5	21.8	38.0	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	39.1	38.9	38.9
SCTG 43, Mixed freight	33.1	34.3	35.7	23.0	32.4	32.1	39.4	49.4	S
Less than 50 lb	37.6	35.6	37.0	32.1	41.1	41.4	47.4	40.8	43.4
50 to 99 lb	S	S	S	44.7	48.7	49.4	42.6	44.7	43.9
100 to 499 lb	43.9	42.0	45.8	42.3	42.4	42.2	47.8	S	S
500 to 749 lb	S	S	S	S	40.7	39.7	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	48.1	48.1
1,000 to 9,999 lb	S	41.9	41.5	33.7	28.1	28.0	40.6	34.5	37.7
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	38.8	42.8	42.3	29.4	29.5	30.5	36.0	45.3	44.2
Less than 50 lb	45.9	31.0	31.4	44.7	27.3	27.2	25.2	43.5	41.1
50 to 99 lb	S	49.0	S	S	S	S	32.9	32.8	32.4
100 to 499 lb	S	44.5	42.7	42.4	38.4	39.4	37.2	33.8	33.8
500 to 749 lb	46.4	46.5	43.4	S	S	S	S	47.7	46.9
750 to 999 lb	S	S	S	S	S	S	45.1	43.0	43.3
1,000 to 9,999 lb	S	30.3	29.3	40.0	48.4	49.0	44.2	S	S
10,000 to 49,999 lb	S	S	S	S	40.1	39.3	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

SAMPLE DESIGN

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

First Stage

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidiroglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty make up the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode-NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

Second Stage

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26,

1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

Third Stage

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

DATA COLLECTION

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which

the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed "unusable." (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these "unusable" shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of "usable" shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment's reporting week are both equal to one.

The quarter weight inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of

quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment's value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment's probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

Appendix D.

Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by agencies of the United States and Canadian governments based on the Harmonized System (HS) of product classification which is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In the past, Commodity Flow Survey (CFS) data have been collected and reported using product classifications found in the Standard Transportation Commodity Classification (STCC) system. These classifications were developed in the early 1960s by the American Association of Railroads (AAR) to analyze commodity movements by rail. The original purpose of the STCC was for identification of commodities for purposes of assigning rates for Interstate Commerce Commission (ICC) regulated rail carriers. The STCC continues to be used by the AAR as a tariff mechanism.

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although

it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

In 1997 the CFS provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, we instructed respondents to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment.

Additional information on the SCTG system can be found on the Internet through the BTS web page at <http://www.bts.gov>. Comments or questions on the SCTG should be directed to [http://cfs@bts.gov](mailto:cfs@bts.gov).

Appendix E.

Sample Report Forms and Instructions

The sample report forms and instructions are shown on the following pages.

Note: The CFS-2000 was sent to a subsample of establishments to obtain additional information about the use of transportation equipment and facilities.

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see *Instruction Guide* for a definition of "shipment."**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

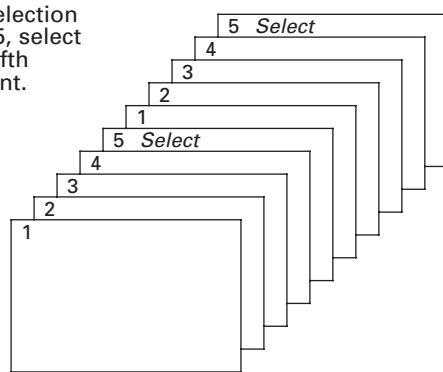
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

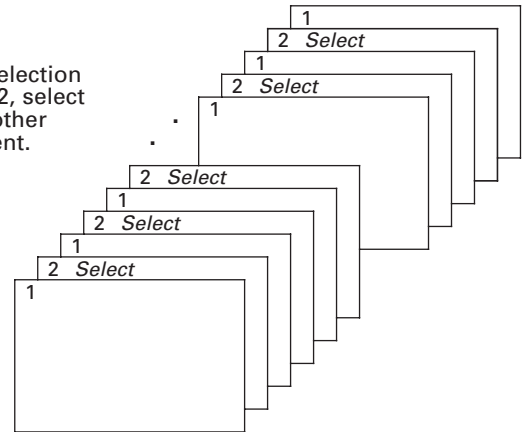
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	(j)								
(i)	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G
1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

2. Are the records for outbound shipments from this location maintained in a number of separate files (e.g., separate files for each commodity, or for each shipping site) at this location?

☐ Yes

☐ No

If yes to item G1 or item G2:
3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

Enter the total value of shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item I

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item J CERTIFICATION

Name of person to contact regarding this report — *Please print*

Telephone number — *Include area code*

Date

Signature

Title

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1
- ☐
- In operation
-
- 2
- ☐
- Temporarily or seasonally inactive
-
- 3
- ☐
- Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see Instruction Guide for a definition of "shipment."

DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.**YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

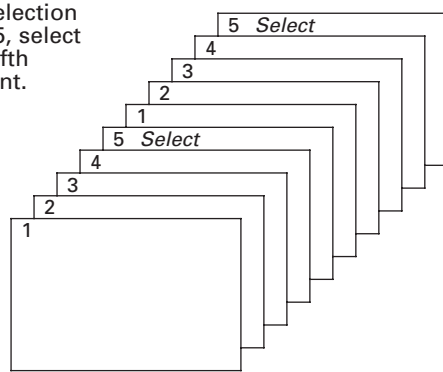
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

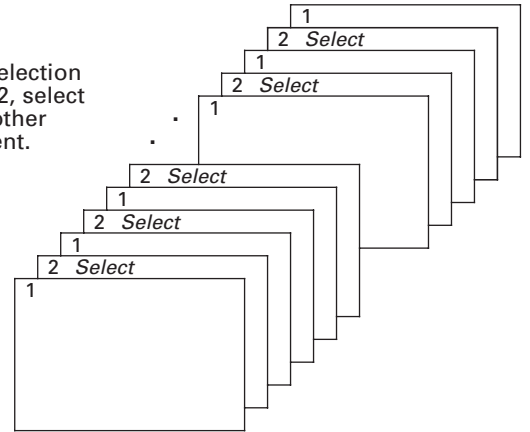
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
N	Los Angeles	CA	9 0 0 4 0	2, 4, 3	N				0
N	New York	NY	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G

Enter the total dollar value of **all** shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item H

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item I
AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not this type of facility existed **on-site** during 1997. For each "Yes" in column (b), check "Yes" or "No" in column (c) to indicate whether or not you used the facility on your premises for **outbound shipments** during 1997.

Type of shipping facility (a)	Was a shipping facility of this type on your premises during 1997? (b)	Did you use this facility on your premises for outbound shipments during 1997? (c)
1. Rail siding	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
2. Dock on the Great Lakes	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
3. Dock on inland water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
4. Dock on deep sea water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
6. Pipeline terminal	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item J **USE OF OFF-SITE SHIPPING FACILITIES**

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not you used an **off-site** facility of that type for **outbound shipments** during 1997. For each "Yes", enter the miles to that off-site facility in column (c), and the mode of transport used to reach that facility in column (d). The modes are listed below.

Type of shipping facility (a)	Did you use this type of off-site facility for outbound shipments during 1997? (b)	Distance to the off-site facility of this type that you used most in 1997 (Report in miles – estimates are acceptable) (c)	Mode of transport used to reach that facility (Enter a code from the list below) (d)
1. Rail siding	1 ☐ Yes —————→ 2 ☐ No		
2. Dock on the Great Lakes	1 ☐ Yes —————→ 2 ☐ No		
3. Dock on inland water	1 ☐ Yes —————→ 2 ☐ No		
4. Dock on deep sea water	1 ☐ Yes —————→ 2 ☐ No		
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —————→ 2 ☐ No		
6. Pipeline terminal	1 ☐ Yes —————→ 2 ☐ No		

1 – Trailer on Flat Car (TOFC)
2 – Private Truck

3 – For-Hire Truck
4 – Rail

5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

During 1997, did this location use any of the following types of equipment for outbound shipments? Please check "Yes" or "No." For rail cars reported in number 1 below, enter the approximate percentage of your total outbound rail shipments that used that type of rail car. These percentages should add to 100%. If you had no rail shipments, leave the percentages blank.

Equipment (a)	Was this type of equipment used for outbound shipments during 1993? (b)	Percentage of total rail shipments (c)
1. Rail cars that:	1 ☐ Yes → 2 ☐ No	
a. Your company owned/leased		
b. A common carrier owned/leased	1 ☐ Yes → 2 ☐ No	
c. Another party owned/leased (e.g. receiver)	1 ☐ Yes → 2 ☐ No	
2. Trucks with 6 or more tires or truck-tractors that:	1 ☐ Yes 2 ☐ No	
a. Your company owned		
b. Your company leased, with driver	1 ☐ Yes 2 ☐ No	
c. Your company leased, without driver	1 ☐ Yes 2 ☐ No	
3. Truck trailers that your company owned or leased	1 ☐ Yes 2 ☐ No	
4. Aircraft that your company owned or leased	1 ☐ Yes 2 ☐ No	
5. Barges that your company owned or leased	1 ☐ Yes 2 ☐ No	
6. Other equipment that your company owned or leased – <i>Specify</i> ↴	1 ☐ Yes 2 ☐ No	

Item L TRANSPORTATION DECISIONS

During 1997, who generally decided on the mode of transportation for your outbound shipments? *Check the appropriate box.*

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

Item M CERTIFICATIONName of person to contact regarding this report – *Please print*Telephone number – *Include area code*

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

You may use estimates if book figures are not readily available.

If you have questions about completing the survey, a Census Bureau representative will be glad to assist you. You can call us at 1-800-772-7851.

Some instructions are included on the questionnaire itself. However, due to space limitations, most of the instructions and definitions are included in separate reference materials. These include this instruction guide, and a listing of commodity codes to be used for classifying individual shipments in this survey.

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

The CFS produces valuable measures of the demands on the nation's transportation system.

The results of the CFS are used by transportation policy makers to analyze future transportation needs.

Who reports in the CFS?

The CFS covers a sample of establishments in the mining, manufacturing, wholesale, and selected retail industries.

Why is my participation important?

Your establishment was selected as part of a sample designed to represent a wide range of industries and geographic regions.

Your report helps ensure quality results.

Is this survey mandatory?

Yes. The CFS is mandatory under the authority of Title 13, United States Code (USC).

Will my data be kept confidential?

Yes. The same law that requires your participation, Title 13, USC, also guarantees your data will be kept strictly confidential.

The reports you provide the Census Bureau cannot be used for purposes of taxation, regulation, or investigation.

Your report is used only to develop summary data that do not reveal the activities of individual firms or establishments.

How often must I report?

You will be sent four questionnaires in all: one during each quarter of 1997.

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

Please enter the information requested on your establishment's name, operational status, and physical location.

Item D

Enter in the space provided your total number of outbound shipments **for the one week reporting period** on the front of the questionnaire.

Please include in this count any materials picked up by the customer ("customer pick-up").

What we mean by a "shipment":

For the purposes of this survey, a shipment is a single movement of goods, commodities, products, etc. from your location to a customer or to another location of your company.

"Commodities" refer to items that your location produces, sells, or distributes, *not* to items that are considered by-products of your location's operation.

What we don't mean by a "shipment":

Do *not* include as shipments items such as inter-office memos, payroll checks, business correspondence, etc.

Do *not* include as shipments items such as refuse, scrap paper, waste, and recyclable materials **unless** your location is in the business of selling or providing these materials to others.

A special note about "shipments":

A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location.

If a truck makes multiple deliveries on a route, **please count each stop as one shipment.**

Item E: Sampling Instructions

If you reported 40 or fewer shipments in Item D, complete Item F (Shipment Characteristics) for all of your shipments covered by the one-week reporting period.

If you reported more than 40 shipments in Item D, follow the instructions in Item E in order to select a sample of shipments on which to report in Item F.

By asking you to select a sample of your shipments for the one-week reporting period, we avoid asking you for information on all your shipments, while still obtaining statistically accurate information.

Reminder: The files you are sampling from should reflect the full range of your location's shipping activities in terms of modes of transportation used, commodities shipped, and destinations.

We're here to answer your questions! If you have questions about the sampling process (or any part of the questionnaire) please call us at 1-800-772-7851.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

- **Shipment ID Number (column b)** – Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date (column c)** – Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value (column d)** – Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, f.o.b. plant). If the value is not readily available from your records, please estimate.
- **Shipment Weight (column e)** – Enter the weight of the total shipment in whole pounds. If weight is not readily available from your records, please estimate.
- **Commodity Code (column f)** – Please use the list of Standard Classification of Transported Goods (SCTG) Codes in the enclosed SCTG Manual to select the proper code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight.
- **Commodity Description (column g)** – Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.

Item F SHIPMENT CHARACTERISTICS							
Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
		Month	Day				
0	123-5	4	26	4,235	140	3 6 1 2 0	Electrical transformers
00	123-6	4	26	125,300	626,500	1 7 1 0 0	Gasoline
1							
2							
3							
4							

Mode of transport codes for columns (k) and (n) ▶

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **For Hazardous Materials (column h)** – If shipment is a hazardous material, enter the 4-digit United Nations or North American number.
- **Containerized (column i)** – Indicate whether or not the shipment was containerized by entering "Y" or "N" (yes or no). Containerized means that the shipment **left your establishment** in an intermodal container or stackable tank without permanently attached wheels. These containers typically vary from 20 to 53 feet in length, and are carried on truck chassis, trains, and ships.
- **U.S. Destination: City, State, and ZIP Code (column j)** – For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver as it appears on the shipping document. Use the **"ship to"** address. Use the two letter state abbreviation shown in Part IV.

For **export shipments**, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, it is the border crossing.
- **Mode(s) of Transport (column k)** – Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in column j). Codes are located on the bottom of pages 2, 3, 4, and 5 of the questionnaire. Enter in the sequence used, all that apply. See Part III for definitions of each mode.

For Customer Pick-up: Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

If a hazardous material, enter the "UN" or "NA" number (h)	Containerized? (Y/N) (i)	U.S. destination (j)			Mode(s) of transport to U.S. destination Enter all that apply using codes shown below. (k)
		City	State	ZIP Code	
	N	Los Angeles	CA	90040	2, 4, 3
	N	New York	NY	10454	5

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **Export Shipment (column l)** – Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" or "N" (yes or no). For purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions are considered exports.
- **Foreign Destination: City and Country (column m)** – If the shipment is an export, enter the foreign city and country of destination. **For U.S. Destination (column j),** enter the U.S. port, airport, or border crossing of exit. **In column (k),** enter the mode of transport used to the U.S. destination.
- **Export Mode (column n)** – If the shipment is an export, enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 2, 3, 4, and 5 of the questionnaire.

Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	Country		
N				0
Y	London	England	6	00
				1
				2
				3
				4
				5

Items G – I

Please enter the information requested.

Item J: Certification

Please enter the name and telephone number of the person to contact in the event that we have a question about your report.

PART III – MODE DEFINITIONS

Parcel delivery/Courier/U.S. Postal Service – Delivery services that carry letters, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.

Private truck – Trucks operated by a temporary or permanent employee of this establishment or the buyer/receiver of the shipment.

For-hire truck – Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.

Railroad – Any common carrier or private railroad.

Shallow draft vessel – Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.

Deep draft vessel – Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.

Air – Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.

Other mode – Any mode not listed above.

Unknown – The shipment was not carried by a parcel delivery/courier/U.S. Postal service, and you cannot determine what mode of transportation is used.

Note: Commodities that are "shipped" under their own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Commodities shipped under their own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other" mode.**

PART IV -- STATE ABBREVIATION LIST

State	Abbrev.	State	Abbrev.
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

NOTICE - We estimate that it will take an average of 2 hours to complete this form. This includes time to read instructions, assemble and review information, and record answers on the form. If you have any comments regarding this estimate or any other aspect of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0189, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-0001. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

