

Northeast Region

1997

Issued April 2000

EC97TCF-REG(1)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

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



ACKNOWLEDGMENTS

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

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

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

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

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

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

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

1997 Economic Census
Transportation
1997 Commodity Flow Survey



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

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



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

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

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



**BUREAU OF TRANSPORTATION
STATISTICS**

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

CONTENTS

Introduction to the Economic Census	1
1997 Commodity Flow Survey	3

TABLES

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

APPENDIXES

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

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

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

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

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

BASIS OF REPORTING

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

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

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

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

HISTORICAL INFORMATION

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

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

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

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

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

SOURCES FOR MORE INFORMATION

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

1997 Commodity Flow Survey

GENERAL

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

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

INDUSTRY COVERAGE

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

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

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

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

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

SHIPMENT COVERAGE

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

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

MILEAGE CALCULATIONS

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

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

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

Mileage Data for Pipeline Shipments

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

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

DISCLOSURE RULES

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

EXPLANATION OF TERMS

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

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

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

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

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

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

Mode Definitions

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

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

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

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

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

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

Other Definitions and Terms

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

Standard Classification of Transported Goods

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

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

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

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

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

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

ABBREVIATIONS AND SYMBOLS

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

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

OTHER TRANSPORTATION DATA

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

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

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

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

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

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

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

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

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

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

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	1 181 747	100.0	1 309 423	100.0	195 036	100.0	469
Single modes	914 796	77.4	1 256 093	95.9	175 724	90.1	160
Truck ¹	839 166	71.0	1 115 442	85.2	128 348	65.8	129
For-hire truck	493 860	41.8	475 150	36.3	91 497	46.9	482
Private truck	336 690	28.5	609 362	46.5	34 127	17.5	47
Rail	18 314	1.5	67 780	5.2	34 886	17.9	537
Water	5 740	.5	30 752	2.3	4 618	2.4	S
Shallow draft	2 256	.2	26 551	2.0	S	S	S
Great Lakes	S	S	S	S	S	S	10
Deep draft	3 460	.3	4 139	.3	899	.5	S
Air (includes truck and air)	43 489	3.7	827	—	1 155	.6	1 347
Pipeline ²	8 087	.7	41 291	3.2	S	S	S
Multiple modes	225 966	19.1	16 579	1.3	11 429	5.9	789
Parcel, U.S. Postal Service or courier	221 545	18.7	5 244	.4	3 868	2.0	788
Truck and rail	3 319	.3	S	S	2 760	1.4	1 642
Truck and water	661	—	S	S	S	S	1 803
Rail and water	65	—	2 625	.2	918	.5	374
Other multiple modes	375	—	S	S	S	.5	272
Other and unknown modes	40 985	3.5	36 751	2.8	7 883	4.0	132

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

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

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

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

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

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

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

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	1 181 747	1 010 234	17.0	1 309 423	1 051 155	24.6	195 036	176 937	10.2	469	435	7.8
Single modes	914 796	826 979	10.6	1 256 093	1 005 376	24.9	175 724	158 522	10.9	160	185	-13.5
Truck ¹	839 166	775 762	8.2	1 115 442	858 860	29.9	128 348	107 534	19.4	129	139	-7.5
For-hire truck	493 860	476 063	3.7	475 150	330 701	43.7	91 497	79 052	15.7	482	502	-3.9
Private truck	336 690	298 859	12.7	609 362	525 162	16.0	34 127	28 157	21.2	47	49	-4.5
Rail	18 314	15 016	22.0	67 780	84 348	-19.6	34 886	37 417	-6.8	537	554	-3.0
Water	5 740	6 525	-12.0	30 752	47 825	-35.7	4 618	12 643	-63.5	S	908	S
Shallow draft	2 256	3 579	-37.0	26 551	32 156	-17.4	S	5 358	S	S	S	S
Great Lakes	S	—	S	S	—	S	S	—	S	10	—	S
Deep draft	3 460	2 946	17.4	4 139	S	S	899	S	S	S	3 620	S
Air (includes truck and air)	43 489	27 191	59.9	827	459	80.3	1 155	646	78.7	1 347	1 339	.6
Pipeline ²	8 087	2 484	225.5	41 291	13 885	197.4	S	S	S	S	S	S
Multiple modes	225 966	148 113	52.6	16 579	20 169	-17.8	11 429	11 505	-7	789	699	12.8
Parcel, U.S. Postal Service or courier	221 545	144 382	53.4	5 244	3 886	35.0	3 868	2 460	57.2	788	699	12.9
Truck and rail	3 319	2 446	35.7	S	1 367	S	2 760	1 570	75.8	1 642	1 401	17.2
Truck and water	661	810	-18.4	S	836	S	S	954	S	1 803	1 757	2.6
Rail and water	65	469	-86.1	2 625	14 072	-81.3	918	6 504	-85.9	374	577	-35.2
Other multiple modes	375	5	S	S	S	S	S	S	S	272	2 353	-88.4
Other and unknown modes	40 985	35 143	16.6	36 751	25 609	43.5	7 883	6 910	14.1	132	227	-42.1

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

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

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

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

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

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

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

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	77.4	81.9	95.9	95.6	90.1	89.6
Truck ¹	71.0	76.8	85.2	81.7	65.8	60.8
For-hire truck	41.8	47.1	36.3	31.5	46.9	44.7
Private truck	28.5	29.6	46.5	50.0	17.5	15.9
Rail	1.5	1.5	5.2	8.0	17.9	21.1
Water	.5	.6	2.3	4.5	2.4	7.1
Shallow draft	.2	.4	2.0	3.1	S	3.0
Great Lakes	S	—	S	—	S	—
Deep draft	.3	.3	.3	S	.5	S
Air (includes truck and air)	3.7	2.7	—	—	.6	.4
Pipeline ²	.7	.2	3.2	1.3	S	S
Multiple modes	19.1	14.7	1.3	1.9	5.9	6.5
Parcel, U.S. Postal Service or courier	18.7	14.3	.4	.4	2.0	1.4
Truck and rail	.3	.2	S	.1	1.4	.9
Truck and water	—	—	S	—	S	.5
Rail and water	—	—	.2	1.3	.5	3.7
Other multiple modes	—	—	S	S	S	S
Other and unknown modes	3.5	3.5	2.8	2.4	4.0	3.9

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

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

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

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

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

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

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

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	195 037	100.0	463
Truck	128 746	66.0	128
Rail	38 066	19.5	705
Shallow draft	5 869	3.0	S
Great Lakes	259	.1	405
Deep draft	2 530	1.3	2 904
Air	1 095	.6	1 266
Parcel, U.S. Postal Service or courier	3 868	2.0	788
Pipeline	S	S	S
Other and unknown modes	7 889	4.0	132

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

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

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

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

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	1 181 747	100.0	1 309 423	100.0	195 036	100.0
Less than 50 miles	382 821	32.4	902 519	68.9	17 780	9.1
50 to 99 miles	126 193	10.7	132 433	10.1	12 515	6.4
100 to 249 miles	192 015	16.2	136 106	10.4	32 030	16.4
250 to 499 miles	128 883	10.9	58 568	4.5	27 844	14.3
500 to 749 miles	99 136	8.4	28 811	2.2	22 994	11.8
750 to 999 miles	71 326	6.0	19 203	1.5	21 009	10.8
1,000 to 1,499 miles	75 740	6.4	18 528	1.4	26 309	13.5
1,500 to 1,999 miles	27 104	2.3	3 630	.3	7 319	3.8
2,000 miles or more	78 528	6.6	9 624	.7	27 236	14.0
Single modes	914 796	100.0	1 256 093	100.0	175 724	100.0
Less than 50 miles	319 998	35.0	870 048	69.3	17 232	9.8
50 to 99 miles	106 842	11.7	129 644	10.3	12 238	7.0
100 to 249 miles	153 002	16.7	130 409	10.4	30 467	17.3
250 to 499 miles	99 739	10.9	55 694	4.4	26 435	15.0
500 to 749 miles	73 786	8.1	25 964	2.1	20 439	11.6
750 to 999 miles	51 523	5.6	17 326	1.4	18 297	10.4
1,000 to 1,499 miles	46 631	5.1	16 332	1.3	23 119	13.2
1,500 to 1,999 miles	16 990	1.9	3 107	.2	6 290	3.6
2,000 miles or more	46 285	5.1	7 569	.6	21 207	12.1
Truck¹	839 166	100.0	1 115 442	100.0	128 348	100.0
Less than 50 miles	305 870	36.4	813 625	72.9	16 412	12.8
50 to 99 miles	99 999	11.9	114 444	10.3	10 520	8.2
100 to 249 miles	141 680	16.9	93 189	8.4	18 892	14.7
250 to 499 miles	91 843	10.9	43 025	3.9	18 820	14.7
500 to 749 miles	67 496	8.0	20 947	1.9	15 632	12.2
750 to 999 miles	45 974	5.5	11 312	1.0	11 372	8.9
1,000 to 1,499 miles	36 442	4.3	9 605	.9	13 223	10.3
1,500 to 1,999 miles	14 090	1.7	2 756	.2	5 568	4.3
2,000 miles or more	35 772	4.3	6 538	.6	17 909	14.0
For-hire truck	493 860	100.0	475 150	100.0	91 497	100.0
Less than 50 miles	85 105	17.2	293 233	61.7	6 746	7.4
50 to 99 miles	52 070	10.5	51 807	10.9	4 832	5.3
100 to 249 miles	105 086	21.3	53 415	11.2	11 059	12.1
250 to 499 miles	77 056	15.6	32 561	6.9	14 061	15.4
500 to 749 miles	59 144	12.0	18 057	3.8	13 469	14.7
750 to 999 miles	39 285	8.0	9 934	2.1	9 975	10.9
1,000 to 1,499 miles	31 816	6.4	8 211	1.7	11 267	12.3
1,500 to 1,999 miles	12 333	2.5	2 092	.4	4 126	4.5
2,000 miles or more	31 965	6.5	5 840	1.2	15 964	17.4
Private truck	336 690	100.0	609 362	100.0	34 127	100.0
Less than 50 miles	218 636	64.9	496 495	81.5	8 839	25.9
50 to 99 miles	46 738	13.9	59 503	9.8	5 342	15.7
100 to 249 miles	35 175	10.4	37 255	6.1	7 348	21.5
250 to 499 miles	12 736	3.8	9 697	1.6	4 419	12.9
500 to 749 miles	7 554	2.2	2 534	.4	1 900	5.6
750 to 999 miles	6 219	1.8	1 295	.2	1 315	3.9
1,000 to 1,499 miles	4 446	1.3	1 319	.2	1 850	5.4
1,500 to 1,999 miles	1 721	.5	S	S	S	S
2,000 miles or more	3 465	1.0	606	.1	1 686	4.9
Rail	18 314	100.0	67 780	100.0	34 886	100.0
Less than 50 miles	2 848	15.6	6 317	9.3	279	.8
50 to 99 miles	400	2.2	4 806	7.1	746	2.1
100 to 249 miles	2 802	15.3	32 315	47.7	10 600	30.4
250 to 499 miles	4 244	23.2	10 611	15.7	5 619	16.1
500 to 749 miles	2 581	14.1	4 535	6.7	4 245	12.2
750 to 999 miles	1 853	10.1	S	S	6 832	19.6
1,000 to 1,499 miles	2 270	12.4	2 220	3.3	3 657	10.5
1,500 to 1,999 miles	331	1.8	325	.5	673	1.9
2,000 miles or more	984	5.4	711	1.0	2 236	6.4
Water	5 740	100.0	30 752	100.0	4 618	100.0
Less than 50 miles	4 847	84.4	17 608	57.3	460	10.0
50 to 99 miles	672	11.7	9 477	30.8	883	19.1
100 to 249 miles	63	1.1	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Shallow draft	2 256	100.0	26 551	100.0	S	S
Less than 50 miles	S	S	16 089	60.6	433	11.6
50 to 99 miles	358	15.8	7 091	26.7	615	16.5
100 to 249 miles	55	2.4	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	3 460	100.0	4 139	100.0	899	100.0
Less than 50 miles	3 027	87.5	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	43 489	100.0	827	100.0	1 155	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	S	S	51	6.1	9	.8
100 to 249 miles	7 907	18.2	154	18.6	59	5.1
250 to 499 miles	3 595	8.3	90	10.8	55	4.8
500 to 749 miles	3 673	8.4	80	9.7	86	7.5
750 to 999 miles	3 686	8.5	73	8.9	92	8.0
1,000 to 1,499 miles	6 996	16.1	106	12.8	156	13.5
1,500 to 1,999 miles	2 569	5.9	25	3.1	50	4.3
2,000 miles or more	9 474	21.8	248	30.0	648	56.1
Pipeline²	8 087	100.0	41 291	100.0	S	S
Less than 50 miles	6 432	79.5	32 498	78.7	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	—	—	—	—	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	225 966	100.0	16 579	100.0	11 429	100.0
Less than 50 miles	40 295	17.8	S	S	205	1.8
50 to 99 miles	16 478	7.3	1 013	6.1	117	1.0
100 to 249 miles	34 422	15.2	3 178	19.2	1 054	9.2
250 to 499 miles	26 506	11.7	1 346	8.1	789	6.9
500 to 749 miles	23 539	10.4	S	S	S	S
750 to 999 miles	18 500	8.2	1 220	7.4	2 054	18.0
1,000 to 1,499 miles	26 557	11.8	948	5.7	1 513	13.2
1,500 to 1,999 miles	9 199	4.1	273	1.6	543	4.8
2,000 miles or more	30 469	13.5	1 102	6.6	3 385	29.6
Parcel, U.S. Postal Service or courier	221 545	100.0	5 244	100.0	3 868	100.0
Less than 50 miles	40 095	18.1	1 122	21.4	32	.8
50 to 99 miles	16 432	7.4	498	9.5	47	1.2
100 to 249 miles	33 895	15.3	870	16.6	182	4.7
250 to 499 miles	26 289	11.9	587	11.2	258	6.7
500 to 749 miles	23 084	10.4	531	10.1	393	10.2
750 to 999 miles	18 056	8.1	454	8.7	463	12.0
1,000 to 1,499 miles	26 124	11.8	511	9.8	710	18.4
1,500 to 1,999 miles	8 995	4.1	167	3.2	329	8.5
2,000 miles or more	28 577	12.9	504	9.6	1 454	37.6
Truck and rail	3 319	100.0	S	S	2 760	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	10	.3	S	S	S	S
100 to 249 miles	171	5.2	S	S	S	S
250 to 499 miles	S	S	56	1.1	26	.9
500 to 749 miles	323	9.7	178	3.6	167	6.1
750 to 999 miles	270	8.1	88	1.8	100	3.6
1,000 to 1,499 miles	294	8.9	247	5.1	411	14.9
1,500 to 1,999 miles	205	6.2	S	S	S	S
2,000 miles or more	1 810	54.5	558	11.4	1 724	62.5
Truck and water	661	100.0	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	135	20.4	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	175	26.4	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	62	9.4	18	.7	131	3.9

See footnotes at end of table.

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	65	100.0	2 625	100.0	918	100.0
Less than 50 miles	20	31.2	736	28.0	105	11.5
50 to 99 miles	S	S	S	S	51	5.5
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	16	25.1	683	26.0	487	53.1
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other multiple modes	375	100.0	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	40 985	100.0	36 751	100.0	7 883	100.0
Less than 50 miles	22 528	55.0	26 785	72.9	342	4.3
50 to 99 miles	2 873	7.0	1 775	4.8	160	2.0
100 to 249 miles	4 592	11.2	2 519	6.9	508	6.4
250 to 499 miles	2 638	6.4	1 528	4.2	621	7.9
500 to 749 miles	1 811	4.4	1 035	2.8	786	10.0
750 to 999 miles	1 303	3.2	658	1.8	658	8.3
1,000 to 1,499 miles	2 551	6.2	1 248	3.4	1 677	21.3
1,500 to 1,999 miles	914	2.2	251	.7	485	6.2
2,000 miles or more	1 774	4.3	953	2.6	2 645	33.6

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

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

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

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

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

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	1 181 747	100.0	1 309 423	100.0	195 036	100.0	469
Less than 50 lb	215 424	18.2	4 851	4	2 075	1.1	546
50 to 99 lb	56 967	4.8	2 875	2	905	.5	315
100 to 499 lb	174 140	14.7	15 605	1.2	3 905	2.0	259
500 to 749 lb	45 480	3.8	7 032	.5	1 537	.8	216
750 to 999 lb	37 328	3.2	6 128	.5	1 555	.8	250
1,000 to 9,999 lb	274 495	23.2	91 481	7.0	19 482	10.0	213
10,000 to 49,999 lb	302 384	25.6	589 876	45.0	87 449	44.8	158
50,000 to 99,999 lb	33 270	2.8	252 790	19.3	16 901	8.7	65
100,000 lb or more	42 260	3.6	338 784	25.9	61 227	31.4	185
Single modes	914 796	100.0	1 256 093	100.0	175 724	100.0	160
Less than 50 lb	60 407	6.6	2 387	.2	306	.2	146
50 to 99 lb	26 615	2.9	1 888	.2	260	.1	135
100 to 499 lb	129 620	14.2	13 449	1.1	2 662	1.5	187
500 to 749 lb	39 830	4.4	6 631	.5	1 377	.8	205
750 to 999 lb	34 777	3.8	5 804	.5	1 385	.8	237
1,000 to 9,999 lb	260 341	28.5	87 789	7.0	18 103	10.3	206
10,000 to 49,999 lb	291 256	31.8	576 039	45.9	81 413	46.3	150
50,000 to 99,999 lb	31 890	3.5	247 886	19.7	15 243	8.7	60
100,000 lb or more	40 060	4.4	314 221	25.0	54 974	31.3	177
Truck¹	839 166	100.0	1 115 442	100.0	128 348	100.0	129
Less than 50 lb	44 389	5.3	2 323	.2	225	.2	97
50 to 99 lb	22 484	2.7	1 854	.2	215	.2	112
100 to 499 lb	115 435	13.8	13 295	1.2	2 483	1.9	174
500 to 749 lb	37 311	4.4	6 586	.6	1 313	1.0	196
750 to 999 lb	33 128	3.9	5 776	.5	1 356	1.1	233
1,000 to 9,999 lb	254 683	30.3	87 301	7.8	17 592	13.7	201
10,000 to 49,999 lb	288 320	34.4	574 733	51.5	79 710	62.1	147
50,000 to 99,999 lb	29 689	3.5	246 410	22.1	14 259	11.1	57
100,000 lb or more	13 728	1.6	177 165	15.9	11 196	8.7	75
For-hire truck	493 860	100.0	475 150	100.0	91 497	100.0	482
Less than 50 lb	15 884	3.2	308	—	145	.2	475
50 to 99 lb	9 333	1.9	279	—	144	.2	505
100 to 499 lb	63 953	12.9	3 093	.7	1 881	2.1	588
500 to 749 lb	21 164	4.3	1 531	.3	1 017	1.1	653
750 to 999 lb	20 993	4.3	1 513	.3	1 093	1.2	720
1,000 to 9,999 lb	155 852	31.6	25 660	5.4	13 098	14.3	546
10,000 to 49,999 lb	185 937	37.6	275 281	57.9	61 163	66.8	254
50,000 to 99,999 lb	13 106	2.7	107 054	22.5	7 174	7.8	68
100,000 lb or more	7 638	1.5	60 431	12.7	5 783	6.3	S
Private truck	336 690	100.0	609 362	100.0	34 127	100.0	47
Less than 50 lb	28 356	8.4	1 990	.3	78	.2	40
50 to 99 lb	13 069	3.9	1 529	.3	69	.2	44
100 to 499 lb	50 937	15.1	10 118	1.7	585	1.7	55
500 to 749 lb	15 935	4.7	5 020	.8	288	.8	57
750 to 999 lb	12 015	3.6	4 238	.7	247	.7	58
1,000 to 9,999 lb	96 073	28.5	61 079	10.0	4 302	12.6	66
10,000 to 49,999 lb	98 039	29.1	288 509	47.3	17 068	50.0	61
50,000 to 99,999 lb	16 314	4.8	130 098	21.3	6 375	18.7	47
100,000 lb or more	5 953	1.8	106 782	17.5	5 114	15.0	64
Rail	18 314	100.0	67 780	100.0	34 886	100.0	537
Less than 50 lb	S	S	S	S	—	—	S
50 to 99 lb	S	S	S	S	S	S	510
100 to 499 lb	9	—	1	—	S	S	1 133
500 to 749 lb	8	—	—	—	S	S	1 139
750 to 999 lb	4	—	—	—	S	S	1 035
1,000 to 9,999 lb	S	S	S	S	40	.1	S
10,000 to 49,999 lb	1 913	10.4	1 073	1.6	1 550	4.4	1 473
50,000 to 99,999 lb	2 003	10.9	1 050	1.5	885	2.5	841
100,000 lb or more	13 089	71.5	65 469	96.6	32 409	92.9	607
Water	5 740	100.0	30 752	100.0	4 618	100.0	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	3	—	S	S	S	S	104
750 to 999 lb	S	S	S	S	S	S	590
1,000 to 9,999 lb	S	S	S	S	S	S	119
10,000 to 49,999 lb	S	S	120	.4	7	.1	S
50,000 to 99,999 lb	S	S	S	S	S	S	S
100,000 lb or more	5 146	89.7	30 247	98.4	4 600	99.6	232
Shallow draft	2 256	100.0	26 551	100.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	11
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	20
500 to 749 lb	S	S	S	S	S	S	108
750 to 999 lb	S	S	S	S	S	S	37
1,000 to 9,999 lb	S	S	S	S	S	S	93
10,000 to 49,999 lb	S	S	S	S	1	—	37
50,000 to 99,999 lb	S	S	S	S	S	S	18
100,000 lb or more	S	S	26 167	98.6	S	S	173

See footnotes at end of table.

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	S	S	S	S	S	S	10
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	9
50,000 to 99,999 lb	S	S	S	S	S	S	10
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	3 460	100.0	4 139	100.0	899	100.0	S
Less than 50 lb	S	S	S	S	S	S	108
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	2 419
500 to 749 lb	S	S	S	S	S	S	38
750 to 999 lb	S	S	S	S	S	S	6 244
1,000 to 9,999 lb	S	S	1	—	S	S	979
10,000 to 49,999 lb	58	1.7	S	—	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	570
100,000 lb or more	3 358	97.1	4 080	98.6	S	S	S
Air (includes truck and air)	43 489	100.0	827	100.0	1 155	100.0	1 347
Less than 50 lb	15 980	36.7	62	7.4	81	7.0	1 348
50 to 99 lb	4 126	9.5	33	4.0	45	3.9	1 371
100 to 499 lb	14 121	32.5	143	17.3	176	15.2	1 275
500 to 749 lb	2 508	5.8	41	5.0	63	5.5	1 543
750 to 999 lb	1 641	3.8	28	3.3	29	2.5	1 041
1,000 to 9,999 lb	4 335	10.0	279	33.7	469	40.6	1 634
10,000 to 49,999 lb	S	S	110	13.3	147	12.7	1 399
50,000 to 99,999 lb	S	S	75	9.1	S	S	1 288
100,000 lb or more	22	—	57	6.9	53	4.6	835
Pipeline²	8 087	100.0	41 291	100.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	S	S	S
100,000 lb or more	8 074	99.8	41 283	100.0	S	S	S
Multiple modes	225 966	100.0	16 579	100.0	11 429	100.0	789
Less than 50 lb	146 300	64.7	2 276	13.7	1 748	15.3	792
50 to 99 lb	28 817	12.8	860	5.2	637	5.6	737
100 to 499 lb	40 285	17.8	1 696	10.2	1 196	10.5	726
500 to 749 lb	4 291	1.9	225	1.4	141	1.2	618
750 to 999 lb	1 760	.8	181	1.1	S	S	798
1,000 to 9,999 lb	814	.4	79	.5	97	.8	1 232
10,000 to 49,999 lb	2 717	1.2	1 708	10.3	2 813	24.6	1 641
50,000 to 99,999 lb	269	.1	556	3.4	194	1.7	S
100,000 lb or more	714	.3	9 000	54.3	4 451	38.9	939
Parcel, U.S. Postal Service or courier	221 545	100.0	5 244	100.0	3 868	100.0	788
Less than 50 lb	146 296	66.0	2 276	43.4	1 748	45.2	792
50 to 99 lb	28 815	13.0	860	16.4	637	16.5	737
100 to 499 lb	40 236	18.2	1 692	32.3	1 190	30.8	725
500 to 749 lb	4 286	1.9	224	4.3	139	3.6	611
750 to 999 lb	1 745	.8	180	3.4	S	S	790
1,000 to 9,999 lb	167	—	13	.2	S	S	312
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	3 319	100.0	S	S	2 760	100.0	1 642
Less than 50 lb	S	S	S	S	S	S	1 489
50 to 99 lb	S	S	S	S	S	S	2 746
100 to 499 lb	S	S	2	—	S	S	1 099
500 to 749 lb	S	S	S	S	1	—	1 332
750 to 999 lb	S	S	S	S	S	S	2 254
1,000 to 9,999 lb	599	18.1	43	.9	55	2.0	1 594
10,000 to 49,999 lb	2 364	71.2	1 126	23.1	2 189	79.3	1 908
50,000 to 99,999 lb	70	2.1	S	S	111	4.0	S
100,000 lb or more	228	6.9	S	S	401	14.5	1 142
Truck and water	661	100.0	S	S	S	S	1 803
Less than 50 lb	S	S	S	S	S	S	5 922
50 to 99 lb	S	S	S	S	S	S	80
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	7 625
750 to 999 lb	S	S	S	S	S	S	7 919
1,000 to 9,999 lb	46	6.9	19	.8	S	S	3 251
10,000 to 49,999 lb	258	39.0	372	15.0	505	14.9	1 384
50,000 to 99,999 lb	125	18.8	87	3.5	S	S	894
100,000 lb or more	S	S	S	S	S	S	1 134

See footnotes at end of table.

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	65	100.0	2 625	100.0	918	100.0	374
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	126
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	65	100.0	2 625	100.0	918	100.0	376
Other multiple modes	375	100.0	S	S	S	S	272
Less than 50 lb	S	S	S	S	S	S	503
50 to 99 lb	S	S	S	S	S	S	152
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	498
50,000 to 99,999 lb	S	S	S	S	S	S	20
100,000 lb or more	S	S	S	S	S	S	387
Other and unknown modes	40 985	100.0	36 751	100.0	7 883	100.0	132
Less than 50 lb	8 716	21.3	189	.5	21	.3	123
50 to 99 lb	1 535	3.7	128	.3	9	.1	69
100 to 499 lb	4 235	10.3	461	1.3	47	.6	92
500 to 749 lb	1 359	3.3	176	.5	19	.2	110
750 to 999 lb	791	1.9	143	.4	17	.2	117
1,000 to 9,999 lb	13 340	32.5	3 614	9.8	1 282	16.3	361
10,000 to 49,999 lb	8 412	20.5	12 129	33.0	3 223	40.9	307
50,000 to 99,999 lb	1 111	2.7	4 348	11.8	1 464	18.6	347
100,000 lb or more	1 486	3.6	15 563	42.3	1 802	22.9	385

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

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

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

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	1 181 747	100.0	1 309 423	100.0	195 036	100.0	469
01	Live animals and live fish	202	—	165	—	79	—	S
02	Cereal grains	723	—	2 273	.2	274	.1	S
03	Other agricultural products	9 958	.8	14 124	1.1	1 717	.9	131
04	Animal feed and products of animal origin, n.e.c.	4 538	.4	12 226	.9	1 464	.8	170
05	Meat, fish, seafood, and their preparations	20 641	1.7	7 222	.6	2 227	1.1	110
06	Milled grain products and preparations, and bakery products	19 823	1.7	13 987	1.1	4 399	2.3	69
07	Other prepared foodstuffs and fats and oils	66 507	5.6	61 834	4.7	12 988	6.7	104
08	Alcoholic beverages	15 219	1.3	14 409	1.1	3 574	1.8	38
09	Tobacco products	7 509	.6	399	—	54	—	90
10	Monumental or building stone	766	—	4 183	.3	438	.2	S
11	Natural sands	966	—	64 111	4.9	2 776	1.4	56
12	Gravel and crushed stone	1 957	.2	266 702	20.4	7 391	3.8	28
13	Nonmetallic minerals n.e.c.	1 408	.1	43 016	3.3	3 153	1.6	106
14	Metallic ores and concentrates	984	—	2 150	.2	S	S	422
15	Coal	3 241	.3	111 118	8.5	21 262	10.9	52
17	Gasoline and aviation turbine fuel	21 424	1.8	82 472	6.3	S	S	32
18	Fuel oils	13 200	1.1	68 533	5.2	3 279	1.7	24
19	Coal and petroleum products, n.e.c.	9 015	.8	94 605	7.2	3 824	2.0	60
20	Basic chemicals	18 978	1.6	17 568	1.3	6 345	3.3	334
21	Pharmaceutical products	70 647	6.0	1 966	.2	828	.4	658
22	Fertilizers	976	—	3 646	.3	456	.2	139
23	Chemical products and preparations, n.e.c.	45 205	3.8	9 790	.7	4 951	2.5	411
24	Plastics and rubber	50 718	4.3	31 279	2.4	11 725	6.0	401
25	Logs and other wood in the rough	1 082	—	22 862	1.7	S	S	S
26	Wood products	13 545	1.1	29 227	2.2	5 141	2.6	288
27	Pulp, newsprint, paper, and paperboard	21 621	1.8	21 662	1.7	11 462	5.9	121
28	Paper or paperboard articles	20 358	1.7	11 927	.9	3 177	1.6	304
29	Printed products	95 381	8.1	18 067	1.4	5 381	2.8	361
30	Textiles, leather, and articles of textiles or leather	67 955	5.8	4 788	.4	3 010	1.5	797
31	Nonmetallic mineral products	19 698	1.7	114 276	8.7	10 139	5.2	760
32	Base metal in primary or semifinished forms and in finished basic shapes	54 020	4.6	40 772	3.1	18 656	9.6	297
33	Articles of base metal	36 599	3.1	15 208	1.2	5 867	3.0	399
34	Machinery	63 823	5.4	5 365	.4	2 315	1.2	314
35	Electronic and other electrical equipment and components and office equipment	156 283	13.2	5 316	.4	3 552	1.8	656
36	Motorized and other vehicles (including parts)	48 300	4.1	6 999	.5	2 596	1.3	189
37	Transportation equipment, n.e.c.	14 533	1.2	1 016	—	956	.5	820
38	Precision instruments and apparatus	39 348	3.3	578	—	440	.2	772
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12 310	1.0	1 983	.2	871	.4	446
40	Miscellaneous manufactured products	90 809	7.7	S	S	6 506	3.3	830
41	Waste and scrap	6 651	.6	28 621	2.2	7 715	4.0	154
43	Mixed freight	28 792	2.4	13 586	1.0	1 767	.9	151
--	Commodity unknown	6 033	.5	2 649	.2	1 182	.6	720

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

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

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	1 181 747	100.0	1 309 423	100.0	195 036	100.0	469
010	Live animals and live fish	202	—	165	—	79	—	S
021	Wheat	103	—	688	—	27	—	32
022	Corn, except sweet	167	—	1 351	.1	70	—	29
029	Other cereal grains	S	S	233	—	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	1 156	.1	3 383	.3	S	S	61
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	3 494	.3	2 901	.2	194	.1	S
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	S
034	Soya beans	134	—	539	—	50	—	S
035	Oil seeds and nuts, except olives and soya beans	25	—	26	—	2	—	71
036	Bulbs, live plants, and seeds for sowing, n.e.c.	457	—	281	—	S	S	675
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	1 181	.1	2 140	.2	360	.2	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	1 147	.1	1 495	.1	425	.2	398
042	Animal feed preparations	3 391	.3	10 731	.8	1 039	.5	86
051	Meat including poultry, except preparations	15 642	1.3	6 035	.5	1 641	.8	109
052	Fish, except live, and seafood, except preparations	4 788	.4	1 141	—	539	.3	114
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	125
061	Wheat flour, groats, and meal	1 095	—	3 193	.2	470	.2	122
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	735	—	966	—	S	S	292
063	Food preparations of cereals, flour, starch, or milk	5 793	.5	3 282	.3	1 415	.7	167
064	Bakery products	12 200	1.0	6 546	.5	2 008	1.0	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	15 905	1.3	14 249	1.1	2 774	1.4	46
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	15 297	1.3	14 067	1.1	4 206	2.2	88
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	2 460	.2	549	—	164	—	114
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	1 802	.2	1 744	.1	483	.2	108
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	1 116	—	1 762	.1	295	.2	218
076	Confectionery, cocoa, and cocoa preparations	11 205	.9	2 628	.2	1 248	.6	331
077	Edible preparations, n.e.c. and vinegar	8 200	.7	4 334	.3	2 024	1.0	442
078	Nonalcoholic beverages, n.e.c. and ice	10 520	.9	22 500	1.7	1 795	.9	45
081	Malt Beer	11 339	1.0	13 204	1.0	3 172	1.6	36
082	Wine and other fermented beverages	2 216	.2	810	—	194	.1	45
083	Spirituos beverages and ethyl alcohol	1 663	.1	396	—	S	S	S
090	Tobacco products	7 509	.6	399	—	54	—	90
100	Monumental or building stone, except dolomite	766	—	4 183	.3	438	.2	S
110	Natural sands, except metal-bearing	966	—	64 111	4.9	2 776	1.4	56
120	Gravel and crushed stone, except dolomite and slate	1 957	.2	266 702	20.4	7 391	3.8	28
131	Salt	341	—	8 914	.7	1 387	.7	96
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	436
133	Dolomite	166	—	28 022	2.1	904	.5	S
139	Other nonmetallic minerals	861	—	5 785	.4	777	.4	191
141	Iron ores and concentrates	S	S	S	S	S	S	129
149	Other metallic ores and concentrates	923	—	1 825	.1	S	S	452
151	Nonagglomerated bituminous coal	2 528	.2	103 359	7.9	20 608	10.6	53
159	Other coal	S	S	7 759	.6	654	.3	49
171	Gasoline	20 352	1.7	76 911	5.9	S	S	32
172	Aviation turbine fuel (types A and B)	S	S	S	S	42	—	31
180	Fuel oils	13 200	1.1	68 533	5.2	3 279	1.7	24
191	Lubricating oils and greases	1 622	.1	1 690	.1	S	S	142
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	1 567	.1	6 555	.5	380	.2	30
193	Gaseous hydrocarbons	1 421	.1	5 805	.4	307	.2	S
199	Other products of petroleum refining, and coal products	4 405	.4	80 555	6.2	2 529	1.3	24
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	515	—	S	S	460	.2	179
202	Inorganic chemicals, n.e.c.	6 922	.6	10 613	.8	3 837	2.0	208
203	Cyclic hydrocarbons	S	S	S	S	31	—	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	S	S	S	S	S	S	423
205	Organic chemicals, n.e.c.	8 661	.7	2 483	.2	1 423	.7	450
210	Pharmaceutical products	70 647	6.0	1 966	.2	828	.4	658
220	Fertilizers and fertilizer materials	976	—	3 646	.3	456	.2	139
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	5 726	.5	1 544	.1	609	.3	189
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	12 066	1.0	1 752	.1	1 054	.5	597
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	3 243	.3	2 321	.2	1 145	.6	378
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	17 845	1.5	896	—	531	.3	612
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	899	—	284	—	91	—	105
239	Other chemical products and preparations	5 425	.5	2 993	.2	1 522	.8	269
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	9 811	.8	6 244	.5	4 518	2.3	481
242	Manmade fibers and plastics basic shapes and articles	34 172	2.9	9 451	.7	4 676	2.4	456

See footnotes at end of table.

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	6 735	.6	15 584	1.2	2 531	1.3	206
250	Logs and other wood in the rough	1 082	—	22 862	1.7	S	S	S
261	Wood chips or particles	231	—	12 209	.9	S	S	67
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	5 714	.5	9 200	.7	2 695	1.4	246
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	1 852	.2	2 417	.2	829	.4	S
264	Builders' joinery and carpentry of wood, except shingles and shakes	3 641	.3	949	—	125	—	108
269	Other wood products	2 107	.2	4 451	.3	714	.4	566
271	Pulp of fibrous cellulosic materials	494	—	1 358	.1	S	S	S
272	Newsprint in large rolls or sheets	308	—	602	—	208	.1	200
273	Uncoated paper and paperboard in large rolls or sheets	10 772	.9	11 329	.9	4 901	2.5	73
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	10 047	.9	8 373	.6	5 267	2.7	268
280	Paper or paperboard articles	20 358	1.7	11 927	.9	3 177	1.6	304
291	Printed books, brochures, leaflets, and similar printed products	S	S	5 151	.4	2 666	1.4	802
292	Newspapers, journals, and periodicals	14 694	1.2	8 536	.7	511	.3	99
293	Advertising material, commercial or trade catalogues, and similar printed products	7 154	.6	2 401	.2	930	.5	753
299	Other printed products	9 219	.8	1 979	.2	S	S	516
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	7 665	.6	901	—	481	.2	426
302	Textile clothing and accessories, and headgear, except safety	35 189	3.0	1 500	.1	966	.5	794
303	Textiles and textile articles, n.e.c.	17 019	1.4	2 045	.2	1 251	.6	857
304	Footwear	3 811	.3	161	—	166	—	1 239
305	Leather and articles, luggage of related materials, and dressed furskins and articles	4 272	.4	182	—	145	—	994
311	Hydraulic cements	721	—	11 491	.9	795	.4	57
312	Ceramic products	4 497	.4	2 925	.2	1 283	.7	901
313	Glass and glass products	7 867	.7	7 036	.5	3 308	1.7	1 179
319	Other nonmetallic mineral products	6 613	.6	92 823	7.1	4 752	2.4	71
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	7 094	.6	4 598	.4	1 408	.7	219
322	Flat-rolled products of iron or steel	13 125	1.1	19 842	1.5	8 767	4.5	210
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	8 367	.7	8 359	.6	3 471	1.8	291
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	25 435	2.2	7 973	.6	5 009	2.6	367
331	Pipes, tubes, and fittings	7 984	.7	5 205	.4	1 832	.9	169
332	Structures and parts, except prefabricated buildings	6 002	.5	3 120	.2	791	.4	184
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	13 409	1.1	2 018	.2	1 103	.6	349
339	Other articles of metal	9 204	.8	4 865	.4	2 140	1.1	862
341	Internal-combustion piston engines	8 928	.8	1 231	—	366	.2	143
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	9 940	.8	468	—	189	.1	453
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	6 784	.6	504	—	341	.2	403
344	Air-conditioning, refrigerating, or freezing equipment	2 951	.2	386	—	122	—	228
345	Materials-handling, excavating, boring, and related machinery and equipment	5 207	.4	923	—	293	.2	200
349	Other machinery	30 014	2.5	1 853	.1	1 003	.5	338
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	4 839	.4	264	—	199	.1	515
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	1 941	.2	181	—	94	—	610
353	Line telephone or telegraph apparatus	11 523	1.0	107	—	82	—	785
354	Electronic entertainment products, except parts	11 021	.9	626	—	463	.2	1 140
355	Computer and office equipment	43 090	3.6	772	—	519	.3	694
356	Prepared unrecorded or prerecorded media	8 066	.7	270	—	155	—	1 346
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	6 649	.6	49	—	45	—	764
358	Electronic components and parts	32 230	2.7	578	—	443	.2	689
359	Other electronic and electrical equipment	36 924	3.1	2 469	.2	1 555	.8	380
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	5 152	.4	659	—	268	.1	77
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	3 955	.3	669	—	S	S	153
363	Other vehicles	5 699	.5	900	—	374	.2	464
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	33 493	2.8	4 771	.4	1 799	.9	179
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	2 257	.2	913	—	890	.5	792
372	Aircraft and spacecraft	8 811	.7	38	—	34	—	840
373	Ships, boats, and floating structures	3 465	.3	64	—	32	—	484
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	5 035	.4	44	—	41	—	843
382	Photographic and photocopying machines	5 061	.4	103	—	92	—	776
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	1 130	.1	55	—	44	—	944
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	16 803	1.4	250	—	149	—	679
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	11 318	1.0	126	—	114	—	790

See footnotes at end of table.

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12 310	1.0	1 983	.2	871	.4	446
401	Arms and ammunition	1 449	.1	62	—	35	—	969
402	Toys, games, and sporting equipment	8 367	.7	687	—	597	.3	796
409	Miscellaneous manufactured products	80 993	6.9	S	S	5 874	3.0	833
411	Metallic waste and scrap	5 883	.5	20 403	1.6	5 966	3.1	123
412	Nonmetallic waste and scrap, except from food processing	768	—	8 218	.6	1 749	.9	217
439	Mixed freight	28 792	2.4	13 586	1.0	1 767	.9	151
—	Commodity unknown	6 033	.5	2 649	.2	1 182	.6	720

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

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

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

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

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	1 181 747	100.0	1 309 423	100.0	195 036	100.0	469
Single modes	914 796	77.4	1 256 093	95.9	175 724	90.1	160
Truck ¹	839 166	71.0	1 115 442	85.2	128 348	65.8	129
For-hire truck	493 860	41.8	475 150	36.3	91 497	46.9	482
Private truck	336 690	28.5	609 362	46.5	34 127	17.5	47
Rail	18 314	1.5	67 780	5.2	34 886	17.9	537
Water	5 740	.5	30 752	2.3	4 618	2.4	S
Shallow draft	2 256	.2	26 551	2.0	S	S	S
Great Lakes	S	S	S	S	S	S	10
Deep draft	3 460	.3	4 139	.3	899	.5	S
Air (includes truck and air)	43 489	3.7	827	—	1 155	.6	1 347
Pipeline ²	8 087	.7	41 291	3.2	S	S	S
Multiple modes	225 966	19.1	16 579	1.3	11 429	5.9	789
Parcel, U.S. Postal Service or courier	221 545	18.7	5 244	.4	3 868	2.0	788
Truck and rail	3 319	.3	S	S	2 760	1.4	1 642
Truck and water	661	—	S	S	S	S	1 803
Rail and water	65	—	2 625	.2	918	.5	374
Other multiple modes	375	—	S	S	S	S	272
Other and unknown modes	40 985	3.5	36 751	2.8	7 883	4.0	132
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	202	100.0	165	100.0	79	100.0	S
Single modes	197	97.3	160	97.1	76	96.2	S
Truck ¹	189	93.5	154	93.6	68	85.8	S
For-hire truck	75	36.9	85	51.3	58	73.6	497
Private truck	S	S	S	S	10	12.3	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 610
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	668
SCTG 02, CEREAL GRAINS							
Total	723	100.0	2 273	100.0	274	100.0	S
Single modes	625	86.4	2 135	93.9	199	72.8	S
Truck ¹	504	69.7	1 901	83.6	133	48.5	S
For-hire truck	331	45.7	803	35.3	97	35.5	148
Private truck	172	23.8	1 088	47.9	35	12.9	S
Rail	121	16.7	234	10.3	66	24.2	473
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	494
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	110
Truck and rail	S	S	S	S	S	S	1 646
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	38

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	9 958	100.0	14 124	100.0	1 717	100.0	131
Single modes	9 473	95.1	13 527	95.8	1 680	97.9	45
Truck ¹	9 454	94.9	13 526	95.8	1 678	97.8	44
For-hire truck	2 905	29.2	6 189	43.8	1 265	73.7	178
Private truck	6 520	65.5	7 309	51.7	407	23.7	31
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 320
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	139	1.4	14	.1	10	.6	942
Parcel, U.S. Postal Service or courier	138	1.4	13	—	10	.6	946
Truck and rail	S	S	S	S	S	S	20
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	4 538	100.0	12 226	100.0	1 464	100.0	170
Single modes	3 929	86.6	11 517	94.2	1 181	80.7	89
Truck ¹	3 869	85.3	11 352	92.8	1 080	73.8	70
For-hire truck	976	21.5	1 928	15.8	531	36.3	229
Private truck	2 573	56.7	9 332	76.3	532	36.4	41
Rail	38	.8	108	.9	98	6.7	1 218
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	2 601
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	335	7.4	167	1.4	272	18.6	744
Parcel, U.S. Postal Service or courier	S	S	5	—	4	.3	738
Truck and rail	182	4.0	128	1.0	258	17.6	1 594
Truck and water	86	1.9	34	.3	10	.7	280
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	20 641	100.0	7 222	100.0	2 227	100.0	110
Single modes	20 016	97.0	7 042	97.5	2 169	97.4	82
Truck ¹	19 944	96.6	7 031	97.4	2 158	96.9	78
For-hire truck	5 634	27.3	1 903	26.4	1 533	68.8	489
Private truck	13 823	67.0	4 987	69.1	608	27.3	44
Rail	S	S	S	S	S	S	3 307
Water	S	S	S	S	S	S	37
Shallow draft	S	S	S	S	S	S	1
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	54
Air (includes truck and air)	S	S	S	S	8	.4	1 310
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	71	.3	13	.2	28	1.3	1 137
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 135
Truck and rail	S	S	S	S	S	S	3 286
Truck and water	S	S	S	S	S	S	282
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	554	2.7	168	2.3	29	1.3	S

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	19 823	100.0	13 987	100.0	4 399	100.0	69
Single modes	19 343	97.6	13 618	97.4	4 167	94.7	45
Truck ¹	19 048	96.1	13 276	94.9	3 798	86.3	44
For-hire truck	6 621	33.4	5 073	36.3	2 743	62.3	375
Private truck	11 927	60.2	7 829	56.0	864	19.6	34
Rail	293	1.5	342	2.4	369	8.4	1 487
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	717
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	318	1.6	122	.9	216	4.9	S
Parcel, U.S. Postal Service or courier	S	S	20	.1	8	.2	S
Truck and rail	170	.9	100	.7	185	4.2	1 913
Truck and water	S	S	S	S	S	S	7 892
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	156
Other and unknown modes	161	.8	247	1.8	17	.4	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	66 507	100.0	61 834	100.0	12 988	100.0	104
Single modes	64 419	96.9	60 503	97.8	12 345	95.1	71
Truck ¹	64 114	96.4	60 259	97.5	12 019	92.5	70
For-hire truck	27 372	41.2	18 009	29.1	8 052	62.0	410
Private truck	35 631	53.6	40 892	66.1	3 715	28.6	42
Rail	273	.4	238	.4	310	2.4	1 385
Water	S	S	S	S	S	S	297
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	297
Air (includes truck and air)	30	—	S	S	S	S	1 877
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	211	.3	369	2.8	728
Parcel, U.S. Postal Service or courier	S	S	67	.1	S	S	722
Truck and rail	128	.2	143	.2	315	2.4	2 289
Truck and water	S	S	S	S	S	S	8 191
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 219	1.8	1 121	1.8	273	2.1	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	15 219	100.0	14 409	100.0	3 574	100.0	38
Single modes	14 956	98.3	14 113	97.9	3 237	90.6	37
Truck ¹	14 743	96.9	13 875	96.3	3 093	86.5	37
For-hire truck	4 416	29.0	5 332	37.0	2 460	68.8	217
Private truck	10 320	67.8	8 539	59.3	633	17.7	29
Rail	213	1.4	238	1.7	142	4.0	636
Water	S	S	S	S	S	S	7 798
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	7 798
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	493
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	99
Truck and rail	S	S	S	S	S	S	1 231
Truck and water	S	S	S	S	S	S	271
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 778
Other and unknown modes	124	.8	97	.7	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	7 509	100.0	399	100.0	54	100.0	90
Single modes	7 082	94.3	385	96.6	48	89.5	47
Truck ¹	7 081	94.3	385	96.6	48	88.9	45
For-hire truck	357	4.8	29	7.4	27	49.5	901
Private truck	6 724	89.5	356	89.2	21	39.4	30
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	4 712
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	298	4.0	6	1.5	5	9.5	898
Parcel, U.S. Postal Service or courier	298	4.0	6	1.5	5	9.5	898
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	129	1.7	8	1.9	S	S	S
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	766	100.0	4 183	100.0	438	100.0	S
Single modes	738	96.4	4 104	98.1	332	75.8	S
Truck ¹	738	96.4	4 104	98.1	332	75.8	S
For-hire truck	S	S	2 755	65.9	220	50.3	S
Private truck	294	38.3	1 331	31.8	S	S	51
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 012
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	2 125
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	53
Truck and rail	S	S	S	S	S	S	3 168
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	52	1.3	S	S	S
SCTG 11, NATURAL SANDS							
Total	966	100.0	64 111	100.0	2 776	100.0	56
Single modes	942	97.5	63 198	98.6	2 534	91.3	53
Truck ¹	917	94.9	61 014	95.2	2 284	82.3	52
For-hire truck	443	45.9	27 157	42.4	1 537	55.4	87
Private truck	458	47.4	31 240	48.7	659	23.7	25
Rail	16	1.7	811	1.3	181	6.5	223
Water	S	S	S	S	S	S	36
Shallow draft	S	S	S	S	S	S	36
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 076
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	276
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	276
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	378

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	1 957	100.0	266 702	100.0	7 391	100.0	28
Single modes	1 906	97.4	260 852	97.8	7 269	98.3	28
Truck ¹	1 842	94.1	257 639	96.6	6 641	89.8	27
For-hire truck	783	40.0	99 558	37.3	3 766	51.0	39
Private truck	992	50.7	150 253	56.3	2 714	36.7	20
Rail	58	3.0	2 503	.9	580	7.8	196
Water	S	S	S	S	S	S	62
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	62
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	129
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	434
Truck and rail	S	S	S	S	S	S	17
Truck and water	S	S	S	S	S	S	78
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	18
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	1 408	100.0	43 016	100.0	3 153	100.0	106
Single modes	1 299	92.3	42 384	98.5	2 929	92.9	91
Truck ¹	1 265	89.8	38 901	90.4	2 439	77.4	89
For-hire truck	670	47.6	6 819	15.9	1 083	34.4	252
Private truck	496	35.2	17 603	40.9	341	10.8	36
Rail	17	1.2	449	1.0	S	S	635
Water	S	S	S	S	S	S	39
Shallow draft	S	S	S	S	S	S	70
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	3
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	634
Parcel, U.S. Postal Service or courier	7	.5	2	—	1	—	571
Truck and rail	S	S	S	S	S	S	1 898
Truck and water	S	S	S	S	S	S	2 330
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	16
Other and unknown modes	73	5.2	S	S	S	S	S
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	984	100.0	2 150	100.0	S	S	422
Single modes	866	88.0	1 865	86.8	379	37.4	306
Truck ¹	795	80.8	1 658	77.1	276	27.2	300
For-hire truck	700	71.1	1 360	63.3	228	22.5	336
Private truck	90	9.1	S	S	S	S	250
Rail	70	7.1	207	9.6	103	10.1	500
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	557
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	437
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	437
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	1 273

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	3 241	100.0	111 118	100.0	21 262	100.0	52
Single modes	2 703	83.4	95 221	85.7	19 925	93.7	48
Truck ¹	1 468	45.3	47 454	42.7	1 875	8.8	45
For-hire truck	908	28.0	40 397	36.4	1 625	7.6	55
Private truck	S	S	S	S	251	1.2	26
Rail	916	28.3	35 053	31.5	14 846	69.8	398
Water	318	9.8	12 715	11.4	S	S	194
Shallow draft	318	9.8	12 715	11.4	S	S	194
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	95	2.9	3 315	3.0	1 218	5.7	416
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	264
Truck and rail	S	S	S	S	S	S	198
Truck and water	S	S	S	S	S	S	902
Rail and water	65	2.0	2 625	2.4	918	4.3	374
Other multiple modes	S	S	S	S	S	S	127
Other and unknown modes	443	13.7	12 583	11.3	S	S	40
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	21 424	100.0	82 472	100.0	S	S	32
Single modes	21 179	98.9	81 645	99.0	S	S	36
Truck ¹	15 720	73.4	54 787	66.4	2 091	28.7	36
For-hire truck	4 329	20.2	15 498	18.8	870	12.0	62
Private truck	11 302	52.8	38 977	47.3	1 208	16.6	28
Rail	S	S	S	S	S	S	225
Water	S	S	S	S	S	S	19
Shallow draft	S	S	S	S	S	S	21
Great Lakes	S	S	S	S	S	S	10
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	4 785	22.3	23 849	28.9	S	S	S
Multiple modes	S	S	S	S	S	S	18
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	18
Other and unknown modes	144	.7	523	.6	12	.2	S
SCTG 18, FUEL OILS							
Total	13 200	100.0	68 533	100.0	3 279	100.0	24
Single modes	12 753	96.6	66 604	97.2	2 900	88.4	24
Truck ¹	9 439	71.5	47 741	69.7	2 131	65.0	24
For-hire truck	2 472	18.7	13 493	19.7	654	19.9	44
Private truck	6 953	52.7	34 178	49.9	1 475	45.0	22
Rail	S	S	S	S	S	S	164
Water	607	4.6	3 784	5.5	S	S	104
Shallow draft	S	S	S	S	S	S	14
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	198
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	2 694	20.4	14 964	21.8	S	S	S
Multiple modes	S	S	S	S	S	S	117
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	437
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	S	S	S	S	S	S	10

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	9 015	100.0	94 605	100.0	3 824	100.0	60
Single modes	8 926	99.0	94 003	99.4	3 791	99.1	54
Truck ¹	6 975	77.4	82 608	87.3	2 466	64.5	35
For-hire truck	3 155	35.0	35 295	37.3	1 389	36.3	84
Private truck	3 740	41.5	46 313	49.0	1 034	27.0	21
Rail	675	7.5	3 380	3.6	1 172	30.6	494
Water	S	S	S	S	S	S	21
Shallow draft	S	S	S	S	S	S	23
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	15
Air (includes truck and air)	S	S	S	S	S	S	1 718
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	27	.3	S	S	S	S	406
Parcel, U.S. Postal Service or courier	24	.3	4	—	S	S	419
Truck and rail	S	S	S	S	S	S	962
Truck and water	S	S	S	S	S	S	66
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	62	.7	S	S	29	.8	S
SCTG 20, BASIC CHEMICALS							
Total	18 978	100.0	17 568	100.0	6 345	100.0	334
Single modes	16 618	87.6	17 238	98.1	6 017	94.8	135
Truck ¹	15 119	79.7	13 036	74.2	2 899	45.7	129
For-hire truck	10 767	56.7	5 802	33.0	2 208	34.8	403
Private truck	4 307	22.7	7 209	41.0	686	10.8	38
Rail	943	5.0	2 645	15.1	1 510	23.8	378
Water	S	S	S	S	S	S	161
Shallow draft	S	S	S	S	S	S	165
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	75
Air (includes truck and air)	122	.6	1	—	1	—	1 658
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	1 852	9.8	122	.7	S	S	638
Parcel, U.S. Postal Service or courier	1 744	9.2	S	S	31	.5	637
Truck and rail	93	.5	S	S	S	S	1 881
Truck and water	S	S	S	S	S	S	3 020
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	34
Other and unknown modes	508	2.7	208	1.2	S	S	240
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	70 647	100.0	1 966	100.0	828	100.0	658
Single modes	42 868	60.7	1 695	86.2	627	75.8	317
Truck ¹	40 001	56.6	1 644	83.6	573	69.2	163
For-hire truck	29 452	41.7	918	46.7	535	64.6	218
Private truck	10 299	14.6	S	S	37	4.5	73
Rail	24	—	S	S	S	S	435
Water	S	S	S	S	S	S	64
Shallow draft	S	S	S	S	S	S	64
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	2 642	3.7	25	1.3	36	4.4	1 410
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	27 237	38.6	246	12.5	181	21.9	769
Parcel, U.S. Postal Service or courier	27 222	38.5	245	12.5	178	21.5	769
Truck and rail	S	S	S	S	S	S	3 334
Truck and water	S	S	S	S	S	S	7 775
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	542	.8	26	1.3	19	2.3	272

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	976	100.0	3 646	100.0	456	100.0	139
Single modes	941	96.4	3 593	98.6	450	98.8	117
Truck ¹	938	96.0	3 555	97.5	416	91.3	117
For-hire truck	461	47.2	S	S	S	S	225
Private truck	477	48.8	1 878	51.5	109	23.9	64
Rail	S	S	S	S	S	S	899
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	512
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	797
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	798
Truck and rail	S	S	S	S	S	S	20
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	20	2.0	S	S	S	S	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	45 205	100.0	9 790	100.0	4 951	100.0	411
Single modes	38 389	84.9	9 319	95.2	4 744	95.8	318
Truck ¹	37 249	82.4	8 837	90.3	4 065	82.1	264
For-hire truck	28 459	63.0	6 109	62.4	3 598	72.7	640
Private truck	8 728	19.3	2 625	26.8	437	8.8	65
Rail	667	1.5	457	4.7	637	12.9	1 605
Water	S	S	S	S	S	S	145
Shallow draft	S	S	S	S	S	S	145
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	458	1.0	20	.2	S	S	1 736
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	5 721	12.7	228	2.3	164	3.3	590
Parcel, U.S. Postal Service or courier	5 648	12.5	178	1.8	97	2.0	589
Truck and rail	70	.2	S	S	67	1.3	2 068
Truck and water	S	S	S	S	S	S	105
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 095	2.4	243	2.5	43	.9	S
SCTG 24, PLASTICS AND RUBBER							
Total	50 718	100.0	31 279	100.0	11 725	100.0	401
Single modes	42 967	84.7	30 118	96.3	11 013	93.9	240
Truck ¹	41 191	81.2	28 421	90.9	9 602	81.9	227
For-hire truck	26 799	52.8	9 555	30.5	6 729	57.4	639
Private truck	14 318	28.2	18 842	60.2	2 870	24.5	68
Rail	1 324	2.6	S	S	S	S	1 425
Water	S	S	S	S	S	S	5 795
Shallow draft	S	S	S	S	S	S	216
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	8 095
Air (includes truck and air)	398	.8	19	—	24	.2	1 135
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	5 665	11.2	417	1.3	414	3.5	656
Parcel, U.S. Postal Service or courier	5 387	10.6	315	1.0	188	1.6	655
Truck and rail	269	.5	99	.3	217	1.9	2 150
Truck and water	8	—	3	—	S	S	4 667
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	614
Other and unknown modes	2 086	4.1	744	2.4	298	2.5	75

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	1 082	100.0	22 862	100.0	S	S	S
Single modes	1 069	98.8	22 776	99.6	S	S	S
Truck ¹	1 049	97.0	22 709	99.3	S	S	S
For-hire truck	S	S	S	S	S	S	S
Private truck	412	38.1	10 846	47.4	S	S	137
Rail	20	1.8	67	.3	36	1.3	817
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	209
Truck and rail	S	S	S	S	S	S	2 818
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	11	1.0	S	S	S	S	138
SCTG 26, WOOD PRODUCTS							
Total	13 545	100.0	29 227	100.0	5 141	100.0	288
Single modes	12 747	94.1	28 103	96.2	4 198	81.7	119
Truck ¹	12 504	92.3	27 673	94.7	3 660	71.2	116
For-hire truck	4 428	32.7	12 678	43.4	2 372	46.1	319
Private truck	7 964	58.8	14 474	49.5	1 229	23.9	61
Rail	226	1.7	429	1.5	536	10.4	1 291
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	1	—	2	—	1 838
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	434	3.2	86	.3	165	3.2	726
Parcel, U.S. Postal Service or courier	374	2.8	29	.1	22	.4	725
Truck and rail	53	.4	53	.2	142	2.8	1 188
Truck and water	S	S	S	S	S	S	168
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	364	2.7	1 038	3.6	S	S	192
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	21 621	100.0	21 662	100.0	11 462	100.0	121
Single modes	20 746	96.0	21 051	97.2	10 955	95.6	137
Truck ¹	18 733	86.6	18 294	84.5	7 725	67.4	130
For-hire truck	13 739	63.5	14 146	65.3	7 256	63.3	343
Private truck	4 994	23.1	4 148	19.1	468	4.1	41
Rail	1 994	9.2	2 750	12.7	3 229	28.2	768
Water	S	S	S	S	S	S	11
Shallow draft	S	S	S	S	S	S	8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	15
Air (includes truck and air)	16	—	S	S	S	S	1 012
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	559	2.6	209	1.0	264	2.3	S
Parcel, U.S. Postal Service or courier	447	2.1	85	.4	16	.1	S
Truck and rail	113	.5	125	.6	248	2.2	2 098
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	316	1.5	401	1.9	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	20 358	100.0	11 927	100.0	3 177	100.0	304
Single modes	18 675	91.7	11 614	97.4	2 993	94.2	129
Truck ¹	18 459	90.7	11 530	96.7	2 781	87.5	115
For-hire truck	9 987	49.1	6 176	51.8	2 278	71.7	394
Private truck	8 444	41.5	5 339	44.8	500	15.8	42
Rail	S	S	S	S	S	S	861
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 574
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 335	6.6	160	1.3	140	4.4	639
Parcel, U.S. Postal Service or courier	1 268	6.2	126	1.1	62	2.0	639
Truck and rail	59	.3	28	.2	76	2.4	2 684
Truck and water	S	S	S	S	S	S	328
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	348	1.7	153	1.3	44	1.4	S
SCTG 29, PRINTED PRODUCTS							
Total	95 381	100.0	18 067	100.0	5 381	100.0	361
Single modes	72 483	76.0	16 674	92.3	4 593	85.4	87
Truck ¹	68 219	71.5	16 546	91.6	4 491	83.5	72
For-hire truck	S	S	7 905	43.8	3 877	72.0	353
Private truck	19 031	20.0	8 536	47.2	591	11.0	31
Rail	62	—	S	S	8	.1	731
Water	S	S	S	S	S	S	95
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	95
Air (includes truck and air)	S	S	95	.5	94	1.8	1 137
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	20 255	21.2	874	4.8	643	12.0	747
Parcel, U.S. Postal Service or courier	20 250	21.2	872	4.8	636	11.8	747
Truck and rail	S	S	S	S	S	S	3 341
Truck and water	S	S	S	S	S	S	5 794
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 643	2.8	519	2.9	144	2.7	134
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	67 955	100.0	4 788	100.0	3 010	100.0	797
Single modes	45 020	66.2	3 836	80.1	2 215	73.6	769
Truck ¹	44 292	65.2	3 797	79.3	2 167	72.0	739
For-hire truck	29 869	44.0	2 323	48.5	1 692	56.2	882
Private truck	14 071	20.7	1 424	29.7	451	15.0	450
Rail	S	S	S	S	S	S	2 208
Water	S	S	S	S	S	S	100
Shallow draft	S	S	S	S	S	S	35
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	231
Air (includes truck and air)	654	1.0	16	.3	27	.9	1 408
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	19 854	29.2	677	14.1	661	22.0	818
Parcel, U.S. Postal Service or courier	19 720	29.0	647	13.5	582	19.3	818
Truck and rail	115	.2	7	.1	18	.6	2 593
Truck and water	20	—	23	.5	S	S	3 204
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	3 081	4.5	275	5.7	134	4.5	206

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	19 698	100.0	114 276	100.0	10 139	100.0	760
Single modes	17 390	88.3	111 813	97.8	8 666	85.5	170
Truck ¹	17 106	86.8	110 749	96.9	7 917	78.1	164
For-hire truck	10 268	52.1	55 905	48.9	5 573	55.0	416
Private truck	6 192	31.4	54 414	47.6	2 102	20.7	39
Rail	95	.5	S	S	583	5.8	953
Water	S	S	S	S	S	S	115
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	115
Air (includes truck and air)	S	S	S	S	S	S	924
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 256	6.4	93	—	93	.9	1 425
Parcel, U.S. Postal Service or courier	1 226	6.2	59	—	66	.6	1 424
Truck and rail	S	S	S	S	S	S	1 513
Truck and water	S	S	S	S	S	S	2 286
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 051	5.3	2 370	2.1	1 380	13.6	382
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	54 020	100.0	40 772	100.0	18 656	100.0	297
Single modes	50 607	93.7	36 093	88.5	17 069	91.5	206
Truck ¹	47 668	88.2	29 191	71.6	11 264	60.4	188
For-hire truck	35 228	65.2	19 524	47.9	9 509	51.0	505
Private truck	12 243	22.7	9 058	22.2	1 521	8.2	56
Rail	2 624	4.9	6 811	16.7	S	S	732
Water	S	S	S	S	S	S	2 046
Shallow draft	S	S	S	S	S	S	100
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	3 586
Air (includes truck and air)	311	.6	90	.2	68	.4	1 414
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	2 143	4.0	373	.9	541	2.9	603
Parcel, U.S. Postal Service or courier	1 877	3.5	142	.3	S	S	599
Truck and rail	126	.2	28	—	66	.4	2 178
Truck and water	S	S	S	S	S	S	1 775
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 270	2.4	S	S	1 045	5.6	164
SCTG 33, ARTICLES OF BASE METAL							
Total	36 599	100.0	15 208	100.0	5 867	100.0	399
Single modes	27 645	75.5	13 081	86.0	5 010	85.4	208
Truck ¹	26 776	73.2	12 381	81.4	4 405	75.1	193
For-hire truck	15 305	41.8	7 844	51.6	3 600	61.4	651
Private truck	11 325	30.9	4 451	29.3	781	13.3	74
Rail	S	S	S	S	S	S	1 410
Water	S	S	S	S	S	S	14
Shallow draft	S	S	S	S	S	S	14
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	315	.9	38	.3	58	1.0	1 329
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	7 201	19.7	337	2.2	366	6.2	650
Parcel, U.S. Postal Service or courier	7 061	19.3	254	1.7	184	3.1	649
Truck and rail	S	S	S	S	S	S	3 091
Truck and water	S	S	S	S	S	S	3 453
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	7
Other and unknown modes	1 752	4.8	1 790	11.8	490	8.4	54

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	63 823	100.0	5 365	100.0	2 315	100.0	314
Single modes	50 359	78.9	4 899	91.3	2 060	89.0	179
Truck ¹	46 743	73.2	4 786	89.2	1 952	84.3	132
For-hire truck	33 397	52.3	3 229	60.2	1 693	73.1	541
Private truck	12 945	20.3	1 521	28.3	247	10.7	41
Rail	S	S	S	S	S	S	1 074
Water	S	S	S	S	S	S	69
Shallow draft	S	S	S	S	S	S	56
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	287
Air (includes truck and air)	3 057	4.8	44	.8	61	2.6	1 346
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	11 099	17.4	275	5.1	196	8.5	472
Parcel, U.S. Postal Service or courier	10 590	16.6	197	3.7	113	4.9	472
Truck and rail	477	.7	74	1.4	62	2.7	718
Truck and water	S	S	S	S	S	S	5 465
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	86
Other and unknown modes	2 365	3.7	192	3.6	59	2.5	183
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	156 283	100.0	5 316	100.0	3 552	100.0	656
Single modes	98 405	63.0	4 531	85.2	2 936	82.6	276
Truck ¹	75 620	48.4	4 364	82.1	2 716	76.4	169
For-hire truck	54 516	34.9	3 287	61.8	2 397	67.5	691
Private truck	20 871	13.4	1 046	19.7	306	8.6	38
Rail	248	.2	18	.3	S	S	S
Water	S	S	S	S	S	S	175
Shallow draft	S	S	S	S	S	S	175
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	22 537	14.4	148	2.8	194	5.5	1 340
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	51 230	32.8	531	10.0	475	13.4	942
Parcel, U.S. Postal Service or courier	50 804	32.5	483	9.1	367	10.3	942
Truck and rail	S	S	48	.9	S	S	1 768
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	598
Other and unknown modes	6 648	4.3	254	4.8	142	4.0	S
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	48 300	100.0	6 999	100.0	2 596	100.0	189
Single modes	40 443	83.7	6 038	86.3	2 244	86.4	101
Truck ¹	35 308	73.1	5 300	75.7	1 773	68.3	49
For-hire truck	21 257	44.0	2 978	42.5	1 254	48.3	390
Private truck	11 767	24.4	1 946	27.8	327	12.6	23
Rail	4 376	9.1	705	10.1	428	16.5	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	759	1.6	32	.5	S	S	1 406
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3 387	7.0	203	2.9	152	5.8	563
Parcel, U.S. Postal Service or courier	3 279	6.8	156	2.2	89	3.4	563
Truck and rail	108	.2	S	S	S	S	1 444
Truck and water	S	S	S	S	S	S	7 756
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	4 471	9.3	759	10.8	201	7.7	S

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	14 533	100.0	1 016	100.0	956	100.0	820
Single modes	10 674	73.4	976	96.1	901	94.2	652
Truck ¹	5 934	40.8	637	62.7	S	S	480
For-hire truck	4 282	29.5	527	51.9	S	S	850
Private truck	1 651	11.4	110	10.8	S	S	169
Rail	612	4.2	303	29.8	334	34.9	1 141
Water	2 888	19.9	32	3.2	S	S	S
Shallow draft	S	S	S	S	S	S	6
Great Lakes	—	—	—	—	—	—	—
Deep draft	2 872	19.8	31	3.1	S	S	672
Air (includes truck and air)	1 241	8.5	4	.4	6	.6	1 133
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3 226	22.2	S	S	S	S	985
Parcel, U.S. Postal Service or courier	3 163	21.8	14	1.4	14	1.4	982
Truck and rail	S	S	S	S	S	S	2 302
Truck and water	S	S	S	S	S	S	1 090
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	696
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	39 348	100.0	578	100.0	440	100.0	772
Single modes	17 142	43.6	382	66.1	279	63.4	739
Truck ¹	13 750	34.9	364	63.0	254	57.7	368
For-hire truck	10 221	26.0	279	48.3	241	54.8	713
Private truck	3 528	9.0	85	14.7	13	2.9	95
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	7 342
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	7 342
Air (includes truck and air)	3 388	8.6	18	3.1	24	5.4	1 402
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	21 198	53.9	168	29.1	145	33.0	790
Parcel, U.S. Postal Service or courier	21 194	53.9	168	29.1	145	32.9	790
Truck and rail	S	S	S	S	S	S	2 244
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 009	2.6	28	4.8	16	3.7	308
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	12 310	100.0	1 983	100.0	871	100.0	446
Single modes	11 269	91.5	1 863	93.9	769	88.3	350
Truck ¹	11 192	90.9	1 859	93.7	766	88.0	343
For-hire truck	5 506	44.7	885	44.6	616	70.7	752
Private truck	5 399	43.9	946	47.7	135	15.5	111
Rail	S	S	S	S	S	S	1 841
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	2	.3	1 304
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	707	5.7	67	3.4	56	6.5	598
Parcel, U.S. Postal Service or courier	689	5.6	54	2.7	43	4.9	598
Truck and rail	S	S	S	S	S	S	3 115
Truck and water	S	S	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	334	2.7	53	2.7	S	S	257

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	90 809	100.0	S	S	6 506	100.0	830
Single modes	49 520	54.5	S	S	5 576	85.7	419
Truck ¹	46 598	51.3	S	S	5 309	81.6	368
For-hire truck	28 795	31.7	5 281	14.4	3 383	52.0	755
Private truck	17 720	19.5	S	S	S	S	148
Rail	S	S	S	S	236	3.6	S
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	2 616	2.9	30	—	32	.5	1 339
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	36 042	39.7	872	2.4	779	12.0	894
Parcel, U.S. Postal Service or courier	35 664	39.3	852	2.3	735	11.3	894
Truck and rail	S	S	20	—	42	.6	1 981
Truck and water	S	S	S	S	S	S	7 943
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 718
Other and unknown modes	5 247	5.8	316	.9	151	2.3	283
SCTG 41, WASTE AND SCRAP							
Total	6 651	100.0	28 621	100.0	7 715	100.0	154
Single modes	6 248	93.9	26 626	93.0	5 045	65.4	149
Truck ¹	5 618	84.5	21 728	75.9	3 647	47.3	143
For-hire truck	3 756	56.5	12 462	43.5	2 244	29.1	182
Private truck	1 858	27.9	9 226	32.2	1 400	18.1	103
Rail	561	8.4	4 027	14.1	1 207	15.6	310
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	868
Air (includes truck and air)	S	S	S	S	S	S	957
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	342
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	297
Truck and rail	S	S	S	S	S	S	98
Truck and water	S	S	S	S	S	S	1 648
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	199	3.0	383	1.3	S	S	S
SCTG 43, MIXED FREIGHT							
Total	28 792	100.0	13 586	100.0	1 767	100.0	151
Single modes	26 737	92.9	13 074	96.2	1 523	86.2	66
Truck ¹	26 690	92.7	13 064	96.2	1 497	84.7	63
For-hire truck	3 222	11.2	1 495	11.0	602	34.0	385
Private truck	23 317	81.0	11 521	84.8	883	50.0	48
Rail	S	S	S	S	S	S	2 737
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	11	—	S	S	S	S	1 731
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 408	4.9	176	1.3	75	4.3	314
Parcel, U.S. Postal Service or courier	1 291	4.5	168	1.2	51	2.9	314
Truck and rail	S	S	S	S	S	S	3 244
Truck and water	S	S	S	S	S	S	118
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	647	2.2	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	6 033	100.0	2 649	100.0	1 182	100.0	720
Single modes	4 484	74.3	2 269	85.6	633	53.6	202
Truck ¹	4 305	71.3	2 022	76.3	543	45.9	154
For-hire truck	2 151	35.7	617	23.3	436	36.9	656
Private truck	2 139	35.4	1 378	52.0	97	8.2	S
Rail	S	S	S	S	S	S	914
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	99	1.6	2	—	S	S	1 243
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 134	18.8	26	1.0	30	2.5	1 050
Parcel, U.S. Postal Service or courier	1 112	18.4	23	.9	25	2.1	1 050
Truck and rail	S	S	S	S	S	S	1 107
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	416	6.9	S	S	S	S	770

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

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

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

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

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

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

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 181 747	1 309 423	195 036
Less than 50 miles	382 821	902 519	17 780
50 to 99 miles	126 193	132 433	12 515
100 to 249 miles	192 015	136 106	32 030
250 to 499 miles	128 883	58 568	27 844
500 to 749 miles	99 136	28 811	22 994
750 to 999 miles	71 326	19 203	21 009
1,000 to 1,499 miles	75 740	18 528	26 309
1,500 to 1,999 miles	27 104	3 630	7 319
2,000 miles or more	78 528	9 624	27 236
SCTG 01, Live animals and live fish	202	165	79
Less than 50 miles	S	S	S
50 to 99 miles	S	6	1
100 to 249 miles	25	16	4
250 to 499 miles	14	12	7
500 to 749 miles	62	66	53
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	723	2 273	274
Less than 50 miles	332	1 783	40
50 to 99 miles	28	185	17
100 to 249 miles	35	125	30
250 to 499 miles	S	70	36
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	9 958	14 124	1 717
Less than 50 miles	6 362	8 038	234
50 to 99 miles	S	2 809	248
100 to 249 miles	1 089	2 031	428
250 to 499 miles	465	836	338
500 to 749 miles	126	103	76
750 to 999 miles	115	131	126
1,000 to 1,499 miles	134	130	149
1,500 to 1,999 miles	9	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	4 538	12 226	1 464
Less than 50 miles	2 121	8 113	218
50 to 99 miles	534	1 861	180
100 to 249 miles	750	1 403	280
250 to 499 miles	572	516	217
500 to 749 miles	93	96	74
750 to 999 miles	45	56	60
1,000 to 1,499 miles	62	65	89
1,500 to 1,999 miles	24	12	26
2,000 miles or more	336	103	320
SCTG 05, Meat, fish, seafood, and their preparations	20 641	7 222	2 227
Less than 50 miles	9 381	3 212	80
50 to 99 miles	2 833	1 094	102
100 to 249 miles	3 147	1 224	231
250 to 499 miles	2 108	620	268
500 to 749 miles	747	249	196
750 to 999 miles	836	228	239
1,000 to 1,499 miles	886	341	491
1,500 to 1,999 miles	241	103	194
2,000 miles or more	461	151	426
SCTG 06, Milled grain products and preparations, and bakery products	19 823	13 987	4 399
Less than 50 miles	7 926	5 407	132
50 to 99 miles	3 497	2 552	241
100 to 249 miles	3 360	2 498	492
250 to 499 miles	1 925	1 562	660
500 to 749 miles	1 179	718	554
750 to 999 miles	556	320	328
1,000 to 1,499 miles	638	423	603
1,500 to 1,999 miles	147	75	149
2,000 miles or more	594	435	1 240
SCTG 07, Other prepared foodstuffs and fats and oils	66 507	61 834	12 988
Less than 50 miles	27 788	31 592	792
50 to 99 miles	9 402	9 617	892
100 to 249 miles	13 347	10 499	2 122
250 to 499 miles	5 283	3 921	1 645
500 to 749 miles	3 647	2 360	1 801
750 to 999 miles	2 563	1 575	1 582
1,000 to 1,499 miles	2 502	1 380	1 840
1,500 to 1,999 miles	481	194	371
2,000 miles or more	1 494	696	1 944

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	15 219	14 409	3 574
Less than 50 miles	9 870	7 790	157
50 to 99 miles	1 002	1 156	104
100 to 249 miles	1 310	1 852	425
250 to 499 miles	1 027	1 426	621
500 to 749 miles	950	1 110	848
750 to 999 miles	511	597	596
1,000 to 1,499 miles	414	373	532
1,500 to 1,999 miles	21	16	31
2,000 miles or more	113	89	260
SCTG 09, Tobacco products	7 509	399	54
Less than 50 miles	5 576	251	7
50 to 99 miles	916	82	7
100 to 249 miles	493	37	7
250 to 499 miles	S	S	S
500 to 749 miles	94	6	4
750 to 999 miles	63	3	3
1,000 to 1,499 miles	99	6	7
1,500 to 1,999 miles	31	1	2
2,000 miles or more	109	4	11
SCTG 10, Monumental or building stone	766	4 183	438
Less than 50 miles	S	3 192	86
50 to 99 miles	S	439	42
100 to 249 miles	92	300	57
250 to 499 miles	26	S	S
500 to 749 miles	6	23	17
750 to 999 miles	5	17	17
1,000 to 1,499 miles	6	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	966	64 111	2 776
Less than 50 miles	596	55 560	1 251
50 to 99 miles	140	5 058	525
100 to 249 miles	S	2 603	510
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	4	S	S
1,000 to 1,499 miles	2	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	1 957	266 702	7 391
Less than 50 miles	1 734	247 540	4 675
50 to 99 miles	118	14 016	1 215
100 to 249 miles	59	3 867	702
250 to 499 miles	19	894	347
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	1 408	43 016	3 153
Less than 50 miles	512	31 169	753
50 to 99 miles	152	6 482	582
100 to 249 miles	335	4 083	854
250 to 499 miles	168	801	414
500 to 749 miles	62	234	175
750 to 999 miles	54	129	133
1,000 to 1,499 miles	28	58	94
1,500 to 1,999 miles	39	27	53
2,000 miles or more	58	33	95
SCTG 14, Metallic ores and concentrates	984	2 150	S
Less than 50 miles	218	981	23
50 to 99 miles	88	S	S
100 to 249 miles	228	290	82
250 to 499 miles	297	374	172
500 to 749 miles	29	30	21
750 to 999 miles	40	33	33
1,000 to 1,499 miles	17	14	19
1,500 to 1,999 miles	2	S	S
2,000 miles or more	65	S	S
SCTG 15, Coal	3 241	111 118	21 262
Less than 50 miles	1 867	59 672	1 107
50 to 99 miles	302	11 943	1 377
100 to 249 miles	741	27 584	9 441
250 to 499 miles	224	8 307	5 219
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	21 424	82 472	S
Less than 50 miles	18 053	68 529	1 219
50 to 99 miles	1 739	6 653	555
100 to 249 miles	869	3 904	790
250 to 499 miles	9	38	14
500 to 749 miles	—	—	—
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	13 200	68 533	3 279
Less than 50 miles	10 330	51 433	742
50 to 99 miles	1 816	11 087	1 145
100 to 249 miles	962	5 468	1 040
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	9 015	94 605	3 824
Less than 50 miles	6 119	84 000	1 272
50 to 99 miles	921	3 473	341
100 to 249 miles	953	5 172	1 003
250 to 499 miles	622	1 504	653
500 to 749 miles	110	174	147
750 to 999 miles	64	58	S
1,000 to 1,499 miles	177	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	40	17	46
SCTG 20, Basic chemicals	18 978	17 568	6 345
Less than 50 miles	5 722	7 435	195
50 to 99 miles	1 462	2 018	189
100 to 249 miles	3 849	2 498	519
250 to 499 miles	2 405	2 082	989
500 to 749 miles	2 070	1 209	970
750 to 999 miles	904	317	325
1,000 to 1,499 miles	1 403	1 673	2 308
1,500 to 1,999 miles	280	143	305
2,000 miles or more	883	193	544
SCTG 21, Pharmaceutical products	70 647	1 966	828
Less than 50 miles	16 709	S	17
50 to 99 miles	9 167	204	20
100 to 249 miles	13 667	282	57
250 to 499 miles	5 805	214	95
500 to 749 miles	5 496	144	111
750 to 999 miles	6 352	121	127
1,000 to 1,499 miles	4 959	95	130
1,500 to 1,999 miles	3 065	15	29
2,000 miles or more	5 427	88	241
SCTG 22, Fertilizers	976	3 646	456
Less than 50 miles	413	1 945	S
50 to 99 miles	197	S	S
100 to 249 miles	201	S	S
250 to 499 miles	S	S	S
500 to 749 miles	33	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	45 205	9 790	4 951
Less than 50 miles	12 664	2 881	87
50 to 99 miles	2 807	993	85
100 to 249 miles	6 228	1 696	354
250 to 499 miles	5 808	1 449	648
500 to 749 miles	5 869	927	713
750 to 999 miles	3 980	661	669
1,000 to 1,499 miles	2 702	554	779
1,500 to 1,999 miles	S	73	142
2,000 miles or more	3 916	556	1 472
SCTG 24, Plastics and rubber	50 718	31 279	11 725
Less than 50 miles	14 696	9 795	322
50 to 99 miles	5 234	5 614	482
100 to 249 miles	7 989	8 519	S
250 to 499 miles	6 112	2 040	892
500 to 749 miles	5 654	1 810	1 347
750 to 999 miles	3 116	957	979
1,000 to 1,499 miles	3 468	1 174	1 828
1,500 to 1,999 miles	967	232	454
2,000 miles or more	3 482	1 138	3 419

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	1 082	22 862	S
Less than 50 miles	410	S	287
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	16	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	13 545	29 227	5 141
Less than 50 miles	5 778	17 528	472
50 to 99 miles	2 228	4 435	417
100 to 249 miles	2 462	3 605	725
250 to 499 miles	1 107	1 403	633
500 to 749 miles	599	826	629
750 to 999 miles	410	480	494
1,000 to 1,499 miles	478	578	767
1,500 to 1,999 miles	120	97	S
2,000 miles or more	362	275	803
SCTG 27, Pulp, newsprint, paper, and paperboard	21 621	21 662	11 462
Less than 50 miles	5 514	6 137	145
50 to 99 miles	1 933	1 682	161
100 to 249 miles	3 601	3 601	778
250 to 499 miles	3 217	3 272	1 500
500 to 749 miles	2 038	2 251	1 719
750 to 999 miles	2 201	2 079	2 252
1,000 to 1,499 miles	1 943	1 768	2 501
1,500 to 1,999 miles	390	225	449
2,000 miles or more	785	646	1 958
SCTG 28, Paper or paperboard articles	20 358	11 927	3 177
Less than 50 miles	7 792	5 358	138
50 to 99 miles	2 720	1 858	173
100 to 249 miles	3 739	2 046	420
250 to 499 miles	2 249	952	407
500 to 749 miles	1 676	876	655
750 to 999 miles	772	332	336
1,000 to 1,499 miles	632	221	312
1,500 to 1,999 miles	171	62	117
2,000 miles or more	608	222	619
SCTG 29, Printed products	95 381	18 067	5 381
Less than 50 miles	28 040	10 094	194
50 to 99 miles	9 996	1 669	160
100 to 249 miles	S	2 702	604
250 to 499 miles	8 103	1 039	457
500 to 749 miles	5 800	912	706
750 to 999 miles	4 726	421	427
1,000 to 1,499 miles	3 154	328	447
1,500 to 1,999 miles	S	123	223
2,000 miles or more	7 421	780	2 162
SCTG 30, Textiles, leather, and articles of textiles or leather	67 955	4 788	3 010
Less than 50 miles	14 654	1 343	28
50 to 99 miles	4 829	384	35
100 to 249 miles	9 817	740	161
250 to 499 miles	8 116	573	265
500 to 749 miles	7 683	504	375
750 to 999 miles	6 273	314	312
1,000 to 1,499 miles	8 425	519	731
1,500 to 1,999 miles	1 942	100	196
2,000 miles or more	6 218	311	906
SCTG 31, Nonmetallic mineral products	19 698	114 276	10 139
Less than 50 miles	7 413	86 049	1 713
50 to 99 miles	2 374	12 457	1 140
100 to 249 miles	3 313	9 773	1 990
250 to 499 miles	2 447	3 078	1 317
500 to 749 miles	1 582	1 167	869
750 to 999 miles	693	446	453
1,000 to 1,499 miles	735	519	733
1,500 to 1,999 miles	366	282	571
2,000 miles or more	774	505	1 352
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	54 020	40 772	18 656
Less than 50 miles	11 107	11 122	232
50 to 99 miles	4 983	4 020	370
100 to 249 miles	9 312	7 027	1 618
250 to 499 miles	12 354	7 357	3 414
500 to 749 miles	6 944	3 969	3 082
750 to 999 miles	3 769	S	S
1,000 to 1,499 miles	2 442	1 398	2 137
1,500 to 1,999 miles	469	174	339
2,000 miles or more	2 640	870	2 402

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	36 599	15 208	5 867
Less than 50 miles	11 666	4 135	116
50 to 99 miles	4 359	2 497	233
100 to 249 miles	6 125	3 630	828
250 to 499 miles	4 597	2 270	983
500 to 749 miles	2 927	932	693
750 to 999 miles	2 317	532	562
1,000 to 1,499 miles	1 989	567	808
1,500 to 1,999 miles	693	163	311
2,000 miles or more	1 926	481	1 334
SCTG 34, Machinery	63 823	5 365	2 315
Less than 50 miles	16 703	1 921	48
50 to 99 miles	6 478	471	42
100 to 249 miles	9 853	856	181
250 to 499 miles	8 983	814	321
500 to 749 miles	5 376	456	336
750 to 999 miles	5 169	264	271
1,000 to 1,499 miles	5 289	311	442
1,500 to 1,999 miles	1 647	107	203
2,000 miles or more	4 325	165	470
SCTG 35, Electronic and other electrical equipment and components and office equipment	156 283	5 316	3 552
Less than 50 miles	37 335	1 248	33
50 to 99 miles	13 756	383	35
100 to 249 miles	22 935	809	174
250 to 499 miles	15 758	792	335
500 to 749 miles	16 352	798	617
750 to 999 miles	11 224	335	349
1,000 to 1,499 miles	14 855	354	497
1,500 to 1,999 miles	5 785	197	389
2,000 miles or more	18 284	401	1 123
SCTG 36, Motorized and other vehicles (including parts)	48 300	6 999	2 596
Less than 50 miles	15 827	2 380	54
50 to 99 miles	8 835	1 023	90
100 to 249 miles	5 951	845	182
250 to 499 miles	7 413	1 289	596
500 to 749 miles	4 401	683	500
750 to 999 miles	2 011	292	312
1,000 to 1,499 miles	2 056	317	444
1,500 to 1,999 miles	491	69	135
2,000 miles or more	1 316	102	282
SCTG 37, Transportation equipment, n.e.c.	14 533	1 016	956
Less than 50 miles	5 731	153	3
50 to 99 miles	1 068	31	3
100 to 249 miles	1 528	134	31
250 to 499 miles	1 015	S	S
500 to 749 miles	914	S	S
750 to 999 miles	691	43	45
1,000 to 1,499 miles	1 742	177	277
1,500 to 1,999 miles	190	S	S
2,000 miles or more	1 654	S	S
SCTG 38, Precision instruments and apparatus	39 348	578	440
Less than 50 miles	8 621	122	3
50 to 99 miles	2 373	51	5
100 to 249 miles	4 613	72	16
250 to 499 miles	5 294	75	33
500 to 749 miles	4 661	102	77
750 to 999 miles	2 711	30	30
1,000 to 1,499 miles	4 110	40	56
1,500 to 1,999 miles	2 219	26	51
2,000 miles or more	4 746	60	167
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12 310	1 983	871
Less than 50 miles	4 174	655	16
50 to 99 miles	1 388	247	23
100 to 249 miles	2 420	438	85
250 to 499 miles	1 343	194	87
500 to 749 miles	593	109	83
750 to 999 miles	873	130	135
1,000 to 1,499 miles	679	88	122
1,500 to 1,999 miles	240	31	58
2,000 miles or more	600	92	261
SCTG 40, Miscellaneous manufactured products	90 809	S	6 506
Less than 50 miles	23 104	S	153
50 to 99 miles	7 759	1 846	167
100 to 249 miles	13 629	2 197	440
250 to 499 miles	10 879	1 109	497
500 to 749 miles	9 214	960	717
750 to 999 miles	6 295	603	613
1,000 to 1,499 miles	7 909	620	872
1,500 to 1,999 miles	3 371	S	S
2,000 miles or more	8 650	527	1 472

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	6 651	28 621	7 715
Less than 50 miles	2 145	13 257	392
50 to 99 miles	631	3 099	288
100 to 249 miles	1 397	6 135	1 399
250 to 499 miles	994	2 815	1 251
500 to 749 miles	593	S	S
750 to 999 miles	485	999	S
1,000 to 1,499 miles	203	289	458
1,500 to 1,999 miles	S	S	S
2,000 miles or more	107	57	169
SCTG 43, Mixed freight	28 792	13 586	1 767
Less than 50 miles	14 970	7 856	230
50 to 99 miles	5 753	2 882	262
100 to 249 miles	4 296	1 834	334
250 to 499 miles	1 079	461	190
500 to 749 miles	694	221	168
750 to 999 miles	S	73	76
1,000 to 1,499 miles	382	140	195
1,500 to 1,999 miles	40	S	29
2,000 miles or more	S	105	282
Commodity unknown	6 033	2 649	1 182
Less than 50 miles	2 268	1 348	42
50 to 99 miles	344	205	18
100 to 249 miles	957	272	62
250 to 499 miles	524	158	68
500 to 749 miles	496	146	113
750 to 999 miles	426	107	112
1,000 to 1,499 miles	393	S	S
1,500 to 1,999 miles	209	S	S
2,000 miles or more	417	S	S

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

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

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

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

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 181 747	1 309 423	195 036
Less than 50 lb	215 424	4 851	2 075
50 to 99 lb	56 967	2 875	905
100 to 499 lb	174 140	15 605	3 905
500 to 749 lb	45 480	7 032	1 537
750 to 999 lb	37 328	6 128	1 555
1,000 to 9,999 lb	274 495	91 481	19 482
10,000 to 49,999 lb	302 384	589 876	87 449
50,000 to 99,999 lb	33 270	252 790	16 901
100,000 lb or more	42 260	338 784	61 227
SCTG 01, Live animals and live fish	202	165	79
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	—
500 to 749 lb	S	S	—
750 to 999 lb	3	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	48	47	27
50,000 to 99,999 lb	26	30	22
100,000 lb or more	23	27	23
SCTG 02, Cereal grains	723	2 273	274
Less than 50 lb	S	S	S
50 to 99 lb	S	S	—
100 to 499 lb	S	S	—
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	35	S	S
10,000 to 49,999 lb	517	920	S
50,000 to 99,999 lb	124	1 023	38
100,000 lb or more	28	213	S
SCTG 03, Other agricultural products	9 958	14 124	1 717
Less than 50 lb	245	29	5
50 to 99 lb	150	46	3
100 to 499 lb	933	454	19
500 to 749 lb	426	292	15
750 to 999 lb	324	204	10
1,000 to 9,999 lb	3 168	3 353	234
10,000 to 49,999 lb	3 639	5 454	887
50,000 to 99,999 lb	696	3 620	480
100,000 lb or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	4 538	12 226	1 464
Less than 50 lb	66	7	3
50 to 99 lb	S	8	S
100 to 499 lb	135	84	5
500 to 749 lb	65	61	S
750 to 999 lb	32	46	S
1,000 to 9,999 lb	1 208	2 526	145
10,000 to 49,999 lb	2 484	8 025	1 020
50,000 to 99,999 lb	295	919	127
100,000 lb or more	219	549	155
SCTG 05, Meat, fish, seafood, and their preparations	20 641	7 222	2 227
Less than 50 lb	389	40	S
50 to 99 lb	499	75	3
100 to 499 lb	2 574	603	42
500 to 749 lb	1 086	304	31
750 to 999 lb	769	237	22
1,000 to 9,999 lb	7 774	2 735	576
10,000 to 49,999 lb	6 804	2 932	1 518
50,000 to 99,999 lb	S	S	16
100,000 lb or more	440	142	S
SCTG 06, Milled grain products and preparations, and bakery products	19 823	13 987	4 399
Less than 50 lb	639	187	7
50 to 99 lb	372	135	6
100 to 499 lb	1 324	566	41
500 to 749 lb	556	265	20
750 to 999 lb	477	270	21
1,000 to 9,999 lb	5 139	3 210	488
10,000 to 49,999 lb	10 207	7 775	3 255
50,000 to 99,999 lb	651	1 097	143
100,000 lb or more	457	483	S
SCTG 07, Other prepared foodstuffs and fats and oils	66 507	61 834	12 988
Less than 50 lb	1 238	141	15
50 to 99 lb	887	203	11
100 to 499 lb	4 023	1 981	133
500 to 749 lb	1 865	977	99
750 to 999 lb	1 335	763	84
1,000 to 9,999 lb	16 748	12 003	1 478
10,000 to 49,999 lb	39 004	42 238	10 697
50,000 to 99,999 lb	1 096	2 082	279
100,000 lb or more	310	S	192

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	15 219	14 409	3 574
Less than 50 lb	495	50	S
50 to 99 lb	308	60	2
100 to 499 lb	1 894	985	22
500 to 749 lb	820	600	12
750 to 999 lb	609	472	10
1,000 to 9,999 lb	4 196	3 663	104
10,000 to 49,999 lb	6 542	8 160	3 144
50,000 to 99,999 lb	236	291	93
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	7 509	399	54
Less than 50 lb	1 098	20	2
50 to 99 lb	919	25	2
100 to 499 lb	2 514	93	10
500 to 749 lb	601	31	5
750 to 999 lb	290	17	3
1,000 to 9,999 lb	1 804	155	21
10,000 to 49,999 lb	272	53	11
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	766	4 183	438
Less than 50 lb	S	S	S
50 to 99 lb	—	—	S
100 to 499 lb	9	5	—
500 to 749 lb	S	5	1
750 to 999 lb	S	S	1
1,000 to 9,999 lb	S	S	17
10,000 to 49,999 lb	337	2 759	S
50,000 to 99,999 lb	S	955	60
100,000 lb or more	S	S	S
SCTG 11, Natural sands	966	64 111	2 776
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	9	5	1
500 to 749 lb	3	5	1
750 to 999 lb	S	6	S
1,000 to 9,999 lb	51	638	S
10,000 to 49,999 lb	605	22 345	943
50,000 to 99,999 lb	164	23 986	977
100,000 lb or more	129	17 126	808
SCTG 12, Gravel and crushed stone	1 957	266 702	7 391
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	5	S
500 to 749 lb	S	5	S
750 to 999 lb	—	5	S
1,000 to 9,999 lb	24	1 807	29
10,000 to 49,999 lb	1 057	151 337	4 574
50,000 to 99,999 lb	445	57 922	1 615
100,000 lb or more	429	55 620	1 173
SCTG 13, Nonmetallic minerals n.e.c.	1 408	43 016	3 153
Less than 50 lb	5	1	—
50 to 99 lb	S	2	—
100 to 499 lb	34	17	4
500 to 749 lb	S	S	1
750 to 999 lb	37	S	S
1,000 to 9,999 lb	209	536	53
10,000 to 49,999 lb	820	17 488	1 527
50,000 to 99,999 lb	134	10 655	784
100,000 lb or more	91	14 263	779
SCTG 14, Metallic ores and concentrates	984	2 150	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	9	2	—
750 to 999 lb	S	S	S
1,000 to 9,999 lb	159	68	18
10,000 to 49,999 lb	493	741	S
50,000 to 99,999 lb	116	1 065	S
100,000 lb or more	89	261	112
SCTG 15, Coal	3 241	111 118	21 262
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	43	317	6
10,000 to 49,999 lb	1 060	23 045	1 297
50,000 to 99,999 lb	184	6 726	388
100,000 lb or more	1 954	81 028	19 571

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	21 424	82 472	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	14	S	—
500 to 749 lb	S	S	S
750 to 999 lb	13	19	—
1,000 to 9,999 lb	797	1 594	57
10,000 to 49,999 lb	3 476	12 603	507
50,000 to 99,999 lb	10 738	38 050	1 448
100,000 lb or more	6 365	30 122	S
SCTG 18, Fuel oils	13 200	68 533	3 279
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	151	S
500 to 749 lb	99	310	5
750 to 999 lb	157	505	7
1,000 to 9,999 lb	1 704	5 492	118
10,000 to 49,999 lb	3 433	18 159	827
50,000 to 99,999 lb	4 181	24 010	1 196
100,000 lb or more	3 544	19 898	1 123
SCTG 19, Coal and petroleum products, n.e.c.	9 015	94 605	3 824
Less than 50 lb	38	11	1
50 to 99 lb	S	15	S
100 to 499 lb	231	161	11
500 to 749 lb	97	87	5
750 to 999 lb	96	118	6
1,000 to 9,999 lb	819	1 840	81
10,000 to 49,999 lb	3 898	56 283	1 669
50,000 to 99,999 lb	947	15 917	464
100,000 lb or more	2 812	20 175	1 580
SCTG 20, Basic chemicals	18 978	17 568	6 345
Less than 50 lb	1 386	31	13
50 to 99 lb	501	38	8
100 to 499 lb	1 514	287	51
500 to 749 lb	409	178	26
750 to 999 lb	290	98	21
1,000 to 9,999 lb	6 132	2 624	487
10,000 to 49,999 lb	6 889	8 760	2 485
50,000 to 99,999 lb	213	459	78
100,000 lb or more	1 645	5 093	3 176
SCTG 21, Pharmaceutical products	70 647	1 966	828
Less than 50 lb	27 299	207	117
50 to 99 lb	6 643	90	43
100 to 499 lb	14 793	247	100
500 to 749 lb	2 601	65	31
750 to 999 lb	3 973	41	20
1,000 to 9,999 lb	8 003	336	161
10,000 to 49,999 lb	7 271	895	301
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	976	3 646	456
Less than 50 lb	S	1	S
50 to 99 lb	3	S	S
100 to 499 lb	11	9	S
500 to 749 lb	22	17	2
750 to 999 lb	8	6	S
1,000 to 9,999 lb	309	624	58
10,000 to 49,999 lb	595	2 775	S
50,000 to 99,999 lb	16	163	S
100,000 lb or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	45 205	9 790	4 951
Less than 50 lb	4 437	121	49
50 to 99 lb	1 705	87	32
100 to 499 lb	7 384	485	159
500 to 749 lb	2 352	214	75
750 to 999 lb	1 870	203	89
1,000 to 9,999 lb	15 700	2 115	1 022
10,000 to 49,999 lb	10 634	5 404	2 630
50,000 to 99,999 lb	248	176	103
100,000 lb or more	874	984	792
SCTG 24, Plastics and rubber	50 718	31 279	11 725
Less than 50 lb	4 356	170	66
50 to 99 lb	1 704	147	55
100 to 499 lb	6 669	956	289
500 to 749 lb	2 095	398	138
750 to 999 lb	1 405	292	100
1,000 to 9,999 lb	18 020	5 404	2 141
10,000 to 49,999 lb	14 451	7 632	4 867
50,000 to 99,999 lb	409	699	187
100,000 lb or more	1 610	15 582	3 883

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	1 082	22 862	S
Less than 50 lb	S	—	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	1	S	—
750 to 999 lb	1	S	S
1,000 to 9,999 lb	S	156	13
10,000 to 49,999 lb	382	3 493	260
50,000 to 99,999 lb	S	S	S
100,000 lb or more	49	S	S
SCTG 26, Wood products	13 545	29 227	5 141
Less than 50 lb	511	34	11
50 to 99 lb	286	40	8
100 to 499 lb	1 433	235	42
500 to 749 lb	499	126	20
750 to 999 lb	378	106	17
1,000 to 9,999 lb	3 884	2 441	261
10,000 to 49,999 lb	5 217	15 649	2 591
50,000 to 99,999 lb	880	8 460	766
100,000 lb or more	458	2 136	1 424
SCTG 27, Pulp, newsprint, paper, and paperboard	21 621	21 662	11 462
Less than 50 lb	292	46	4
50 to 99 lb	186	42	4
100 to 499 lb	926	337	30
500 to 749 lb	361	158	15
750 to 999 lb	345	173	22
1,000 to 9,999 lb	3 786	2 267	510
10,000 to 49,999 lb	13 402	14 611	7 435
50,000 to 99,999 lb	348	S	213
100,000 lb or more	1 977	3 114	3 230
SCTG 28, Paper or paperboard articles	20 358	11 927	3 177
Less than 50 lb	1 158	86	30
50 to 99 lb	505	81	13
100 to 499 lb	2 078	537	75
500 to 749 lb	716	264	34
750 to 999 lb	530	205	26
1,000 to 9,999 lb	5 624	3 146	762
10,000 to 49,999 lb	9 541	6 880	2 035
50,000 to 99,999 lb	29	216	34
100,000 lb or more	S	512	S
SCTG 29, Printed products	95 381	18 067	5 381
Less than 50 lb	16 192	1 355	357
50 to 99 lb	4 328	528	131
100 to 499 lb	20 342	1 880	S
500 to 749 lb	3 953	457	S
750 to 999 lb	S	555	S
1,000 to 9,999 lb	S	5 234	1 562
10,000 to 49,999 lb	9 505	5 499	1 811
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	1 066	108
SCTG 30, Textiles, leather, and articles of textiles or leather	67 955	4 788	3 010
Less than 50 lb	16 021	394	355
50 to 99 lb	4 101	176	140
100 to 499 lb	11 818	638	405
500 to 749 lb	3 630	245	115
750 to 999 lb	2 685	158	87
1,000 to 9,999 lb	20 352	1 673	1 077
10,000 to 49,999 lb	9 012	1 385	772
50,000 to 99,999 lb	144	S	S
100,000 lb or more	192	72	S
SCTG 31, Nonmetallic mineral products	19 698	114 276	10 139
Less than 50 lb	1 404	58	55
50 to 99 lb	377	48	16
100 to 499 lb	1 447	293	74
500 to 749 lb	401	128	24
750 to 999 lb	370	128	32
1,000 to 9,999 lb	4 012	4 477	786
10,000 to 49,999 lb	9 449	61 218	5 869
50,000 to 99,999 lb	1 545	26 251	2 032
100,000 lb or more	692	S	1 250
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	54 020	40 772	18 656
Less than 50 lb	1 420	59	19
50 to 99 lb	854	68	15
100 to 499 lb	3 617	490	101
500 to 749 lb	1 087	202	40
750 to 999 lb	1 071	244	S
1,000 to 9,999 lb	10 114	3 930	1 204
10,000 to 49,999 lb	28 008	23 485	8 866
50,000 to 99,999 lb	2 028	3 144	1 123
100,000 lb or more	5 821	9 150	7 150

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	36 599	15 208	5 867
Less than 50 lb	6 565	195	97
50 to 99 lb	2 037	133	44
100 to 499 lb	5 583	624	214
500 to 749 lb	1 317	211	87
750 to 999 lb	1 234	203	69
1,000 to 9,999 lb	9 338	3 257	1 314
10,000 to 49,999 lb	9 280	8 154	2 578
50,000 to 99,999 lb	402	631	336
100,000 lb or more	843	1 800	1 127
SCTG 34, Machinery	63 823	5 365	2 315
Less than 50 lb	10 337	162	51
50 to 99 lb	3 662	100	33
100 to 499 lb	10 268	438	156
500 to 749 lb	3 480	193	95
750 to 999 lb	2 083	132	52
1,000 to 9,999 lb	14 933	1 277	615
10,000 to 49,999 lb	15 969	2 355	1 110
50,000 to 99,999 lb	1 770	456	105
100,000 lb or more	1 323	252	98
SCTG 35, Electronic and other electrical equipment and components and office equipment	156 283	5 316	3 552
Less than 50 lb	51 966	347	192
50 to 99 lb	12 960	183	89
100 to 499 lb	35 935	702	377
500 to 749 lb	8 972	257	117
750 to 999 lb	4 895	143	81
1,000 to 9,999 lb	26 733	1 522	1 058
10,000 to 49,999 lb	14 557	2 089	1 575
50,000 to 99,999 lb	S	56	S
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	48 300	6 999	2 596
Less than 50 lb	5 474	283	61
50 to 99 lb	1 911	158	33
100 to 499 lb	5 603	427	134
500 to 749 lb	1 595	151	36
750 to 999 lb	1 242	114	39
1,000 to 9,999 lb	15 928	2 227	517
10,000 to 49,999 lb	12 417	2 928	1 368
50,000 to 99,999 lb	1 850	338	199
100,000 lb or more	S	373	208
SCTG 37, Transportation equipment, n.e.c.	14 533	1 016	956
Less than 50 lb	4 793	10	9
50 to 99 lb	1 223	5	4
100 to 499 lb	2 527	21	19
500 to 749 lb	267	8	6
750 to 999 lb	S	5	3
1,000 to 9,999 lb	731	93	73
10,000 to 49,999 lb	881	519	S
50,000 to 99,999 lb	346	121	125
100,000 lb or more	3 282	233	236
SCTG 38, Precision instruments and apparatus	39 348	578	440
Less than 50 lb	19 354	110	82
50 to 99 lb	4 234	35	28
100 to 499 lb	8 421	137	104
500 to 749 lb	1 377	32	18
750 to 999 lb	944	21	11
1,000 to 9,999 lb	3 986	131	118
10,000 to 49,999 lb	1 032	112	79
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12 310	1 983	871
Less than 50 lb	627	37	22
50 to 99 lb	402	35	15
100 to 499 lb	2 550	295	120
500 to 749 lb	899	129	62
750 to 999 lb	543	81	21
1,000 to 9,999 lb	4 729	803	347
10,000 to 49,999 lb	2 498	567	276
50,000 to 99,999 lb	49	23	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	90 809	S	6 506
Less than 50 lb	35 685	537	421
50 to 99 lb	5 195	201	143
100 to 499 lb	13 716	774	472
500 to 749 lb	2 868	269	154
750 to 999 lb	1 939	192	110
1,000 to 9,999 lb	14 784	2 644	1 313
10,000 to 49,999 lb	15 226	7 327	2 202
50,000 to 99,999 lb	536	901	S
100,000 lb or more	861	S	S

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	6 651	28 621	7 715
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	4	1
500 to 749 lb	12	S	S
750 to 999 lb	6	S	—
1,000 to 9,999 lb	331	381	25
10,000 to 49,999 lb	4 461	18 187	2 781
50,000 to 99,999 lb	440	2 020	410
100,000 lb or more	1 353	8 016	4 496
SCTG 43, Mixed freight	28 792	13 586	1 767
Less than 50 lb	1 128	89	15
50 to 99 lb	559	68	10
100 to 499 lb	2 078	562	61
500 to 749 lb	719	285	20
750 to 999 lb	843	289	24
1,000 to 9,999 lb	7 646	3 726	449
10,000 to 49,999 lb	15 438	8 256	1 130
50,000 to 99,999 lb	S	74	S
100,000 lb or more	S	S	S
Commodity unknown	6 033	2 649	1 182
Less than 50 lb	728	13	9
50 to 99 lb	283	10	5
100 to 499 lb	1 528	61	23
500 to 749 lb	118	26	3
750 to 999 lb	88	31	4
1,000 to 9,999 lb	1 521	582	125
10,000 to 49,999 lb	1 574	1 327	674
50,000 to 99,999 lb	31	110	7
100,000 lb or more	S	S	S

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

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

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

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

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 181 747	1 309 423	195 036	469	382 821	902 519	17 780	126 193	132 433	12 515
Less than 50 lb	215 424	4 851	2 075	546	58 628	2 621	49	19 853	296	28
50 to 99 lb	56 967	2 875	905	315	20 161	1 786	35	4 672	217	20
100 to 499 lb	174 140	15 605	3 905	259	60 005	10 035	203	17 716	1 501	141
500 to 749 lb	45 480	7 032	1 537	216	16 816	4 653	95	3 510	702	64
750 to 999 lb	37 328	6 128	1 555	250	11 519	3 879	80	3 051	631	58
1,000 to 9,999 lb	274 495	91 481	19 482	213	90 793	54 878	1 203	33 644	11 888	1 101
10,000 to 49,999 lb	302 384	589 876	87 449	158	85 453	402 709	8 669	37 315	57 525	5 314
50,000 to 99,999 lb	33 270	252 790	16 901	65	20 470	197 689	4 512	4 135	32 781	3 008
100,000 lb or more	42 260	338 784	61 227	185	18 976	224 269	2 935	2 296	26 892	2 781
SCTG 01, Live animals and live fish	202	165	79	S	S	S	S	S	6	1
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	60	S	S	S	S	S	S
750 to 999 lb	3	S	S	141	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	178	S	S	S	S	S	S
10,000 to 49,999 lb	48	47	27	412	S	S	S	2	2	—
50,000 to 99,999 lb	26	30	22	713	S	S	S	S	S	S
100,000 lb or more	23	27	23	715	S	S	S	—	—	—
SCTG 02, Cereal grains	723	2 273	274	S	332	1 783	40	28	185	17
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	—	39	S	S	S	S	S	S
100 to 499 lb	S	S	—	S	S	S	S	S	S	S
500 to 749 lb	S	S	—	45	S	S	S	S	S	S
750 to 999 lb	S	S	S	100	S	S	S	—	—	—
1,000 to 9,999 lb	35	S	S	S	S	S	S	S	3	—
10,000 to 49,999 lb	517	920	S	217	181	674	10	7	58	4
50,000 to 99,999 lb	124	1 023	38	37	107	949	27	5	44	4
100,000 lb or more	28	213	S	285	S	S	S	S	S	S
SCTG 03, Other agricultural products	9 958	14 124	1 717	131	6 362	8 038	234	S	2 809	248
Less than 50 lb	245	29	5	332	145	23	—	28	2	—
50 to 99 lb	150	46	3	S	108	39	1	17	3	—
100 to 499 lb	933	454	19	S	750	403	6	100	28	2
500 to 749 lb	426	292	15	S	289	223	3	S	S	S
750 to 999 lb	324	204	10	S	273	181	3	15	10	1
1,000 to 9,999 lb	3 168	3 353	234	66	2 150	2 401	56	S	S	S
10,000 to 49,999 lb	3 639	5 454	887	135	2 090	2 881	96	S	S	S
50,000 to 99,999 lb	696	3 620	480	134	227	1 403	50	S	S	S
100,000 lb or more	S	S	S	104	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	4 538	12 226	1 464	170	2 121	8 113	218	534	1 861	180
Less than 50 lb	66	7	3	544	S	S	—	S	S	S
50 to 99 lb	S	8	S	S	9	7	—	S	S	S
100 to 499 lb	135	84	5	S	87	74	1	S	S	S
500 to 749 lb	65	61	S	69	35	47	1	S	S	S
750 to 999 lb	32	46	S	86	17	S	1	3	3	—
1,000 to 9,999 lb	1 208	2 526	145	56	621	2 014	55	162	310	31
10,000 to 49,999 lb	2 484	8 025	1 020	S	1 094	4 868	145	328	1 416	134
50,000 to 99,999 lb	295	919	127	136	S	S	7	22	124	14
100,000 lb or more	219	549	155	561	S	S	S	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	20 641	7 222	2 227	110	9 381	3 212	80	2 833	1 094	102
Less than 50 lb	389	40	S	153	327	33	1	29	3	—
50 to 99 lb	499	75	3	43	422	66	1	49	6	1
100 to 499 lb	2 574	603	42	68	1 913	461	11	383	95	9
500 to 749 lb	1 086	304	31	101	783	230	6	122	37	3
750 to 999 lb	769	237	22	92	510	164	4	128	44	4
1,000 to 9,999 lb	7 774	2 735	576	183	3 546	1 395	33	1 323	514	49
10,000 to 49,999 lb	6 804	2 932	1 518	431	1 311	658	22	760	357	33
50,000 to 99,999 lb	S	S	16	105	S	S	S	S	S	S
100,000 lb or more	440	142	S	S	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	19 823	13 987	4 399	69	7 926	5 407	132	3 497	2 552	241
Less than 50 lb	639	187	7	S	554	172	3	36	8	1
50 to 99 lb	372	135	6	S	340	125	2	21	6	—
100 to 499 lb	1 324	566	41	72	1 019	451	10	140	56	5
500 to 749 lb	556	265	20	76	383	174	4	85	45	4
750 to 999 lb	477	270	21	79	292	164	3	105	57	6
1,000 to 9,999 lb	5 139	3 210	488	122	2 375	1 643	32	1 063	659	64
10,000 to 49,999 lb	10 207	7 775	3 255	385	2 377	2 193	62	1 868	1 352	126
50,000 to 99,999 lb	651	1 097	143	S	S	419	13	81	325	31
100,000 lb or more	457	483	S	575	122	64	3	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	66 507	61 834	12 988	104	27 788	31 592	792	9 402	9 617	892
Less than 50 lb	1 238	141	15	129	928	117	2	69	7	1
50 to 99 lb	887	203	11	57	678	183	3	S	9	1
100 to 499 lb	4 023	1 981	133	66	2 732	1 697	31	267	119	11
500 to 749 lb	1 865	977	99	99	1 071	757	16	263	95	8
750 to 999 lb	1 335	763	84	109	751	561	13	163	90	8
1,000 to 9,999 lb	16 748	12 003	1 478	123	7 373	7 524	177	2 667	1 946	177
10,000 to 49,999 lb	39 004	42 238	10 697	241	13 573	18 478	477	5 556	6 699	632
50,000 to 99,999 lb	1 096	2 082	279	S	504	987	S	314	S	51
100,000 lb or more	310	S	192	S	S	S	S	S	S	S
SCTG 08, Alcoholic beverages	15 219	14 409	3 574	38	9 870	7 790	157	1 002	1 156	104
Less than 50 lb	495	50	S	59	440	41	1	S	2	—
50 to 99 lb	308	60	2	36	288	53	1	13	2	—
100 to 499 lb	1 894	985	22	23	1 780	947	18	93	34	3
500 to 749 lb	820	600	12	20	791	583	11	27	16	1
750 to 999 lb	609	472	10	20	575	457	8	31	13	1
1,000 to 9,999 lb	4 196	3 663	104	24	3 980	3 519	65	162	107	9
10,000 to 49,999 lb	6 542	8 160	3 144	323	1 927	2 092	51	634	981	90
50,000 to 99,999 lb	236	291	93	281	82	92	S	—	—	—
100,000 lb or more	S	S	S	797	S	S	S	—	—	—
SCTG 09, Tobacco products	7 509	399	54	90	5 576	251	7	916	82	7
Less than 50 lb	1 098	20	2	85	923	18	—	39	1	—
50 to 99 lb	919	25	2	73	822	22	—	47	1	—
100 to 499 lb	2 514	93	10	103	1 970	72	2	292	12	1
500 to 749 lb	601	31	5	151	483	23	1	44	4	—
750 to 999 lb	290	17	3	172	200	11	—	39	3	—
1,000 to 9,999 lb	1 804	155	21	S	1 021	79	S	397	47	4
10,000 to 49,999 lb	272	53	11	161	146	22	1	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	3	S	S	S	—	—	—
SCTG 10, Monumental or building stone	766	4 183	438	S	S	3 192	86	S	439	42
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	122	S	S	S	S	—	S
100 to 499 lb	9	5	—	98	S	S	S	S	—	S
500 to 749 lb	S	S	1	117	S	3	S	S	S	S
750 to 999 lb	S	S	1	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	17	65	S	S	S	S	S	S
10,000 to 49,999 lb	337	2 759	S	132	130	1 944	50	S	355	35
50,000 to 99,999 lb	S	955	60	S	S	S	27	4	S	S
100,000 lb or more	S	S	S	19	S	S	S	—	—	—
SCTG 11, Natural sands	966	64 111	2 776	56	596	55 560	1 251	140	5 058	525
Less than 50 lb	S	S	S	168	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	9	5	1	S	S	2	S	S	S	S
500 to 749 lb	3	5	1	S	S	S	—	S	S	S
750 to 999 lb	S	6	S	70	S	3	—	S	S	S
1,000 to 9,999 lb	51	638	S	91	15	479	7	S	S	S
10,000 to 49,999 lb	605	22 345	943	51	366	19 811	441	S	1 211	120
50,000 to 99,999 lb	164	23 986	977	42	131	21 555	591	20	1 616	151
100,000 lb or more	129	17 126	808	58	78	13 708	212	S	S	S
SCTG 12, Gravel and crushed stone	1 957	266 702	7 391	28	1 734	247 540	4 675	118	14 016	1 215
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	18	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	4	S	S	S	S
500 to 749 lb	S	S	S	37	S	4	S	S	S	S
750 to 999 lb	—	S	S	S	—	4	—	S	S	S
1,000 to 9,999 lb	24	1 807	29	15	22	1 745	16	S	S	S
10,000 to 49,999 lb	1 057	151 337	4 574	28	936	138 808	2 952	64	9 031	759
50,000 to 99,999 lb	445	57 922	1 615	28	395	53 251	1 114	36	3 831	343
100,000 lb or more	429	55 620	1 173	S	381	53 724	593	17	S	109
SCTG 13, Nonmetallic minerals n.e.c.	1 408	43 016	3 153	106	512	31 169	753	152	6 482	582
Less than 50 lb	5	1	—	169	3	—	—	S	S	S
50 to 99 lb	S	2	—	131	S	S	S	S	S	S
100 to 499 lb	34	17	4	210	12	12	—	S	1	—
500 to 749 lb	S	S	1	S	S	S	S	S	S	S
750 to 999 lb	37	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	209	536	53	126	60	406	5	9	19	2
10,000 to 49,999 lb	820	17 488	1 527	87	232	13 383	336	93	1 278	129
50,000 to 99,999 lb	134	10 655	784	77	79	6 992	238	26	S	S
100,000 lb or more	91	14 263	779	190	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	984	2 150	S	422	218	981	23	88	S	S
Less than 50 lb	S	S	S	426	S	S	S	S	S	S
50 to 99 lb	S	S	S	392	S	S	—	S	S	S
100 to 499 lb	S	S	S	402	S	S	S	S	S	S
500 to 749 lb	9	2	—	185	S	S	S	S	S	S
750 to 999 lb	S	S	S	497	S	S	S	S	S	S
1,000 to 9,999 lb	159	68	18	292	22	S	1	S	S	S
10,000 to 49,999 lb	493	741	S	756	S	187	5	S	39	4
50,000 to 99,999 lb	116	1 065	S	325	53	718	15	S	S	S
100,000 lb or more	89	261	112	437	S	38	2	—	—	—
SCTG 15, Coal	3 241	111 118	21 262	52	1 867	59 672	1 107	302	11 943	1 377
Less than 50 lb	S	S	S	282	—	—	—	—	—	—
50 to 99 lb	S	S	S	259	—	—	—	—	—	—
100 to 499 lb	S	S	S	7	S	S	S	—	—	—
500 to 749 lb	S	S	S	45	S	S	S	S	S	S
750 to 999 lb	S	S	S	19	S	S	S	—	—	—
1,000 to 9,999 lb	43	317	6	18	40	292	3	S	S	S
10,000 to 49,999 lb	1 060	23 045	1 297	52	862	18 705	405	73	2 065	193
50,000 to 99,999 lb	184	6 726	388	S	135	5 376	97	S	S	52
100,000 lb or more	1 954	81 028	19 571	119	830	35 297	602	211	9 323	1 130
SCTG 17, Gasoline and aviation turbine fuel	21 424	82 472	S	32	18 053	68 529	1 219	1 739	6 653	555
Less than 50 lb	S	S	S	17	S	S	S	—	—	—
50 to 99 lb	S	S	S	14	S	S	S	S	S	S
100 to 499 lb	14	S	—	S	S	S	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	1	1	—
750 to 999 lb	13	19	—	20	11	19	—	S	S	S
1,000 to 9,999 lb	797	1 594	57	31	630	1 355	26	66	138	14
10,000 to 49,999 lb	3 476	12 603	507	42	2 994	10 511	219	352	1 508	138
50,000 to 99,999 lb	10 738	38 050	1 448	39	9 553	33 431	826	960	3 532	277
100,000 lb or more	6 365	30 122	S	S	4 829	23 130	147	S	S	S
SCTG 18, Fuel oils	13 200	68 533	3 279	24	10 330	51 433	742	1 816	11 087	1 145
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	21	S	S	S	S	S	S
100 to 499 lb	S	151	S	22	S	149	S	1	1	—
500 to 749 lb	99	310	5	16	97	307	5	1	3	—
750 to 999 lb	157	505	7	15	154	499	7	3	S	S
1,000 to 9,999 lb	1 704	5 492	118	18	1 537	5 245	88	105	180	18
10,000 to 49,999 lb	3 433	18 159	827	42	2 704	13 621	203	584	S	S
50,000 to 99,999 lb	4 181	24 010	1 196	48	3 289	18 216	384	746	4 875	459
100,000 lb or more	3 544	19 898	1 123	76	2 468	13 389	51	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	9 015	94 605	3 824	60	6 119	84 000	1 272	921	3 473	341
Less than 50 lb	38	11	1	41	34	10	—	1	—	—
50 to 99 lb	S	15	S	387	18	12	—	1	—	—
100 to 499 lb	231	161	11	76	172	147	3	11	5	—
500 to 749 lb	97	87	5	S	50	79	2	11	4	—
750 to 999 lb	96	118	6	51	71	102	2	S	S	S
1,000 to 9,999 lb	819	1 840	81	45	580	1 650	27	100	101	9
10,000 to 49,999 lb	3 898	56 283	1 669	27	2 498	51 475	720	525	2 369	232
50,000 to 99,999 lb	947	15 917	464	30	738	14 656	243	106	706	68
100,000 lb or more	2 812	20 175	1 580	160	1 956	15 869	275	S	S	S
SCTG 20, Basic chemicals	18 978	17 568	6 345	334	5 722	7 435	195	1 462	2 018	189
Less than 50 lb	1 386	31	13	483	423	16	—	70	1	—
50 to 99 lb	501	38	8	203	S	29	S	16	2	—
100 to 499 lb	1 514	287	51	181	535	213	5	60	15	1
500 to 749 lb	409	178	26	145	146	132	3	27	16	1
750 to 999 lb	290	98	21	206	73	66	2	46	10	1
1,000 to 9,999 lb	6 132	2 624	487	171	1 952	1 643	34	536	300	27
10,000 to 49,999 lb	6 889	8 760	2 485	284	1 850	3 681	119	642	1 334	115
50,000 to 99,999 lb	213	459	78	S	45	S	S	S	105	10
100,000 lb or more	1 645	5 093	3 176	518	S	1 396	S	S	S	S
SCTG 21, Pharmaceutical products	70 647	1 966	828	658	16 709	S	17	9 167	204	20
Less than 50 lb	27 299	207	117	674	5 700	64	2	2 683	23	2
50 to 99 lb	6 643	90	43	499	1 824	21	1	968	16	2
100 to 499 lb	14 793	247	100	395	2 851	66	2	2 877	66	S
500 to 749 lb	2 601	65	31	477	626	22	1	255	8	1
750 to 999 lb	3 973	41	20	480	373	13	—	S	S	S
1,000 to 9,999 lb	8 003	336	161	441	3 347	115	4	971	48	4
10,000 to 49,999 lb	7 271	895	301	384	1 983	S	S	1 244	36	3
50,000 to 99,999 lb	S	S	S	768	S	S	S	—	—	—
100,000 lb or more	S	S	S	581	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	976	3 646	456	139	413	1 945	S	197	S	S
Less than 50 lb	S	1	S	320	1	—	—	S	S	S
50 to 99 lb	3	S	S	200	1	S	S	S	S	S
100 to 499 lb	11	9	S	171	7	7	—	1	1	—
500 to 749 lb	22	17	2	S	S	S	S	1	1	—
750 to 999 lb	8	6	S	136	2	1	S	S	S	S
1,000 to 9,999 lb	309	624	58	101	133	407	10	S	S	S
10,000 to 49,999 lb	595	2 775	S	117	S	S	S	97	S	S
50,000 to 99,999 lb	16	163	S	111	7	S	S	S	S	S
100,000 lb or more	S	S	S	609	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	45 205	9 790	4 951	411	12 664	2 881	87	2 807	993	85
Less than 50 lb	4 437	121	49	439	1 492	58	1	470	13	1
50 to 99 lb	1 705	87	32	355	707	47	1	88	7	1
100 to 499 lb	7 384	485	159	301	2 184	253	6	419	42	4
500 to 749 lb	2 352	214	75	349	634	96	2	77	20	2
750 to 999 lb	1 870	203	89	436	426	71	2	103	21	2
1,000 to 9,999 lb	15 700	2 115	1 022	486	3 537	727	23	783	227	21
10,000 to 49,999 lb	10 634	5 404	2 630	476	3 614	1 505	48	813	613	49
50,000 to 99,999 lb	248	176	103	513	S	S	S	S	S	S
100,000 lb or more	874	984	792	932	S	S	S	S	S	S
SCTG 24, Plastics and rubber	50 718	31 279	11 725	401	14 696	9 795	322	5 234	5 614	482
Less than 50 lb	4 356	170	66	442	1 480	83	2	433	17	2
50 to 99 lb	1 704	147	55	383	2 665	79	2	195	19	2
100 to 499 lb	6 669	956	289	298	3 056	549	12	630	108	10
500 to 749 lb	2 095	398	138	342	5 781	214	5	191	34	3
750 to 999 lb	1 405	292	100	342	436	135	3	185	39	4
1,000 to 9,999 lb	18 020	5 404	2 141	387	5 345	2 060	62	2 331	687	65
10,000 to 49,999 lb	14 451	7 632	4 867	609	2 198	1 315	39	1 118	705	68
50,000 to 99,999 lb	409	699	187	292	S	211	S	S	S	S
100,000 lb or more	1 610	15 582	3 883	S	S	S	S	S	3 673	304
SCTG 25, Logs and other wood in the rough	1 082	22 862	S	S	410	S	287	S	S	S
Less than 50 lb	S	—	S	681	S	S	S	S	S	S
50 to 99 lb	S	S	S	13	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	—	S	S	S
500 to 749 lb	1	—	—	20	1	—	—	S	S	S
750 to 999 lb	1	S	S	43	S	S	S	S	S	S
1,000 to 9,999 lb	S	156	13	77	33	93	3	28	39	4
10,000 to 49,999 lb	382	3 493	260	72	137	2 296	73	S	S	S
50,000 to 99,999 lb	S	S	S	108	S	S	185	S	S	S
100,000 lb or more	49	S	S	305	S	S	S	S	S	S
SCTG 26, Wood products	13 545	29 227	5 141	288	5 778	17 528	472	2 228	4 435	417
Less than 50 lb	511	34	11	461	152	13	—	92	6	1
50 to 99 lb	286	40	8	206	179	25	1	51	7	1
100 to 499 lb	1 433	235	42	166	778	139	4	279	46	4
500 to 749 lb	499	126	20	151	278	80	2	90	21	2
750 to 999 lb	378	106	17	160	198	67	2	51	17	1
1,000 to 9,999 lb	3 884	2 441	261	115	2 114	1 590	39	683	454	41
10,000 to 49,999 lb	5 217	15 649	2 591	145	1 638	9 314	242	792	1 906	187
50,000 to 99,999 lb	880	8 460	766	97	374	5 752	158	159	1 743	161
100,000 lb or more	458	2 136	1 424	666	68	549	25	31	235	19
SCTG 27, Pulp, newsprint, paper, and paperboard	21 621	21 662	11 462	121	5 514	6 137	145	1 933	1 682	161
Less than 50 lb	292	46	4	S	171	40	1	16	2	—
50 to 99 lb	186	42	4	83	145	35	1	S	3	—
100 to 499 lb	926	337	30	88	663	270	6	89	37	3
500 to 749 lb	361	158	15	95	257	129	3	28	12	1
750 to 999 lb	345	173	22	124	238	137	3	25	14	1
1,000 to 9,999 lb	3 786	2 267	510	184	1 851	1 347	33	398	262	24
10,000 to 49,999 lb	13 402	14 611	7 435	487	1 905	2 917	73	1 329	1 238	118
50,000 to 99,999 lb	348	S	213	S	S	S	S	S	S	S
100,000 lb or more	1 977	3 114	3 230	1 048	173	658	14	22	110	12
SCTG 28, Paper or paperboard articles	20 358	11 927	3 177	304	7 792	5 358	138	2 720	1 858	173
Less than 50 lb	1 158	86	30	443	530	48	1	73	7	1
50 to 99 lb	505	81	13	159	334	62	1	36	6	1
100 to 499 lb	2 078	537	75	138	1 235	386	9	204	58	5
500 to 749 lb	716	264	34	130	426	186	4	94	38	4
750 to 999 lb	530	205	26	125	313	135	3	67	29	2
1,000 to 9,999 lb	5 624	3 146	762	214	2 440	1 689	44	904	581	56
10,000 to 49,999 lb	9 541	6 880	2 035	263	2 424	2 480	65	1 333	1 032	94
50,000 to 99,999 lb	29	216	34	S	14	S	3	S	S	S
100,000 lb or more	S	512	S	268	S	220	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	95 381	18 067	5 381	361	28 040	10 094	194	9 996	1 669	160
Less than 50 lb	16 192	1 355	357	370	5 606	1 026	19	771	35	3
50 to 99 lb	4 328	528	131	242	1 386	389	7	374	20	2
100 to 499 lb	20 342	1 880	S	290	5 052	1 140	18	S	S	S
500 to 749 lb	3 953	457	S	437	1 470	260	3	229	20	2
750 to 999 lb	S	555	S	746	S	213	3	150	18	2
1,000 to 9,999 lb	S	5 234	1 562	358	7 710	2 631	51	4 307	668	65
10,000 to 49,999 lb	9 505	5 499	1 811	299	4 125	2 435	55	1 273	638	61
50,000 to 99,999 lb	S	S	S	128	S	S	S	S	S	S
100,000 lb or more	S	1 066	108	172	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	67 955	4 788	3 010	797	14 654	1 343	28	4 829	384	35
Less than 50 lb	16 021	394	355	811	2 296	56	1	996	25	2
50 to 99 lb	4 101	176	140	800	789	38	1	340	17	1
100 to 499 lb	11 818	638	405	668	2 718	202	4	1 041	71	7
500 to 749 lb	3 630	245	115	478	1 016	108	2	234	24	2
750 to 999 lb	2 685	158	87	548	883	64	2	114	13	1
1,000 to 9,999 lb	20 352	1 673	1 077	663	4 712	507	12	1 656	156	13
10,000 to 49,999 lb	9 012	1 385	772	539	2 158	346	6	435	73	7
50,000 to 99,999 lb	144	S	S	689	S	S	S	—	—	—
100,000 lb or more	192	72	S	345	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	19 698	114 276	10 139	760	7 413	86 049	1 713	2 374	12 457	1 140
Less than 50 lb	1 404	58	55	1 216	315	17	—	S	3	—
50 to 99 lb	377	48	16	329	183	29	1	29	4	—
100 to 499 lb	1 447	293	74	267	500	180	4	139	31	3
500 to 749 lb	401	128	24	193	166	89	2	S	13	1
750 to 999 lb	370	128	32	253	133	75	1	32	S	1
1,000 to 9,999 lb	4 012	4 477	786	208	1 718	3 259	65	307	308	28
10,000 to 49,999 lb	9 449	61 218	5 869	97	3 312	46 060	956	982	5 039	467
50,000 to 99,999 lb	1 545	26 251	2 032	80	735	16 783	363	539	6 430	585
100,000 lb or more	692	S	1 250	S	S	S	S	S	S	54
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	54 020	40 772	18 656	297	11 107	11 122	232	4 983	4 020	370
Less than 50 lb	1 420	59	19	338	525	33	1	166	7	1
50 to 99 lb	854	68	15	214	395	42	1	116	9	1
100 to 499 lb	3 617	490	101	219	1 619	316	7	372	52	5
500 to 749 lb	1 087	202	40	199	504	123	3	119	26	2
750 to 999 lb	1 071	244	S	525	394	118	3	115	32	3
1,000 to 9,999 lb	10 114	3 930	1 204	282	2 843	1 755	42	1 199	598	53
10,000 to 49,999 lb	28 008	23 485	8 866	391	3 796	6 879	108	2 489	2 503	234
50,000 to 99,999 lb	2 028	3 144	1 123	348	293	889	14	330	568	50
100,000 lb or more	5 821	9 150	7 150	636	738	966	55	77	225	21
SCTG 33, Articles of base metal	36 599	15 208	5 867	399	11 666	4 135	116	4 359	2 497	233
Less than 50 lb	6 565	195	97	420	2 714	98	2	685	16	1
50 to 99 lb	2 037	133	44	330	1 909	72	1	183	12	1
100 to 499 lb	5 583	624	214	329	2 236	296	6	618	87	8
500 to 749 lb	1 317	211	87	414	395	83	2	90	25	2
750 to 999 lb	1 234	203	69	335	593	97	2	87	24	2
1,000 to 9,999 lb	9 338	3 257	1 314	384	2 729	1 084	30	1 103	539	52
10,000 to 49,999 lb	9 280	8 154	2 578	303	1 898	1 926	63	1 498	1 464	138
50,000 to 99,999 lb	402	631	336	509	120	168	6	S	S	S
100,000 lb or more	843	1 800	1 127	485	S	311	S	S	S	S
SCTG 34, Machinery	63 823	5 365	2 315	314	16 703	1 921	48	6 478	471	42
Less than 50 lb	10 337	162	51	299	3 602	89	2	1 338	16	1
50 to 99 lb	3 662	100	33	328	1 014	55	1	526	10	1
100 to 499 lb	10 268	438	156	345	3 510	240	5	1 124	33	3
500 to 749 lb	3 480	193	95	498	707	71	1	194	16	2
750 to 999 lb	2 083	132	52	402	480	52	1	191	15	1
1,000 to 9,999 lb	14 933	1 277	615	466	3 237	383	9	1 264	133	13
10,000 to 49,999 lb	15 969	2 355	1 110	501	3 154	652	17	1 635	191	17
50,000 to 99,999 lb	1 770	456	105	S	847	264	7	91	16	1
100,000 lb or more	1 323	252	98	416	S	S	S	115	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	156 283	5 316	3 552	656	37 335	1 248	33	13 756	383	35
Less than 50 lb	51 966	347	192	679	13 116	157	3	7 175	25	2
50 to 99 lb	12 960	183	89	478	3 859	88	2	652	14	1
100 to 499 lb	35 935	702	377	525	10 323	298	6	1 953	45	4
500 to 749 lb	8 972	257	117	455	2 552	113	2	258	19	2
750 to 999 lb	4 895	143	81	561	797	41	1	415	17	2
1,000 to 9,999 lb	26 733	1 522	1 058	680	5 427	356	11	2 617	127	12
10,000 to 49,999 lb	14 557	2 089	1 575	750	1 175	183	7	676	129	12
50,000 to 99,999 lb	S	56	S	1 043	S	S	S	S	S	S
100,000 lb or more	S	S	S	365	S	S	S	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	48 300	6 999	2 596	189	15 827	2 380	54	8 835	1 023	90
Less than 50 lb	5 474	283	61	175	2 807	196	2	619	20	2
50 to 99 lb	1 911	158	33	215	976	99	2	299	17	2
100 to 499 lb	5 603	427	134	309	1 881	178	4	1 262	93	9
500 to 749 lb	1 595	151	36	240	717	82	2	229	23	2
750 to 999 lb	1 242	114	39	325	454	46	1	208	25	2
1,000 to 9,999 lb	15 928	2 227	517	210	7 085	1 046	22	3 675	461	42
10,000 to 49,999 lb	12 417	2 928	1 368	437	1 577	568	15	2 383	373	30
50,000 to 99,999 lb	1 850	338	199	554	284	119	4	S	S	S
100,000 lb or more	S	373	208	585	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	14 533	1 016	956	820	5 731	153	3	1 068	31	3
Less than 50 lb	4 793	10	9	818	1 301	2	—	647	2	—
50 to 99 lb	1 223	5	4	798	S	1	S	20	S	S
100 to 499 lb	2 527	21	19	854	634	5	S	117	2	—
500 to 749 lb	267	8	6	772	S	S	S	25	S	S
750 to 999 lb	S	5	3	666	S	—	S	S	S	S
1,000 to 9,999 lb	731	93	73	827	28	5	S	S	S	S
10,000 to 49,999 lb	881	519	S	872	116	100	2	44	18	2
50,000 to 99,999 lb	346	121	125	1 023	S	S	S	S	S	S
100,000 lb or more	3 282	233	236	1 321	2 860	38	S	—	—	—
SCTG 38, Precision instruments and apparatus	39 348	578	440	772	8 621	122	3	2 373	51	5
Less than 50 lb	19 354	110	82	769	3 335	31	1	1 005	8	1
50 to 99 lb	4 234	35	28	791	1 097	7	—	155	2	—
100 to 499 lb	8 421	137	104	872	2 427	38	1	857	12	1
500 to 749 lb	1 377	32	18	587	591	7	—	S	S	S
750 to 999 lb	944	21	11	514	S	S	S	64	S	S
1,000 to 9,999 lb	3 986	131	118	806	755	28	1	127	13	1
10,000 to 49,999 lb	1 032	112	79	738	S	S	S	57	7	1
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12 310	1 983	871	446	4 174	655	16	1 388	247	23
Less than 50 lb	627	37	22	470	246	13	—	47	2	—
50 to 99 lb	402	35	15	444	188	18	—	27	3	—
100 to 499 lb	2 550	295	120	415	1 113	132	3	195	31	3
500 to 749 lb	899	129	62	475	316	50	1	87	15	1
750 to 999 lb	543	81	21	256	251	40	1	61	10	1
1,000 to 9,999 lb	4 729	803	347	407	1 422	257	6	767	129	12
10,000 to 49,999 lb	2 498	567	276	500	599	127	3	203	47	4
50,000 to 99,999 lb	49	23	S	300	S	S	S	S	S	S
100,000 lb or more	S	S	S	46	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	90 809	S	6 506	830	23 104	S	153	7 759	1 846	167
Less than 50 lb	35 685	537	421	850	8 624	96	2	2 002	30	3
50 to 99 lb	5 195	201	143	696	1 533	63	1	307	16	2
100 to 499 lb	13 716	774	472	612	3 905	253	7	908	74	7
500 to 749 lb	2 868	269	154	562	634	82	2	283	31	3
750 to 999 lb	1 939	192	110	572	308	54	2	183	20	2
1,000 to 9,999 lb	14 784	2 644	1 313	504	3 428	975	26	1 361	256	24
10,000 to 49,999 lb	15 226	7 327	2 202	290	4 279	3 120	70	S	S	S
50,000 to 99,999 lb	536	901	S	224	198	S	S	S	95	10
100,000 lb or more	861	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	6 651	28 621	7 715	154	2 145	13 257	392	631	3 099	288
Less than 50 lb	S	S	S	191	S	S	S	S	S	S
50 to 99 lb	S	S	S	295	S	S	S	S	S	S
100 to 499 lb	S	4	1	259	S	2	—	S	S	S
500 to 749 lb	12	S	S	S	S	S	S	S	S	S
750 to 999 lb	6	S	—	S	S	S	—	S	S	S
1,000 to 9,999 lb	331	381	25	S	215	337	S	24	19	2
10,000 to 49,999 lb	4 461	18 187	2 781	149	1 465	9 208	287	490	2 132	193
50,000 to 99,999 lb	440	2 020	410	173	141	1 138	29	37	287	23
100,000 lb or more	1 353	8 016	4 496	340	310	2 562	70	77	661	71
SCTG 43, Mixed freight.....	28 792	13 586	1 767	151	14 970	7 856	230	5 753	2 882	262
Less than 50 lb	1 128	89	15	181	620	46	1	100	10	1
50 to 99 lb	559	68	10	149	298	43	1	38	4	—
100 to 499 lb	2 078	562	61	123	1 203	366	8	340	79	7
500 to 749 lb	719	285	20	71	399	190	5	138	62	6
750 to 999 lb	843	289	24	83	419	185	4	131	62	6
1,000 to 9,999 lb	7 646	3 726	449	111	3 915	2 089	62	1 687	828	78
10,000 to 49,999 lb	15 438	8 256	1 130	127	7 901	4 725	142	3 318	1 838	164
50,000 to 99,999 lb	S	74	S	703	S	S	S	—	—	—
100,000 lb or more	S	S	S	76	S	S	S	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	6 033	2 649	1 182	720	2 268	1 348	42	344	205	18
Less than 50 lb	728	13	9	876	163	5	—	33	1	—
50 to 99 lb	283	10	5	495	82	5	—	15	1	—
100 to 499 lb	1 528	61	23	389	S	37	1	38	S	S
500 to 749 lb	118	26	3	S	65	18	—	6	S	S
750 to 999 lb	88	31	4	S	53	25	S	3	1	—
1,000 to 9,999 lb	1 521	582	125	220	518	305	6	175	100	9
10,000 to 49,999 lb	1 574	1 327	674	427	336	637	S	67	S	S
50,000 to 99,999 lb	31	110	7	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	230	S	S	S	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	192 015	136 106	32 030	128 883	58 568	27 844	99 136	28 811	22 994	71 326	19 203	21 009
Less than 50 lb	29 927	479	102	22 638	311	139	18 007	286	214	13 707	249	253
50 to 99 lb	7 700	254	53	4 886	135	61	4 448	113	86	3 367	100	103
100 to 499 lb	26 736	1 374	283	13 955	692	306	10 438	507	382	12 366	477	486
500 to 749 lb	7 776	620	130	3 984	287	127	3 702	218	164	2 613	161	168
750 to 999 lb	4 859	520	102	4 789	353	154	2 892	243	176	4 588	123	125
1,000 to 9,999 lb	52 369	10 767	2 183	26 187	4 596	1 989	22 496	3 112	2 322	14 846	1 932	1 967
10,000 to 49,999 lb	53 846	58 615	11 988	45 322	32 228	13 757	33 317	16 600	12 470	16 502	8 503	8 571
50,000 to 99,999 lb	3 142	14 717	2 728	2 200	4 543	S	1 147	1 050	826	617	511	508
100,000 lb or more	5 660	48 760	14 461	4 924	15 423	8 991	2 689	6 682	6 355	2 721	7 146	8 829
SCTG 01, Live animals and live fish	25	16	4	14	12	7	62	66	53	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	2	1	—	2	S	—	S	S	S	—	—	—
500 to 749 lb	1	1	—	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	—	S	S	S	—	—	—
10,000 to 49,999 lb	10	10	2	S	S	S	20	22	18	S	S	S
50,000 to 99,999 lb	2	2	1	S	S	S	S	19	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	S	S	S
SCTG 02, Cereal grains	35	125	30	S	70	36	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	25	62	12	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	3	26	5	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 03, Other agricultural products	1 089	2 031	428	465	836	338	126	103	76	115	131	126
Less than 50 lb	S	1	—	16	1	—	S	S	S	S	S	S
50 to 99 lb	12	1	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	48	14	3	S	S	S	5	1	2	2	1	1
500 to 749 lb	S	7	1	S	S	S	S	S	S	S	S	S
750 to 999 lb	11	5	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	295	193	36	161	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	368	680	126	208	522	204	69	69	52	77	95	91
50,000 to 99,999 lb	265	1 007	230	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	750	1 403	280	572	516	217	93	96	74	45	56	60
Less than 50 lb	S	S	S	24	1	1	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	—	S	S	S	S	S	S
1,000 to 9,999 lb	131	172	28	S	16	7	S	2	1	S	S	S
10,000 to 49,999 lb	450	1 021	205	412	491	206	65	78	60	34	47	49
50,000 to 99,999 lb	89	122	27	S	S	S	S	S	S	—	—	—
100,000 lb or more	31	72	17	—	—	—	—	—	—	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	3 147	1 224	231	2 108	620	268	747	249	196	836	228	239
Less than 50 lb	10	1	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	14	2	—	8	1	—	S	S	S	S	S	S
100 to 499 lb	120	29	5	S	8	3	17	2	2	S	S	S
500 to 749 lb	58	15	3	S	S	S	S	S	S	S	S	S
750 to 999 lb	76	17	3	35	5	2	S	S	1	6	1	1
1,000 to 9,999 lb	1 134	390	77	825	195	84	228	54	41	310	66	69
10,000 to 49,999 lb	1 626	723	133	1 117	404	174	480	189	151	481	155	163
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	3 360	2 498	492	1 925	1 562	660	1 179	718	554	556	320	328
Less than 50 lb	S	S	1	9	1	1	6	1	S	S	S	S
50 to 99 lb	4	1	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	112	36	7	18	7	3	S	S	S	S	S	S
500 to 749 lb	74	40	8	9	4	1	S	S	S	S	S	S
750 to 999 lb	59	43	8	10	2	1	S	S	S	S	S	S
1,000 to 9,999 lb	1 113	632	121	275	135	57	120	56	42	45	17	18
10,000 to 49,999 lb	1 758	1 344	271	1 541	1 211	505	1 026	648	501	492	291	299
50,000 to 99,999 lb	78	307	57	11	31	12	S	S	S	S	S	S
100,000 lb or more	S	92	20	48	171	80	—	—	—	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	13 347	10 499	2 122	5 283	3 921	1 645	3 647	2 360	1 801	2 563	1 575	1 582
Less than 50 lb	61	7	2	26	3	1	S	2	1	S	2	2
50 to 99 lb	S	5	1	24	2	1	S	S	S	S	1	1
100 to 499 lb	458	111	24	156	16	7	109	9	7	66	7	7
500 to 749 lb	150	74	S	S	15	7	S	10	7	S	S	S
750 to 999 lb	150	72	15	37	7	3	31	6	5	48	10	10
1,000 to 9,999 lb	3 619	1 700	330	1 274	349	146	620	167	125	290	75	76
10,000 to 49,999 lb	8 657	8 113	1 649	3 617	3 485	1 460	2 718	2 124	1 621	2 008	1 457	1 464
50,000 to 99,999 lb	154	360	70	40	33	13	21	25	18	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 08, Alcoholic beverages	1 310	1 852	425	1 027	1 426	621	950	1 110	848	511	597	596
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	6	S	S	S	S	S	S	S	—	—	—	—
100 to 499 lb	19	5	1	S	S	S	S	S	S	—	—	—
500 to 749 lb	2	1	S	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	10	11	3	S	S	S	S	4	3	S	S	S
10,000 to 49,999 lb	1 189	1 711	386	902	1 292	533	944	1 106	845	493	589	588
50,000 to 99,999 lb	64	101	29	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 09, Tobacco products	493	37	7	129	S	S	94	6	4	63	3	3
Less than 50 lb	44	—	—	S	—	—	13	—	—	13	—	—
50 to 99 lb	S	S	S	2	S	—	2	—	—	1	S	S
100 to 499 lb	114	3	1	35	1	1	23	1	1	19	1	1
500 to 749 lb	22	2	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	258	23	4	16	1	—	S	S	S	S	1	1
10,000 to 49,999 lb	16	7	2	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	92	300	57	26	S	S	6	23	17	5	17	17
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	1	—	—	1	—	—	—	—	—	—	—	—
500 to 749 lb	1	1	—	1	—	—	S	S	S	S	S	S
750 to 999 lb	1	—	—	1	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	16	10	2	6	7	3	S	1	1	S	S	S
10,000 to 49,999 lb	67	S	S	S	S	S	4	17	12	S	12	12
50,000 to 99,999 lb	S	S	4	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	S	2 603	510	S	S	S	S	S	S	4	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	1	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	7	2	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	156	S	S	S	S	S	S	S	9	8
50,000 to 99,999 lb	11	693	125	1	49	19	S	S	S	S	S	S
100,000 lb or more	S	983	226	S	S	S	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	59	3 867	702	19	894	347	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	35	2 867	496	13	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	14	786	134	1	54	24	—	—	—	—	—	—
100,000 lb or more	S	205	69	S	S	S	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	335	4 083	854	168	801	414	62	234	175	54	129	133
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	—	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	84	73	14	17	S	S	S	7	5	9	5	5
10,000 to 49,999 lb	210	1 965	417	S	491	216	44	174	126	29	110	114
50,000 to 99,999 lb	24	1 445	269	6	84	39	—	—	—	—	—	—
100,000 lb or more	10	599	154	S	S	S	S	S	S	S	S	11

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	228	290	82	297	374	172	29	30	21	40	33	33
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	17	6	3	5	2	1	S	1	1
10,000 to 49,999 lb	106	248	73	S	86	37	17	21	15	17	28	28
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	70	204	100	—	—	—	S	S	S
SCTG 15, Coal	741	27 584	9 441	224	8 307	5 219	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	81	1 554	321	29	558	222	10	114	S	S	S	S
50,000 to 99,999 lb	S	648	145	S	S	S	S	S	S	—	—	—
100,000 lb or more	636	25 380	8 975	190	7 664	4 969	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	869	3 904	790	9	38	14	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	101	100	17	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	118	533	90	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	194	941	175	7	29	11	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	962	5 468	1 040	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	1	1	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	56	62	10	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	92	571	110	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	953	5 172	1 003	622	1 504	653	110	174	147	64	58	S
Less than 50 lb	1	S	S	1	—	—	—	—	—	S	S	S
50 to 99 lb	S	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	7	3	1	11	2	1	5	1	3	3	1	1
500 to 749 lb	S	1	—	S	S	S	S	S	1	S	S	S
750 to 999 lb	4	3	1	S	1	S	3	1	1	S	S	S
1,000 to 9,999 lb	41	48	9	46	18	8	18	12	9	S	S	S
10,000 to 49,999 lb	338	1 560	292	S	759	299	51	65	52	7	9	9
50,000 to 99,999 lb	60	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	498	3 159	626	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	3 849	2 498	519	2 405	2 082	989	2 070	1 209	970	904	317	325
Less than 50 lb	170	3	1	S	S	S	109	1	1	76	1	1
50 to 99 lb	30	2	—	17	1	—	S	1	1	85	S	S
100 to 499 lb	240	19	4	S	16	7	69	6	5	54	4	4
500 to 749 lb	82	10	2	51	8	4	42	5	S	30	4	4
750 to 999 lb	17	5	1	S	5	3	57	4	3	S	S	S
1,000 to 9,999 lb	S	307	63	509	120	50	497	101	78	220	67	66
10,000 to 49,999 lb	1 161	1 525	288	1 060	1 020	431	1 003	499	375	381	208	215
50,000 to 99,999 lb	S	S	S	12	12	5	29	14	11	S	S	S
100,000 lb or more	158	579	152	264	895	488	213	578	494	S	S	S
SCTG 21, Pharmaceutical products	13 667	282	57	5 805	214	95	5 496	144	111	6 352	121	127
Less than 50 lb	5 050	43	9	3 481	19	8	2 169	13	11	1 436	12	13
50 to 99 lb	2 020	S	S	255	4	2	257	5	4	200	3	3
100 to 499 lb	2 992	46	8	1 072	18	8	413	S	S	756	7	7
500 to 749 lb	998	12	2	S	3	2	S	S	S	110	S	S
750 to 999 lb	283	7	1	40	3	1	34	2	1	S	S	S
1,000 to 9,999 lb	1 748	52	12	467	41	18	737	26	19	156	9	9
10,000 to 49,999 lb	562	71	15	336	103	44	1 625	69	54	763	68	71
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	201	S	S	S	S	S	33	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	4	S	1	—	—	—	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	44	62	12	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	16	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	6 228	1 696	354	5 808	1 449	648	5 869	927	713	3 980	661	669
Less than 50 lb	382	13	3	555	10	4	518	7	5	218	6	6
50 to 99 lb	136	10	2	137	7	3	S	4	3	49	2	2
100 to 499 lb	763	55	12	S	51	22	S	27	20	S	18	18
500 to 749 lb	304	39	8	S	21	9	81	15	11	28	6	7
750 to 999 lb	169	21	4	513	40	18	S	24	18	51	6	7
1,000 to 9,999 lb	S	316	68	1 319	231	100	S	196	146	1 724	141	142
10,000 to 49,999 lb	1 086	894	179	1 670	943	427	1 211	542	417	1 017	441	443
50,000 to 99,999 lb	S	S	S	33	22	10	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	124	55	S	S	92	S	S	S
SCTG 24, Plastics and rubber.....	7 989	8 519	S	6 112	2 040	892	5 654	1 810	1 347	3 116	957	979
Less than 50 lb	623	21	4	521	14	6	362	11	8	218	6	6
50 to 99 lb	244	15	3	157	7	3	73	6	4	68	4	4
100 to 499 lb	715	86	17	644	54	24	406	43	34	315	35	36
500 to 749 lb	231	37	8	233	31	14	239	28	22	136	20	21
750 to 999 lb	200	38	8	128	23	10	203	21	16	104	14	14
1,000 to 9,999 lb	2 917	914	190	1 994	512	226	1 981	556	409	958	214	218
10,000 to 49,999 lb	2 920	1 537	341	2 314	1 270	543	2 281	1 050	779	1 210	587	594
50,000 to 99,999 lb	44	54	S	S	S	S	S	S	S	54	27	29
100,000 lb or more	94	S	S	S	117	61	70	72	57	53	50	56
SCTG 25, Logs and other wood in the rough	S	S	S	S	S	S	S	16	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	159	32	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	14	S	35	22	S	S	S	S	S	—	—	—
SCTG 26, Wood products ..	2 462	3 605	725	1 107	1 403	633	599	826	629	410	480	494
Less than 50 lb	49	3	1	15	2	1	S	S	S	7	1	1
50 to 99 lb	28	4	1	9	1	1	3	—	—	3	—	—
100 to 499 lb	S	25	5	45	8	3	20	3	2	31	5	5
500 to 749 lb	54	13	3	22	5	2	8	2	1	S	S	S
750 to 999 lb	35	9	2	32	S	2	S	S	S	6	1	1
1,000 to 9,999 lb	589	239	45	229	74	33	62	22	16	81	30	30
10,000 to 49,999 lb	1 239	2 454	496	674	1 014	445	269	377	279	231	290	294
50,000 to 99,999 lb	187	596	120	58	150	65	25	113	86	S	S	S
100,000 lb or more	53	261	53	22	145	81	27	S	S	17	109	120
SCTG 27, Pulp, newsprint, paper, and paperboard ...	3 601	3 601	778	3 217	3 272	1 500	2 038	2 251	1 719	2 201	2 079	2 252
Less than 50 lb	11	1	—	5	1	—	4	—	—	6	—	—
50 to 99 lb	8	1	—	2	—	—	S	S	S	4	—	—
100 to 499 lb	48	13	3	34	5	2	14	3	2	14	2	2
500 to 749 lb	20	6	1	14	3	1	13	2	2	11	2	2
750 to 999 lb	28	6	1	13	3	1	15	3	2	12	3	3
1,000 to 9,999 lb	518	240	50	331	152	65	233	95	70	167	63	63
10,000 to 49,999 lb	2 872	3 106	662	2 452	2 682	1 178	1 577	1 855	1 384	1 331	1 186	1 155
50,000 to 99,999 lb	27	105	22	S	87	43	22	S	S	S	10	11
100,000 lb or more	69	121	38	265	338	208	154	231	207	640	814	1 015
SCTG 28, Paper or paperboard articles	3 739	2 046	420	2 249	952	407	1 676	876	655	772	332	336
Less than 50 lb	162	9	2	93	6	3	83	4	3	53	3	3
50 to 99 lb	34	4	1	25	3	1	12	1	1	S	S	S
100 to 499 lb	239	39	7	146	21	9	104	9	7	34	7	7
500 to 749 lb	67	18	4	46	8	3	S	5	4	20	3	3
750 to 999 lb	66	22	4	48	10	4	15	3	3	9	2	2
1,000 to 9,999 lb	863	416	82	564	148	64	248	81	60	169	67	68
10,000 to 49,999 lb	2 299	1 514	315	1 326	756	323	1 096	557	408	465	242	245
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	S	2 702	604	8 103	1 039	457	5 800	912	706	4 726	421	427
Less than 50 lb	2 527	77	17	1 440	44	19	946	31	23	1 169	32	33
50 to 99 lb	571	25	6	489	21	10	561	18	13	S	S	S
100 to 499 lb	S	245	51	835	61	29	825	48	35	S	S	S
500 to 749 lb	S	S	S	S	14	5	S	S	S	S	18	17
750 to 999 lb	122	25	5	S	S	S	S	S	S	43	5	6
1,000 to 9,999 lb	S	S	S	S	294	132	S	205	164	647	92	95
10,000 to 49,999 lb	1 490	1 051	214	856	486	210	508	389	298	473	135	136
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	9 817	740	161	8 116	573	265	7 683	504	375	6 273	314	312
Less than 50 lb	2 276	51	11	2 072	53	24	1 938	49	37	1 492	38	39
50 to 99 lb	429	22	5	302	12	6	396	13	10	455	18	18
100 to 499 lb	1 365	67	14	1 052	53	24	1 067	46	35	S	S	S
500 to 749 lb	688	32	6	377	15	8	429	18	14	263	13	14
750 to 999 lb	386	22	5	474	14	7	167	10	7	123	8	8
1,000 to 9,999 lb	3 191	228	47	2 064	154	70	2 625	165	121	1 240	79	80
10,000 to 49,999 lb	1 454	280	64	1 759	270	128	875	153	112	837	72	69
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	3 313	9 773	1 990	2 447	3 078	1 317	1 582	1 167	869	693	446	453
Less than 50 lb	204	6	1	183	6	3	101	4	3	58	3	3
50 to 99 lb	29	3	1	36	3	1	23	2	2	22	S	S
100 to 499 lb	179	25	5	224	17	7	115	15	12	103	6	7
500 to 749 lb	35	9	2	31	6	3	19	3	2	14	2	2
750 to 999 lb	18	4	1	45	7	3	S	S	S	S	1	1
1,000 to 9,999 lb	521	353	81	338	149	64	373	123	96	262	93	93
10,000 to 49,999 lb	2 059	5 918	1 185	1 495	2 518	1 080	816	792	584	187	259	265
50,000 to 99,999 lb	173	2 475	422	31	215	88	9	67	48	S	S	S
100,000 lb or more	96	S	S	64	157	68	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	9 312	7 027	1 618	12 354	7 357	3 414	6 944	3 969	3 082	3 769	S	S
Less than 50 lb	217	6	1	162	5	2	97	2	1	77	2	2
50 to 99 lb	106	7	2	52	4	2	38	2	1	39	1	2
100 to 499 lb	477	44	8	314	27	12	298	15	12	173	14	15
500 to 749 lb	127	17	4	141	15	7	87	7	5	40	6	6
750 to 999 lb	126	24	5	92	15	6	146	8	6	73	10	10
1,000 to 9,999 lb	1 756	561	117	1 553	395	173	1 040	225	162	555	119	124
10,000 to 49,999 lb	5 186	4 254	909	8 073	4 892	2 185	4 313	2 728	2 018	1 471	914	912
50,000 to 99,999 lb	543	700	150	S	471	190	179	195	160	S	123	115
100,000 lb or more	773	1 413	422	1 470	1 534	838	S	S	S	1 302	S	S
SCTG 33, Articles of base metal	6 125	3 630	828	4 597	2 270	983	2 927	932	693	2 317	532	562
Less than 50 lb	921	22	5	477	11	5	423	10	7	367	7	8
50 to 99 lb	232	16	3	157	8	4	158	8	6	125	6	6
100 to 499 lb	718	70	15	460	46	20	553	43	30	317	27	27
500 to 749 lb	292	35	8	155	17	7	135	17	13	56	9	9
750 to 999 lb	171	29	6	133	16	7	56	9	6	71	8	8
1,000 to 9,999 lb	1 452	601	125	1 246	392	167	622	189	141	936	143	145
10,000 to 49,999 lb	2 025	2 197	444	1 737	1 446	613	909	481	351	384	261	268
50,000 to 99,999 lb	58	72	15	S	111	S	28	57	44	S	S	S
100,000 lb or more	S	S	S	159	S	106	S	S	S	57	S	S
SCTG 34, Machinery	9 853	856	181	8 983	814	321	5 376	456	336	5 169	264	271
Less than 50 lb	1 478	19	4	874	12	5	776	8	7	540	5	6
50 to 99 lb	605	11	2	257	6	3	281	5	4	292	5	6
100 to 499 lb	1 149	46	10	872	30	13	711	26	20	963	21	23
500 to 749 lb	873	40	9	230	16	7	296	12	9	271	9	10
750 to 999 lb	393	23	5	178	12	5	126	10	7	S	6	6
1,000 to 9,999 lb	2 342	242	54	2 478	166	66	1 374	104	77	1 494	92	96
10,000 to 49,999 lb	2 243	379	83	3 703	493	189	1 623	261	188	1 065	117	117
50,000 to 99,999 lb	S	74	10	257	51	20	81	S	S	S	S	S
100,000 lb or more	S	23	5	S	29	13	S	11	8	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	22 935	809	174	15 758	792	335	16 352	798	617	11 224	335	349
Less than 50 lb	6 596	40	9	4 857	28	13	3 470	23	18	3 146	16	16
50 to 99 lb	1 574	18	4	1 506	17	7	745	10	7	911	8	8
100 to 499 lb	5 381	84	19	2 851	63	28	2 446	53	41	3 335	46	50
500 to 749 lb	S	36	8	940	20	9	S	27	22	586	11	12
750 to 999 lb	1 623	27	6	383	15	8	289	10	8	310	11	11
1,000 to 9,999 lb	3 734	245	52	3 293	172	76	2 862	182	135	2 476	127	133
10,000 to 49,999 lb	2 303	349	74	1 903	456	187	5 278	490	382	459	115	118
50,000 to 99,999 lb	13	7	1	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	5 951	845	182	7 413	1 289	596	4 401	683	500	2 011	292	312
Less than 50 lb	704	27	6	259	9	4	253	8	6	197	6	6
50 to 99 lb	246	20	4	108	6	3	105	7	6	60	3	3
100 to 499 lb	808	56	12	536	35	14	239	15	12	343	22	24
500 to 749 lb	261	18	3	109	9	4	95	5	4	59	6	6
750 to 999 lb	138	13	2	S	S	S	S	5	4	S	3	3
1,000 to 9,999 lb	1 769	260	50	1 148	149	63	981	154	114	554	72	75
10,000 to 49,999 lb	1 895	424	99	3 110	793	342	1 471	316	227	677	172	187
50,000 to 99,999 lb	S	S	S	S	83	S	S	53	39	S	S	9
100,000 lb or more	S	S	S	S	193	108	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	1 528	134	31	1 015	S	S	914	S	S	691	43	45
Less than 50 lb	634	1	—	330	1	—	261	1	1	244	—	—
50 to 99 lb	75	—	S	31	—	—	S	S	S	S	—	—
100 to 499 lb	191	1	—	S	2	1	S	S	S	76	1	1
500 to 749 lb	35	1	—	S	S	1	S	S	—	10	1	1
750 to 999 lb	S	1	—	18	1	—	S	—	—	S	S	S
1,000 to 9,999 lb	178	21	4	121	18	7	49	5	4	112	16	15
10,000 to 49,999 lb	158	61	14	125	65	30	S	S	S	47	11	12
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	4 613	72	16	5 294	75	33	4 661	102	77	2 711	30	30
Less than 50 lb	2 367	13	3	2 572	12	6	2 251	12	9	1 599	8	8
50 to 99 lb	379	5	1	488	6	3	646	4	3	220	2	2
100 to 499 lb	836	17	4	773	13	6	813	13	10	571	10	10
500 to 749 lb	110	4	1	199	3	2	64	2	2	51	1	1
750 to 999 lb	52	S	S	152	3	1	63	1	1	S	S	S
1,000 to 9,999 lb	639	13	3	943	21	9	572	16	12	187	5	6
10,000 to 49,999 lb	230	17	4	S	S	S	251	54	41	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	2 420	438	85	1 343	194	87	593	109	83	873	130	135
Less than 50 lb	95	S	S	40	2	1	44	2	2	36	2	2
50 to 99 lb	71	4	1	28	2	1	22	2	2	12	1	1
100 to 499 lb	460	43	8	186	23	10	134	18	13	104	13	13
500 to 749 lb	126	19	4	67	8	4	83	10	7	53	7	8
750 to 999 lb	86	14	3	61	7	3	13	2	1	26	3	3
1,000 to 9,999 lb	859	156	31	476	78	34	193	42	33	501	66	68
10,000 to 49,999 lb	717	188	36	476	72	33	104	33	26	140	37	39
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products	13 629	2 197	440	10 879	1 109	497	9 214	960	717	6 295	603	613
Less than 50 lb	4 895	69	14	4 197	57	26	3 909	86	61	2 644	S	S
50 to 99 lb	606	27	6	707	17	8	674	20	15	258	13	13
100 to 499 lb	1 720	99	20	1 767	77	35	1 124	67	50	976	62	64
500 to 749 lb	358	32	7	503	42	19	191	20	14	190	16	17
750 to 999 lb	325	33	7	315	24	11	220	21	16	134	11	12
1,000 to 9,999 lb	2 278	405	84	1 445	259	116	1 765	217	159	1 385	198	198
10,000 to 49,999 lb	3 022	1 337	258	1 826	543	248	1 265	453	343	672	179	185
50,000 to 99,999 lb	87	82	17	42	29	13	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	1 397	6 135	1 399	994	2 815	1 251	593	S	S	485	999	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	—	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	2	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	11	2	15	6	3	S	S	S	S	S	S
10,000 to 49,999 lb	1 181	4 934	1 130	681	1 315	551	S	283	205	159	197	203
50,000 to 99,999 lb	S	333	64	29	106	46	S	S	S	S	S	S
100,000 lb or more	83	856	203	236	1 387	651	S	S	S	S	S	S
SCTG 43, Mixed freight	4 296	1 834	334	1 079	461	190	694	221	168	S	73	76
Less than 50 lb	253	22	4	108	8	3	S	S	S	7	S	S
50 to 99 lb	104	14	3	31	4	1	S	—	—	S	S	S
100 to 499 lb	270	72	14	74	26	11	100	8	6	S	S	S
500 to 749 lb	S	27	5	25	4	1	S	S	S	S	S	S
750 to 999 lb	91	35	6	4	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	1 361	612	108	217	90	37	S	24	18	S	19	20
10,000 to 49,999 lb	1 992	983	184	613	325	133	307	186	143	S	48	50
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	957	272	62	524	158	68	496	146	113	426	107	112
Less than 50 lb	115	1	—	139	2	1	26	1	—	56	1	1
50 to 99 lb	29	1	—	S	1	—	S	S	S	S	S	S
100 to 499 lb	S	6	1	16	1	1	44	2	1	S	2	2
500 to 749 lb	S	3	1	7	S	1	S	S	S	S	S	S
750 to 999 lb	17	S	—	S	S	S	S	—	—	S	S	S
1,000 to 9,999 lb	362	S	S	146	S	S	S	S	S	122	S	S
10,000 to 49,999 lb	273	149	33	152	95	40	298	112	87	147	79	80
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	75 740	18 528	26 309	27 104	3 630	7 319	78 528	9 624	27 236
Less than 50 lb	20 193	252	351	8 392	78	153	24 079	278	786
50 to 99 lb	4 841	126	176	1 609	44	87	5 282	102	285
100 to 499 lb	13 713	468	653	4 627	135	266	14 583	416	1 184
500 to 749 lb	2 701	184	261	1 597	52	103	2 780	153	426
750 to 999 lb	1 601	114	158	654	44	85	3 376	222	617
1,000 to 9,999 lb	13 760	1 902	2 623	5 701	562	1 086	14 699	1 844	5 009
10,000 to 49,999 lb	14 728	7 317	10 185	4 032	1 700	3 349	11 870	4 678	13 146
50,000 to 99,999 lb	906	747	1 087	127	148	298	527	605	1 615
100,000 lb or more	3 298	7 418	10 816	364	S	S	1 331	1 326	4 167
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	S	S	S	—	—	—
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	S	S	S	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 03, Other agricultural products	134	130	149	9	S	S	S	S	S
Less than 50 lb	4	S	S	1	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	1	—	1
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	16	7	10	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	123	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	62	65	89	24	12	26	336	103	320
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	31	49	69	S	9	19	60	45	132
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	886	341	491	241	103	194	461	151	426
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	14	1	3
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	7	2	4	S	S	S	2	—	1
1,000 to 9,999 lb	239	75	106	49	16	31	121	31	87
10,000 to 49,999 lb	546	247	360	178	86	159	305	114	323
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	638	423	603	147	75	149	594	435	1 240
Less than 50 lb	S	—	—	S	S	S	4	—	1
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	1	—	1
1,000 to 9,999 lb	71	30	41	11	S	S	65	29	94
10,000 to 49,999 lb	552	372	530	134	65	129	460	298	831
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	2 502	1 380	1 840	481	194	371	1 494	696	1 944
Less than 50 lb	S	S	S	S	S	S	16	1	3
50 to 99 lb	S	1	1	S	S	S	S	—	1
100 to 499 lb	S	11	15	6	1	2	106	11	30
500 to 749 lb	39	7	10	S	S	S	25	5	13
750 to 999 lb	S	S	S	S	1	3	41	6	17
1,000 to 9,999 lb	472	146	195	59	18	35	374	78	217
10,000 to 49,999 lb	1 674	1 175	1 569	316	163	310	885	544	1 516
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 08, Alcoholic beverages	414	373	532	21	16	31	113	89	260
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	6	5	7	S	S	S	S	S	S
10,000 to 49,999 lb	359	292	383	S	15	28	77	83	241
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 09, Tobacco products	99	6	7	31	1	2	109	4	11
Less than 50 lb	S	—	—	S	—	—	15	—	1
50 to 99 lb	3	—	—	S	S	S	S	—	1
100 to 499 lb	S	1	2	4	—	—	21	1	2
500 to 749 lb	19	1	1	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	51	S	7
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	6	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	6	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	2	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	28	58	94	39	27	53	58	33	95
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	3	1	1	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	2	4	S	S	S
10,000 to 49,999 lb	S	36	60	30	21	41	55	31	89
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	2	17	28	S	S	S	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	17	14	19	2	S	S	65	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	12	8	11	2	S	S	37	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 15, Coal	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	177	S	S	S	S	S	40	17	46
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	1	1	S	S	S	S	1	3
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	16	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	3	6	14
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	1 403	1 673	2 308	280	143	305	883	193	544
Less than 50 lb	131	3	4	30	—	—	231	1	4
50 to 99 lb	S	1	1	S	—	—	65	1	2
100 to 499 lb	S	S	S	20	1	2	78	4	10
500 to 749 lb	11	1	2	5	—	1	15	2	5
750 to 999 lb	6	1	1	S	S	S	10	2	7
1,000 to 9,999 lb	184	47	68	82	13	26	206	27	76
10,000 to 49,999 lb	428	260	381	127	127	S	238	105	291
50,000 to 99,999 lb	40	10	16	S	S	S	S	S	S
100,000 lb or more	397	S	S	—	—	—	38	45	132
SCTG 21, Pharmaceutical products	4 959	95	130	3 065	15	29	5 427	88	241
Less than 50 lb	2 815	14	20	1 221	4	9	2 744	15	43
50 to 99 lb	490	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	3	6	S	10	29
500 to 749 lb	64	2	3	S	S	S	S	2	6
750 to 999 lb	S	S	S	S	S	S	S	2	6
1,000 to 9,999 lb	162	18	24	S	3	6	S	S	S
10,000 to 49,999 lb	106	25	33	4	S	S	649	26	70
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—
100 to 499 lb	—	—	—	S	—	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	2 702	554	779	S	73	142	3 916	556	1 472
Less than 50 lb	338	6	9	107	2	4	358	5	15
50 to 99 lb	128	5	6	30	S	S	S	4	10
100 to 499 lb	S	17	24	103	7	14	S	15	38
500 to 749 lb	92	9	12	S	S	S	S	4	12
750 to 999 lb	S	8	11	67	6	13	71	5	14
1,000 to 9,999 lb	587	92	121	99	21	40	S	166	363
10,000 to 49,999 lb	418	169	233	54	29	56	750	269	778
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	212	230	333	—	—	—	S	S	S
SCTG 24, Plastics and rubber	3 468	1 174	1 828	967	232	454	3 482	1 138	3 419
Less than 50 lb	329	9	13	108	3	5	282	7	19
50 to 99 lb	104	6	8	68	3	5	129	8	23
100 to 499 lb	394	41	57	104	10	18	404	29	81
500 to 749 lb	121	17	23	29	6	12	133	11	31
750 to 999 lb	54	8	11	16	3	7	78	10	28
1,000 to 9,999 lb	1 104	198	276	269	46	90	1 120	217	604
10,000 to 49,999 lb	1 013	488	698	302	121	232	1 095	560	1 574
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 26, Wood products	478	578	767	120	97	S	362	275	803
Less than 50 lb	15	1	1	2	—	—	5	—	1
50 to 99 lb	6	1	1	S	S	S	S	S	S
100 to 499 lb	22	5	6	7	2	3	22	3	8
500 to 749 lb	5	1	2	2	—	1	S	S	S
750 to 999 lb	S	S	S	S	S	1	4	1	2
1,000 to 9,999 lb	47	16	22	33	7	14	47	8	21
10,000 to 49,999 lb	164	116	164	41	39	80	169	139	404
50,000 to 99,999 lb	14	18	27	S	S	S	S	8	24
100,000 lb or more	171	418	539	S	S	S	68	112	334
SCTG 27, Pulp, newsprint, paper, and paperboard	1 943	1 768	2 501	390	225	449	785	646	1 958
Less than 50 lb	S	S	S	2	—	—	6	—	1
50 to 99 lb	4	—	—	S	S	S	3	—	1
100 to 499 lb	26	3	4	7	1	1	30	2	7
500 to 749 lb	13	2	3	S	—	—	5	1	2
750 to 999 lb	6	S	S	S	S	S	6	1	3
1,000 to 9,999 lb	161	61	83	38	13	25	89	33	96
10,000 to 49,999 lb	1 112	1 079	1 466	323	187	366	502	362	1 031
50,000 to 99,999 lb	53	38	54	—	—	—	S	S	S
100,000 lb or more	498	578	881	S	S	S	138	241	S
SCTG 28, Paper or paperboard articles	632	221	312	171	62	117	608	222	619
Less than 50 lb	66	4	6	32	2	3	65	3	8
50 to 99 lb	12	1	2	9	1	2	S	1	3
100 to 499 lb	77	10	14	9	2	3	30	4	13
500 to 749 lb	21	3	5	S	—	1	S	2	7
750 to 999 lb	8	3	4	S	S	S	3	1	2
1,000 to 9,999 lb	108	37	51	37	11	22	S	S	S
10,000 to 49,999 lb	336	160	227	79	S	86	182	95	272
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	3 154	328	447	S	123	223	7 421	780	2 162
Less than 50 lb	1 302	43	60	376	13	26	2 053	55	156
50 to 99 lb	S	12	16	166	S	S	236	14	41
100 to 499 lb	S	S	S	84	7	13	S	S	S
500 to 749 lb	162	16	24	21	3	5	S	S	S
750 to 999 lb	43	8	11	10	S	S	S	S	S
1,000 to 9,999 lb	400	75	99	S	S	S	1 266	S	S
10,000 to 49,999 lb	328	122	161	67	22	41	385	221	634
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	8 425	519	731	1 942	100	196	6 218	311	906
Less than 50 lb	2 415	62	84	756	17	32	1 779	43	124
50 to 99 lb	826	S	S	172	5	9	392	13	37
100 to 499 lb	1 220	53	72	286	13	26	1 208	49	140
500 to 749 lb	297	16	22	72	3	7	254	15	41
750 to 999 lb	163	11	15	27	2	3	348	14	39
1,000 to 9,999 lb	2 568	223	319	484	42	84	1 811	119	331
10,000 to 49,999 lb	929	115	163	S	17	33	421	57	190
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 31, Nonmetallic mineral products	735	519	733	366	282	571	774	505	1 352
Less than 50 lb	76	4	5	S	S	S	186	S	S
50 to 99 lb	24	2	3	7	—	1	26	1	4
100 to 499 lb	80	8	11	29	5	10	77	6	16
500 to 749 lb	16	3	4	11	1	2	S	3	7
750 to 999 lb	8	1	1	11	1	2	10	1	3
1,000 to 9,999 lb	254	113	153	51	15	31	189	64	176
10,000 to 49,999 lb	253	247	358	122	98	194	224	288	781
50,000 to 99,999 lb	S	S	S	S	S	S	37	S	S
100,000 lb or more	19	38	64	24	S	S	5	5	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	2 442	1 398	2 137	469	174	339	2 640	870	2 402
Less than 50 lb	69	2	2	23	S	S	84	2	S
50 to 99 lb	33	1	2	20	1	1	54	1	3
100 to 499 lb	137	9	13	35	2	4	194	10	27
500 to 749 lb	34	5	7	S	S	S	24	2	6
750 to 999 lb	22	4	6	18	S	S	83	S	S
1,000 to 9,999 lb	433	151	207	134	27	51	600	97	275
10,000 to 49,999 lb	1 336	807	1 181	212	95	186	1 132	414	1 132
50,000 to 99,999 lb	S	S	S	S	S	S	S	115	287
100,000 lb or more	332	368	623	S	S	S	S	S	S
SCTG 33, Articles of base metal	1 989	567	808	693	163	311	1 926	481	1 334
Less than 50 lb	337	8	11	137	2	5	505	S	S
50 to 99 lb	96	5	7	35	1	2	141	5	14
100 to 499 lb	368	31	44	86	5	11	227	19	53
500 to 749 lb	120	15	22	29	4	8	46	6	16
750 to 999 lb	49	8	11	38	7	13	36	5	13
1,000 to 9,999 lb	484	119	166	145	41	80	622	148	409
10,000 to 49,999 lb	430	231	317	80	30	61	318	120	323
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 34, Machinery	5 289	311	442	1 647	107	203	4 325	165	470
Less than 50 lb	745	6	8	169	1	3	817	6	15
50 to 99 lb	280	3	5	76	1	2	333	4	10
100 to 499 lb	811	22	31	248	8	16	879	13	35
500 to 749 lb	622	S	S	81	3	5	206	8	21
750 to 999 lb	131	6	8	104	6	13	48	2	6
1,000 to 9,999 lb	1 293	81	113	581	31	60	870	45	128
10,000 to 49,999 lb	1 185	142	203	363	50	92	996	71	205
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	14 855	354	497	5 785	197	389	18 284	401	1 123
Less than 50 lb	4 151	21	29	2 399	8	16	7 055	30	86
50 to 99 lb	1 468	13	19	383	4	9	1 860	11	32
100 to 499 lb	4 267	54	77	884	16	32	4 497	43	120
500 to 749 lb	393	13	18	255	5	10	1 059	12	33
750 to 999 lb	349	10	14	S	4	7	S	8	23
1,000 to 9,999 lb	2 909	120	166	1 090	68	130	2 325	124	342
10,000 to 49,999 lb	1 315	121	172	557	86	175	890	159	448
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	2 056	317	444	491	69	135	1 316	102	282
Less than 50 lb	319	7	10	68	2	4	248	S	S
50 to 99 lb	44	3	4	17	S	S	56	3	8
100 to 499 lb	228	13	20	72	3	7	S	S	S
500 to 749 lb	S	5	6	9	—	1	35	3	9
750 to 999 lb	S	3	4	S	S	S	S	S	S
1,000 to 9,999 lb	393	51	68	92	14	27	232	20	56
10,000 to 49,999 lb	756	200	280	214	47	91	334	35	97
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 37, Transportation equipment, n.e.c.	1 742	177	277	190	S	S	1 654	S	S
Less than 50 lb	659	1	2	62	—	—	654	S	S
50 to 99 lb	60	S	S	S	S	S	85	—	1
100 to 499 lb	S	3	4	S	S	S	707	3	10
500 to 749 lb	37	2	3	S	S	S	6	—	1
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	66	3	5	S	S	S	95	4	9
10,000 to 49,999 lb	88	23	31	S	S	S	72	S	S
50,000 to 99,999 lb	139	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	4 110	40	56	2 219	26	51	4 746	60	167
Less than 50 lb	2 318	11	15	1 100	4	8	2 806	11	30
50 to 99 lb	475	4	5	197	1	2	578	4	11
100 to 499 lb	983	13	19	419	S	S	742	14	41
500 to 749 lb	96	4	5	S	—	1	147	2	6
750 to 999 lb	33	1	2	S	1	1	63	1	3
1,000 to 9,999 lb	157	5	7	S	S	S	396	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	679	88	122	240	31	58	600	92	261
Less than 50 lb	65	3	4	6	—	1	48	4	10
50 to 99 lb	S	1	2	11	1	2	20	2	6
100 to 499 lb	160	16	22	47	5	10	150	13	38
500 to 749 lb	86	11	16	S	1	3	46	7	19
750 to 999 lb	S	3	4	12	1	3	10	1	2
1,000 to 9,999 lb	225	32	46	65	9	18	222	35	98
10,000 to 49,999 lb	97	21	29	S	S	S	100	28	83
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products	7 909	620	872	3 371	S	S	8 650	527	1 472
Less than 50 lb	3 758	40	56	1 642	13	27	4 015	50	139
50 to 99 lb	407	17	23	251	10	21	453	19	55
100 to 499 lb	1 252	62	85	527	33	66	1 537	47	137
500 to 749 lb	306	20	28	92	8	15	311	18	50
750 to 999 lb	172	12	16	29	2	5	254	14	40
1,000 to 9,999 lb	1 218	133	187	631	57	115	1 272	146	405
10,000 to 49,999 lb	764	317	443	171	67	134	769	150	418
50,000 to 99,999 lb	9	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	203	289	458	S	S	S	107	57	169
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	1	1	S	S	S	S	S	S
10,000 to 49,999 lb	53	75	102	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	382	140	195	40	S	29	S	105	282
Less than 50 lb	17	S	S	S	S	S	10	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	62	6	8	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	104	33	45	S	S	S	80	25	69
10,000 to 49,999 lb	97	68	97	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	393	S	S	209	S	S	417	S	S
Less than 50 lb	93	1	1	25	—	1	77	1	4
50 to 99 lb	S	—	—	2	—	—	S	S	S
100 to 499 lb	61	S	S	S	S	S	151	2	7
500 to 749 lb	14	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	40	S	S	15	2	3	39	S	S
10,000 to 49,999 lb	57	30	44	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

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

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

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

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

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

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

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

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

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

Appendix B. Reliability of the Estimates

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

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

SAMPLING ERROR

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

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

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

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

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

NONSAMPLING ERROR

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

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

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

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

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

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

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

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	3.7	—	4.5	—	4.3	—	3.9
Single modes	4.1	.5	4.6	.6	4.8	1.1	5.0
Truck	4.1	.8	5.5	2.1	3.5	2.6	6.1
For-hire truck	6.9	1.2	9.6	2.5	3.3	2.0	3.6
Private truck	3.0	1.0	6.0	2.1	8.4	1.2	7.5
Rail	10.2	.2	13.6	.9	16.2	2.2	15.4
Water	17.1	—	33.2	.6	43.1	.9	S
Shallow draft	43.2	—	38.6	.6	S	S	S
Great Lakes	S	S	S	S	S	S	21.8
Deep draft	6.8	—	46.0	.2	49.8	.2	S
Air (includes truck and air)	13.4	.4	14.6	—	20.4	.1	3.1
Pipeline	35.3	.3	34.9	1.3	S	S	S
Multiple modes	4.5	.6	20.4	.2	17.5	1.1	2.4
Parcel, U.S. Postal Service or courier	4.5	.6	4.6	—	6.4	.1	2.4
Truck and rail	14.5	—	S	S	9.8	.1	7.8
Truck and water	28.6	—	S	S	S	S	31.7
Rail and water	34.3	—	34.8	—	34.1	.2	18.3
Other multiple modes	49.4	—	S	S	S	S	44.2
Other and unknown modes	6.0	.2	16.6	.4	11.6	.5	19.4

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

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

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

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

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	3.7	3.1	5.6	4.5	3.5	7.1	4.3	4.5	6.9	3.9	5.0	6.9
Single modes	4.1	3.3	5.9	4.6	3.6	7.3	4.8	4.4	7.2	5.0	4.6	5.9
Truck	4.1	3.4	5.8	5.5	3.7	8.6	3.5	2.4	5.1	6.1	3.0	6.3
For-hire truck	6.9	4.7	8.6	9.6	3.4	14.6	3.3	3.2	5.3	3.6	2.7	4.3
Private truck	3.0	3.3	5.0	6.0	5.8	9.7	8.4	4.6	11.6	7.5	4.6	8.4
Rail	10.2	9.8	17.3	13.6	23.9	22.1	16.2	19.4	23.5	15.4	10.0	17.8
Water	17.1	31.3	31.3	33.2	29.5	28.6	43.1	34.0	20.0	S	33.0	S
Shallow draft	43.2	33.4	34.5	38.6	28.1	39.4	S	28.8	S	S	S	S
Great Lakes	S	—	S	S	—	S	S	—	S	21.8	—	S
Deep draft	6.8	46.6	55.3	46.0	S	S	49.8	S	S	S	16.4	S
Air (includes truck and air)	13.4	12.1	28.9	14.6	16.3	39.5	20.4	18.6	49.3	3.1	2.0	3.7
Pipeline	35.3	33.0	157.1	34.9	36.7	150.6	S	S	S	S	S	S
Multiple modes	4.5	4.9	10.1	20.4	29.7	29.6	17.5	28.2	33.0	2.4	4.1	5.4
Parcel, U.S. Postal Service or courier	4.5	5.1	10.4	4.6	4.5	8.7	6.4	4.8	12.5	2.4	4.1	5.4
Truck and rail	14.5	43.1	61.7	S	26.3	S	9.8	36.1	65.8	7.8	9.0	14.0
Truck and water	28.6	38.7	39.3	S	34.0	S	S	38.0	S	31.7	27.2	42.9
Rail and water	34.3	38.6	7.2	34.8	40.6	10.0	34.1	46.6	8.2	18.3	19.8	17.5
Other multiple modes	49.4	45.9	S	S	S	S	S	S	S	44.2	25.5	5.9
Other and unknown modes ...	6.0	7.1	10.9	16.6	16.2	33.3	11.6	35.8	43.0	19.4	27.0	19.2

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

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

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

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

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes	.5	.6	.6	.6	1.1	1.8
Truck	.8	.6	2.1	2.0	2.6	3.5
For-hire truck	1.2	1.1	2.5	1.5	2.0	2.9
Private truck	1.0	.8	2.1	1.8	1.2	1.1
Rail	.2	.1	.9	1.6	2.2	3.1
Water	—	.2	.6	1.2	.9	2.1
Shallow draft	—	.1	.6	.8	.6	.8
Great Lakes	S	—	S	—	S	—
Deep draft	—	.1	.2	S	.2	S
Air (includes truck and air)	.4	.3	—	—	.1	—
Pipeline	.3	—	1.3	.5	S	S
Multiple modes	.6	.6	.2	.5	1.1	1.5
Parcel, U.S. Postal Service or courier	.6	.6	—	—	.1	—
Truck and rail	—	.1	S	—	.1	.4
Truck and water	—	—	S	—	S	.2
Rail and water	—	—	—	.5	.2	1.4
Other multiple modes	—	—	S	S	S	S
Other and unknown modes	.2	.3	.4	.5	.5	1.3

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

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

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

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

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	4.3	—	3.9
Truck	3.5	2.6	6.1
Rail	15.2	2.3	11.6
Shallow draft	38.7	1.1	S
Great Lakes	41.4	—	21.3
Deep draft	35.1	.5	16.8
Air	21.0	.1	3.2
Parcel, U.S. Postal Service or courier	6.4	.1	2.4
Pipeline	S	S	S
Other and unknown modes	11.6	.5	19.4

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

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

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	3.7	—	4.5	—	4.3	—
Less than 50 miles	2.1	.8	6.6	1.9	7.9	.7
50 to 99 miles	5.6	.4	7.3	.7	7.5	.4
100 to 249 miles	9.5	.7	6.5	1.0	7.6	1.0
250 to 499 miles	4.5	.3	6.3	.4	8.3	.9
500 to 749 miles	5.9	.3	7.3	.1	9.3	.9
750 to 999 miles	5.1	.3	17.1	.3	17.1	1.5
1,000 to 1,499 miles	3.6	.2	16.9	.3	16.7	1.5
1,500 to 1,999 miles	9.4	.2	21.1	—	22.9	.7
2,000 miles or more	5.2	.3	4.9	—	5.3	.9
Single modes	4.1	—	4.6	—	4.8	—
Less than 50 miles	2.4	.9	6.9	2.0	8.3	.8
50 to 99 miles	6.4	.6	7.4	.7	7.6	.4
100 to 249 miles	11.6	.9	6.6	1.0	7.7	.9
250 to 499 miles	5.4	.4	6.5	.4	8.8	1.0
500 to 749 miles	7.5	.3	7.3	.1	9.3	.8
750 to 999 miles	5.8	.3	18.8	.3	19.3	1.5
1,000 to 1,499 miles	3.5	.2	19.5	.3	19.4	1.7
1,500 to 1,999 miles	10.4	.1	24.6	—	26.6	.8
2,000 miles or more	6.0	.3	6.0	—	6.6	1.0
Truck	4.1	—	5.5	—	3.5	—
Less than 50 miles	2.6	.9	7.2	1.6	8.1	.9
50 to 99 miles	5.6	.5	8.1	.8	8.0	.6
100 to 249 miles	10.4	.8	6.4	.7	7.0	.8
250 to 499 miles	5.9	.4	6.6	.4	8.3	.9
500 to 749 miles	7.8	.3	4.5	.1	4.8	.4
750 to 999 miles	6.0	.3	6.0	—	6.0	.4
1,000 to 1,499 miles	3.1	.2	3.5	—	3.5	.4
1,500 to 1,999 miles	10.8	.1	25.1	—	27.7	.9
2,000 miles or more	7.6	.3	6.0	—	6.0	.8
For-hire truck	6.9	—	9.6	—	3.3	—
Less than 50 miles	6.3	.7	14.8	3.2	16.3	1.0
50 to 99 miles	8.7	.6	9.3	1.0	8.8	.5
100 to 249 miles	14.1	1.0	4.9	1.1	4.7	.5
250 to 499 miles	6.7	.6	5.1	.7	4.9	.7
500 to 749 miles	8.8	.5	4.4	.4	4.7	.5
750 to 999 miles	6.2	.5	6.2	.2	6.2	.5
1,000 to 1,499 miles	3.6	.3	3.4	.2	3.5	.4
1,500 to 1,999 miles	12.2	.2	13.3	—	14.3	.5
2,000 miles or more	8.5	.5	7.0	.2	7.1	1.1
Private truck	3.0	—	6.0	—	8.4	—
Less than 50 miles	2.8	.9	6.8	1.7	4.5	1.6
50 to 99 miles	8.2	.7	11.2	.9	11.6	1.2
100 to 249 miles	4.4	.3	14.0	.8	16.3	1.9
250 to 499 miles	5.9	.2	26.3	.4	34.1	2.1
500 to 749 miles	13.2	.3	12.1	—	12.3	.8
750 to 999 miles	18.8	.3	11.2	—	11.0	.5
1,000 to 1,499 miles	7.0	.1	10.0	—	11.1	.8
1,500 to 1,999 miles	28.6	.1	S	S	S	S
2,000 miles or more	14.1	.1	17.3	—	17.6	.8
Rail	10.2	—	13.6	—	16.2	—
Less than 50 miles	32.0	3.7	22.3	3.4	25.3	.4
50 to 99 miles	25.8	.7	39.8	1.5	44.1	.7
100 to 249 miles	14.2	2.5	16.7	4.4	17.9	4.0
250 to 499 miles	26.0	2.9	15.3	1.6	14.7	1.6
500 to 749 miles	28.5	2.1	28.5	1.4	33.5	2.2
750 to 999 miles	17.7	1.9	S	S	48.4	3.5
1,000 to 1,499 miles	15.2	1.4	16.9	.9	18.7	2.2
1,500 to 1,999 miles	47.0	.8	31.5	.3	30.2	1.1
2,000 miles or more	11.2	.6	15.6	.5	17.6	2.2
Water	17.1	—	33.2	—	43.1	—
Less than 50 miles	19.1	3.6	40.4	8.2	43.8	10.9
50 to 99 miles	37.9	3.6	32.1	8.3	27.8	10.0
100 to 249 miles	39.4	.4	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Shallow draft	43.2	—	38.6	—	S	S
Less than 50 miles	S	S	44.6	7.5	47.0	13.4
50 to 99 miles	48.1	5.6	35.2	6.9	32.9	8.0
100 to 249 miles	42.7	1.0	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	6.8	—	46.0	—	49.8	—
Less than 50 miles	4.0	3.0	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	13.4	—	14.6	—	20.4	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	S	S	24.8	1.4	28.3	.3
100 to 249 miles	41.5	2.8	22.7	2.6	31.1	1.4
250 to 499 miles	15.8	1.0	23.6	2.6	24.0	1.5
500 to 749 miles	22.8	2.2	17.2	1.8	17.4	1.5
750 to 999 miles	14.9	1.5	19.1	1.8	21.4	1.8
1,000 to 1,499 miles	19.2	2.3	21.6	2.0	23.3	2.8
1,500 to 1,999 miles	35.0	1.6	14.4	.3	15.0	.5
2,000 miles or more	11.2	2.5	34.9	4.2	34.2	5.3
Pipeline	35.3	—	34.9	—	S	S
Less than 50 miles	30.9	7.6	31.0	7.9	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	—	—	—	—	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	4.5	—	20.4	—	17.5	—
Less than 50 miles	5.7	.7	S	S	34.3	.6
50 to 99 miles	4.9	.3	20.3	1.8	22.3	.3
100 to 249 miles	6.4	.6	31.9	4.7	34.7	3.4
250 to 499 miles	5.8	.5	20.2	1.7	24.8	1.5
500 to 749 miles	5.0	.5	S	S	S	S
750 to 999 miles	8.3	.5	36.1	2.0	48.2	3.4
1,000 to 1,499 miles	7.1	.5	14.4	1.5	17.6	2.6
1,500 to 1,999 miles	10.2	.3	25.1	.7	25.0	1.4
2,000 miles or more	7.4	.5	5.5	1.2	5.4	2.7
Parcel, U.S. Postal Service or courier	4.5	—	4.6	—	6.4	—
Less than 50 miles	5.8	.7	8.3	1.5	8.2	—
50 to 99 miles	5.0	.4	7.4	.4	7.7	—
100 to 249 miles	6.4	.6	6.3	.6	6.1	.2
250 to 499 miles	5.9	.5	4.6	.4	4.4	.4
500 to 749 miles	5.0	.5	7.7	.6	7.5	.6
750 to 999 miles	8.0	.5	14.7	.9	13.9	1.0
1,000 to 1,499 miles	7.3	.5	9.5	.6	9.4	.9
1,500 to 1,999 miles	10.3	.3	6.7	.2	7.0	.6
2,000 miles or more	7.6	.5	8.8	.7	9.1	1.6
Truck and rail	14.5	—	S	S	9.8	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	47.2	.2	S	S	S	S
100 to 249 miles	32.4	2.4	S	S	S	S
250 to 499 miles	S	S	42.4	1.8	40.6	.5
500 to 749 miles	14.7	2.2	19.8	3.9	20.3	2.2
750 to 999 miles	36.3	1.4	24.9	1.8	24.1	1.3
1,000 to 1,499 miles	21.6	2.2	33.1	3.7	35.6	3.1
1,500 to 1,999 miles	29.1	1.4	S	S	S	S
2,000 miles or more	20.3	4.7	8.3	8.0	8.1	3.9
Truck and water	28.6	—	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	31.5	7.0	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	34.6	6.5	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	33.3	7.8	32.7	6.1	32.4	9.3

See footnotes at end of table.

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	34.3	—	34.8	—	34.1	—
Less than 50 miles	48.6	4.6	47.6	4.2	48.0	2.3
50 to 99 miles	S	S	S	S	46.2	5.3
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	38.8	5.9	40.2	5.7	40.8	6.0
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Other multiple modes	49.4	—	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	6.0	—	16.6	—	11.6	—
Less than 50 miles	9.4	2.2	23.6	5.3	22.0	1.6
50 to 99 miles	8.5	.6	22.1	1.5	20.3	.3
100 to 249 miles	8.4	1.0	21.3	2.0	19.0	1.6
250 to 499 miles	10.6	.7	21.1	1.1	18.1	1.7
500 to 749 miles	12.4	.6	22.5	.9	22.4	1.3
750 to 999 miles	17.0	.4	19.5	.3	18.8	2.0
1,000 to 1,499 miles	13.2	.9	22.8	.9	22.1	3.0
1,500 to 1,999 miles	31.0	.7	28.6	.4	28.3	1.4
2,000 miles or more	10.7	.6	26.6	1.1	26.5	4.4

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

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

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

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

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	3.7	—	4.5	—	4.3	—	3.9
Less than 50 lb	4.7	.6	6.9	—	7.7	—	4.0
50 to 99 lb	5.3	.2	5.8	—	8.9	—	5.0
100 to 499 lb	6.3	.6	4.7	—	8.5	.2	5.9
500 to 749 lb	4.4	.2	4.9	—	9.9	—	6.9
750 to 999 lb	9.7	.2	4.4	—	19.7	.2	15.4
1,000 to 9,999 lb	7.8	.8	2.6	.3	4.0	.6	5.8
10,000 to 49,999 lb	3.6	1.0	6.6	2.3	3.0	1.9	5.0
50,000 to 99,999 lb	5.6	.2	8.3	1.3	10.8	.9	7.9
100,000 lb or more	11.0	.4	11.8	2.5	13.2	2.7	17.9
Single modes	4.1	—	4.6	—	4.8	—	5.0
Less than 50 lb	7.6	.5	11.2	—	11.1	—	6.7
50 to 99 lb	7.4	.2	5.9	—	9.6	—	6.0
100 to 499 lb	7.3	.6	5.1	—	8.8	.2	6.0
500 to 749 lb	4.8	.2	5.0	—	10.8	—	7.8
750 to 999 lb	10.6	.3	4.7	—	22.0	.2	16.7
1,000 to 9,999 lb	8.2	.9	2.7	.3	4.3	.8	6.0
10,000 to 49,999 lb	3.7	1.1	6.7	2.3	3.1	2.2	5.1
50,000 to 99,999 lb	5.6	.2	8.4	1.4	12.2	1.0	7.6
100,000 lb or more	11.8	.6	12.4	2.5	15.3	3.2	18.8
Truck	4.1	—	5.5	—	3.5	—	6.1
Less than 50 lb	5.8	.3	11.3	—	13.4	—	9.1
50 to 99 lb	7.9	.2	5.9	—	10.3	—	6.4
100 to 499 lb	5.8	.6	5.2	—	9.3	.2	6.2
500 to 749 lb	5.1	.2	5.1	—	11.3	—	7.4
750 to 999 lb	11.3	.3	4.7	—	22.5	.3	17.0
1,000 to 9,999 lb	8.4	1.0	2.8	.5	4.4	.6	6.1
10,000 to 49,999 lb	3.7	1.2	6.7	2.2	3.1	1.3	5.1
50,000 to 99,999 lb	5.9	.2	8.5	1.4	13.2	1.1	7.6
100,000 lb or more	13.5	.2	19.4	2.2	17.7	1.2	36.3
For-hire truck	6.9	—	9.6	—	3.3	—	3.6
Less than 50 lb	8.8	.3	21.0	—	17.8	—	9.2
50 to 99 lb	15.9	.2	17.1	—	15.3	—	8.0
100 to 499 lb	10.3	.8	10.1	.1	12.3	.3	3.7
500 to 749 lb	7.4	.3	6.9	—	13.8	.1	4.4
750 to 999 lb	16.4	.5	12.5	—	28.3	.4	8.2
1,000 to 9,999 lb	13.3	1.3	5.4	.5	5.5	.7	4.3
10,000 to 49,999 lb	4.3	1.6	11.1	3.2	4.1	1.4	6.9
50,000 to 99,999 lb	11.0	.2	13.6	1.9	7.7	.6	8.6
100,000 lb or more	20.3	.3	40.8	2.9	18.6	1.1	S
Private truck	3.0	—	6.0	—	8.4	—	7.5
Less than 50 lb	7.2	.6	12.1	—	14.0	—	13.4
50 to 99 lb	5.5	.2	5.2	—	10.7	—	9.5
100 to 499 lb	5.6	.7	6.7	.1	8.4	.2	6.2
500 to 749 lb	5.2	.3	5.7	—	7.4	—	6.2
750 to 999 lb	7.9	.3	4.9	—	5.4	—	6.0
1,000 to 9,999 lb	2.8	.8	3.4	.7	5.2	.9	4.8
10,000 to 49,999 lb	8.4	1.4	6.9	2.6	4.6	3.3	4.6
50,000 to 99,999 lb	7.5	.3	8.6	1.3	25.8	2.2	15.7
100,000 lb or more	13.6	.3	24.9	3.0	34.4	3.1	28.5
Rail	10.2	—	13.6	—	16.2	—	15.4
Less than 50 lb	S	S	S	S	40.3	—	S
50 to 99 lb	S	S	S	S	S	S	20.9
100 to 499 lb	31.8	—	39.3	—	S	S	23.3
500 to 749 lb	42.9	—	45.9	—	S	S	21.0
750 to 999 lb	49.6	—	41.9	—	S	S	22.6
1,000 to 9,999 lb	S	S	S	S	44.5	.2	S
10,000 to 49,999 lb	14.3	1.8	14.7	.7	15.3	1.4	3.6
50,000 to 99,999 lb	27.5	1.9	13.7	.8	17.5	1.6	9.3
100,000 lb or more	11.0	3.5	14.2	1.4	17.6	3.0	7.4
Water	17.1	—	33.2	—	43.1	—	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	46.8	—	S	S	S	S	25.3
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	19.8
10,000 to 49,999 lb	S	S	34.1	4.7	40.7	5.7	S
50,000 to 99,999 lb	S	S	S	S	S	S	S
100,000 lb or more	19.1	3.5	33.6	8.1	43.3	10.4	31.9
Shallow draft	43.2	—	38.6	—	S	S	S
Less than 50 lb	S	S	S	S	S	S	22.2
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	46.7
500 to 749 lb	S	S	S	S	S	S	25.2
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	22.3
10,000 to 49,999 lb	S	S	S	S	45.6	7.4	19.9
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	S	S	39.0	12.4	S	S	19.4

See footnote at end of table.

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	S	S	S	S	S	S	21.8
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	6.8	—	46.0	—	49.8	—	S
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	30.8
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	46.5	.7	S	S	42.0
10,000 to 49,999 lb	46.2	.7	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	22.5
100,000 lb or more	7.1	.9	46.6	5.5	S	S	S
Air (includes truck and air)	13.4	—	14.6	—	20.4	—	3.1
Less than 50 lb	22.7	3.6	10.1	1.0	11.9	1.3	3.2
50 to 99 lb	14.6	1.4	18.5	.8	19.8	.8	2.8
100 to 499 lb	29.0	3.7	18.8	2.2	13.7	2.5	5.6
500 to 749 lb	26.4	2.1	29.5	1.9	34.4	2.2	8.0
750 to 999 lb	38.3	1.9	17.0	.7	18.6	.7	7.8
1,000 to 9,999 lb	18.9	1.8	28.8	3.6	43.9	4.8	8.0
10,000 to 49,999 lb	S	S	23.4	2.6	28.5	2.5	12.3
50,000 to 99,999 lb	S	S	38.6	2.3	S	S	19.1
100,000 lb or more	40.2	—	37.9	1.8	36.7	1.7	19.7
Pipeline	35.3	—	34.9	—	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	S	S	S
100,000 lb or more	35.3	.5	34.9	—	S	S	S
Multiple modes	4.5	—	20.4	—	17.5	—	2.4
Less than 50 lb	4.8	.8	6.1	2.1	7.9	1.7	2.6
50 to 99 lb	4.9	.4	7.0	1.0	9.7	1.0	4.7
100 to 499 lb	6.4	.6	6.6	2.1	10.0	1.3	4.8
500 to 749 lb	14.0	.3	12.4	.5	15.3	.5	10.5
750 to 999 lb	12.6	.1	18.8	.4	S	S	13.8
1,000 to 9,999 lb	31.8	.1	23.3	.2	33.0	.4	18.1
10,000 to 49,999 lb	17.7	.2	11.0	2.3	10.2	3.5	8.3
50,000 to 99,999 lb	29.3	—	41.0	1.8	32.7	.7	S
100,000 lb or more	28.2	—	38.3	7.9	44.6	6.4	20.8
Parcel, U.S. Postal Service or courier	4.5	—	4.6	—	6.4	—	2.4
Less than 50 lb	4.8	.8	6.1	1.6	7.9	2.1	2.6
50 to 99 lb	4.9	.4	7.0	.6	9.7	1.0	4.7
100 to 499 lb	6.4	.6	6.7	1.1	10.1	1.6	4.8
500 to 749 lb	14.0	.3	12.4	.6	15.4	.7	10.5
750 to 999 lb	12.6	.1	18.9	.8	S	S	13.8
1,000 to 9,999 lb	29.8	—	27.7	—	S	S	23.3
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	14.5	—	S	S	9.8	—	7.8
Less than 50 lb	S	S	S	S	S	S	21.9
50 to 99 lb	S	S	S	S	S	S	21.1
100 to 499 lb	S	S	45.1	—	S	S	27.6
500 to 749 lb	S	S	S	S	46.7	—	21.3
750 to 999 lb	S	S	S	S	S	S	19.6
1,000 to 9,999 lb	37.0	3.9	26.7	1.1	19.8	.5	13.1
10,000 to 49,999 lb	18.8	3.7	9.8	12.6	9.5	3.8	5.5
50,000 to 99,999 lb	31.7	1.3	S	S	38.3	1.5	S
100,000 lb or more	34.7	2.6	S	S	38.5	3.9	29.7
Truck and water	28.6	—	S	S	S	S	31.7
Less than 50 lb	S	S	S	S	S	S	21.8
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	20.7
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	39.7	7.3	42.9	6.8	S	S	23.7
10,000 to 49,999 lb	31.8	8.5	32.1	10.8	37.6	10.1	30.7
50,000 to 99,999 lb	41.3	5.5	40.6	4.6	S	S	21.3
100,000 lb or more	S	S	S	S	S	S	21.4

See footnote at end of table.

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	34.3	—	34.8	—	34.1	—	18.3
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	34.3	—	34.8	—	34.1	—	18.3
Other multiple modes	49.4	—	S	S	S	S	44.2
Less than 50 lb	S	S	S	S	S	S	33.1
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	27.4
50,000 to 99,999 lb	S	S	S	S	S	S	22.9
100,000 lb or more	S	S	S	S	S	S	21.4
Other and unknown modes	6.0	—	16.6	—	11.6	—	19.4
Less than 50 lb	11.4	1.9	11.7	.2	23.8	—	23.6
50 to 99 lb	12.0	.5	18.9	.1	18.7	—	40.2
100 to 499 lb	9.9	1.0	12.4	.3	15.2	.1	17.7
500 to 749 lb	29.4	.9	11.3	.1	13.3	—	14.6
750 to 999 lb	24.6	.3	18.8	.1	42.4	.1	33.4
1,000 to 9,999 lb	9.9	1.9	8.3	2.1	9.9	2.4	11.8
10,000 to 49,999 lb	13.4	1.7	21.7	4.9	16.0	3.5	15.5
50,000 to 99,999 lb	22.3	.7	27.1	3.4	23.0	2.7	35.3
100,000 lb or more	18.8	.7	35.7	7.6	30.3	4.6	25.8

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

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

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	3.7	—	4.5	—	4.3	—	3.9
01	Live animals and live fish	29.5	—	24.6	—	32.4	—	S
02	Cereal grains	31.4	—	20.9	—	35.9	—	S
03	Other agricultural products	20.7	.2	25.0	.3	17.6	.2	34.1
04	Animal feed and products of animal origin, n.e.c.	15.9	—	21.4	.2	14.4	.1	27.3
05	Meat, fish, seafood, and their preparations	10.2	.2	10.1	—	22.8	.2	23.7
06	Milled grain products and preparations, and bakery products	10.0	.2	9.4	.1	10.3	.2	38.0
07	Other prepared foodstuffs and fats and oils	5.1	.3	6.9	.3	9.5	.5	14.2
08	Alcoholic beverages	7.9	.1	10.3	.1	24.8	.5	9.8
09	Tobacco products	13.2	—	16.6	—	18.0	—	23.7
10	Monumental or building stone	38.1	—	27.9	.1	42.3	.1	S
11	Natural sands	27.4	—	19.8	.8	22.8	.3	23.6
12	Gravel and crushed stone	9.3	—	10.0	1.7	16.1	.6	10.6
13	Nonmetallic minerals n.e.c.	15.6	—	21.5	.5	19.5	.3	14.8
14	Metallic ores and concentrates	23.3	—	26.7	—	S	S	14.4
15	Coal	15.2	—	11.9	1.0	21.1	1.8	27.0
17	Gasoline and aviation turbine fuel	10.7	.2	11.6	.7	S	S	9.3
18	Fuel oils	11.2	.1	12.5	.7	19.9	.3	14.5
19	Coal and petroleum products, n.e.c.	13.5	.1	16.6	1.0	15.9	.3	42.3
20	Basic chemicals	13.7	.2	17.8	.3	21.0	.7	17.2
21	Pharmaceutical products	9.8	.5	21.6	—	8.2	—	7.6
22	Fertilizers	27.2	—	37.8	.1	41.1	—	22.3
23	Chemical products and preparations, n.e.c.	19.8	.7	7.2	—	9.6	.3	9.1
24	Plastics and rubber	3.7	.2	23.4	.5	14.9	.8	7.8
25	Logs and other wood in the rough	39.9	—	47.3	.9	S	S	S
26	Wood products	4.2	—	21.3	.4	18.2	.6	11.4
27	Pulp, newsprint, paper, and paperboard	6.1	.1	9.6	.2	7.1	.6	20.7
28	Paper or paperboard articles	6.7	.1	6.4	—	13.9	.2	9.9
29	Printed products	34.2	1.7	10.4	.2	21.4	.7	10.9
30	Textiles, leather, and articles of textiles or leather	8.1	.5	9.0	—	10.2	.2	5.6
31	Nonmetallic mineral products	5.3	.1	19.4	1.4	7.9	.6	16.6
32	Base metal in primary or semifinished forms and in finished basic shapes	14.2	.6	16.0	.6	19.7	1.6	9.6
33	Articles of base metal	5.4	.2	10.4	.1	9.5	.4	12.1
34	Machinery	4.2	.3	6.3	—	8.0	.1	9.5
35	Electronic and other electrical equipment and components and office equipment	5.9	.7	5.2	—	6.2	.1	8.1
36	Motorized and other vehicles (including parts)	8.8	.4	9.5	—	11.0	.2	12.9
37	Transportation equipment, n.e.c.	11.5	.1	25.5	—	42.0	.2	9.9
38	Precision instruments and apparatus	8.7	.2	12.7	—	13.5	—	6.7
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.9	.1	10.0	—	10.5	—	8.7
40	Miscellaneous manufactured products	5.8	.5	S	S	23.0	.7	3.9
41	Waste and scrap	12.4	—	14.4	.4	26.4	1.2	16.1
43	Mixed freight	12.5	.3	12.2	.1	16.1	.1	16.1
—	Commodity unknown	18.0	.1	21.6	—	31.2	.2	14.4

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

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

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	3.7	—	4.5	—	4.3	—	3.9
010	Live animals and live fish	29.5	—	24.6	—	32.4	—	S
021	Wheat	30.6	—	29.3	—	49.0	—	44.9
022	Corn, except sweet	30.4	—	32.2	—	26.4	—	49.0
029	Other cereal grains	S	S	41.4	—	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	31.1	—	47.5	.1	S	S	42.0
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	19.3	—	21.2	—	24.0	—	S
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	S
034	Soya beans	39.1	—	45.3	—	47.8	—	S
035	Oil seeds and nuts, except olives and soya beans	45.4	—	49.3	—	48.0	—	22.1
036	Bulbs, live plants, and seeds for sowing, n.e.c.	28.0	—	40.8	—	S	S	16.5
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	30.3	—	49.2	—	38.8	—	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	39.6	—	25.0	—	27.2	—	25.0
042	Animal feed preparations	17.9	—	22.6	.2	15.9	.1	43.5
051	Meat including poultry, except preparations	11.1	.1	11.4	—	24.6	.2	32.1
052	Fish, except live, and seafood, except preparations	16.0	—	16.0	—	29.0	—	49.9
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	19.9
061	Wheat flour, groats, and meal	18.1	—	16.8	—	19.1	—	14.6
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	32.5	—	32.4	—	S	S	37.9
063	Food preparations of cereals, flour, starch, or milk	20.9	.1	18.8	—	17.9	.1	29.7
064	Bakery products	11.2	.1	12.1	—	13.4	.2	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	10.4	.1	9.7	.1	17.9	.3	24.7
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	13.7	.2	18.6	.2	25.1	.4	38.4
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	23.5	—	20.8	—	30.2	—	35.5
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	26.9	—	25.8	—	41.3	.1	30.2
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	25.7	—	26.7	—	29.8	—	25.4
076	Confectionery, cocoa, and cocoa preparations	13.9	.1	10.2	—	14.0	—	21.5
077	Edible preparations, n.e.c. and vinegar	17.3	.1	15.3	—	19.7	.2	11.4
078	Nonalcoholic beverages, n.e.c. and ice	12.1	.1	14.2	.2	12.8	.1	23.9
081	Malt Beer	10.7	.1	11.1	.1	27.8	.5	10.9
082	Wine and other fermented beverages	18.2	—	25.9	—	38.6	—	9.8
083	Spirituos beverages and ethyl alcohol	14.3	—	20.9	—	S	S	S
090	Tobacco products	13.2	—	16.6	—	18.0	—	23.7
100	Monumental or building stone, except dolomite	38.1	—	27.9	.1	42.3	.1	S
110	Natural sands, except metal-bearing	27.4	—	19.8	.8	22.8	.3	23.6
120	Gravel and crushed stone, except dolomite and slate	9.3	—	10.0	1.7	16.1	.6	10.6
131	Salt	31.3	—	42.1	.2	39.4	.3	21.6
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	20.3
133	Dolomite	28.9	—	31.8	.5	33.6	.2	S
139	Other nonmetallic minerals	16.0	—	30.3	.1	17.4	—	19.3
141	Iron ores and concentrates	S	S	S	S	S	S	20.5
149	Other metallic ores and concentrates	24.9	—	28.4	—	S	S	14.0
151	Nonagglomerated bituminous coal	12.2	—	13.1	1.1	21.5	1.8	26.4
159	Other coal	S	S	39.1	.2	35.9	.1	45.8
171	Gasoline	10.7	.2	11.2	.7	S	S	9.5
172	Aviation turbine fuel (types A and B)	S	S	S	S	46.1	—	21.9
180	Fuel oils	11.2	.1	12.5	.7	19.9	.3	14.5
191	Lubricating oils and greases	29.1	—	33.3	—	S	S	48.7
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	30.1	—	39.4	.2	26.4	—	46.5
193	Gaseous hydrocarbons	26.0	—	33.9	.2	38.2	—	S
199	Other products of petroleum refining, and coal products	24.1	—	18.7	1.0	20.8	.2	16.1
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	41.7	—	S	S	42.3	—	40.1
202	Inorganic chemicals, n.e.c.	20.6	—	22.4	.2	31.0	.6	24.1
203	Cyclic hydrocarbons	S	S	S	S	33.3	—	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	S	S	S	S	S	S	31.1
205	Organic chemicals, n.e.c.	13.5	—	14.4	—	18.0	.1	14.9
210	Pharmaceutical products	9.8	.5	21.6	—	8.2	—	7.6
220	Fertilizers and fertilizer materials	27.2	—	37.8	.1	41.1	—	22.3
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	17.3	—	17.8	—	20.6	—	29.3
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	11.4	.1	19.3	—	25.8	.1	10.7
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	17.1	—	18.1	—	27.3	.2	18.4
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	49.1	.7	29.6	—	35.6	.1	11.1
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	23.3	—	22.9	—	28.8	—	26.2
239	Other chemical products and preparations	12.3	—	15.6	—	18.4	.1	17.5
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	11.0	—	18.6	—	24.9	.6	11.9
242	Manmade fibers and plastics basic shapes and articles	5.6	.2	6.2	—	6.4	.2	7.5

See footnotes at end of table.

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	8.6	—	46.7	.5	47.8	.5	24.4
250	Logs and other wood in the rough	39.9	—	47.3	.9	S	S	S
261	Wood chips or particles	35.5	—	47.3	.4	S	S	9.5
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	6.7	—	9.9	—	16.7	.3	15.3
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	15.0	—	12.6	—	13.8	—	S
264	Builders' joinery and carpentry of wood, except shingles and shakes	13.7	—	24.8	—	21.7	—	11.5
269	Other wood products	11.6	—	16.2	—	21.8	.1	12.3
271	Pulp of fibrous cellulosic materials	35.8	—	36.7	—	S	S	S
272	Newsprint in large rolls or sheets	33.4	—	32.9	—	30.6	—	29.8
273	Uncoated paper and paperboard in large rolls or sheets	9.8	.1	11.3	.1	9.3	.3	33.3
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	9.0	—	15.1	.1	9.7	.3	10.4
280	Paper or paperboard articles	6.7	.1	6.4	—	13.9	.2	9.9
291	Printed books, brochures, leaflets, and similar printed products	S	S	30.1	.1	39.7	.6	8.2
292	Newspapers, journals, and periodicals	12.4	.2	14.3	—	23.3	—	33.9
293	Advertising material, commercial or trade catalogues, and similar printed products	13.5	—	13.5	—	30.6	.2	10.1
299	Other printed products	16.2	.1	43.0	—	S	S	10.4
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	14.8	.1	14.9	—	18.2	—	23.5
302	Textile clothing and accessories, and headgear, except safety	10.8	.3	13.5	—	19.9	—	6.1
303	Textiles and textile articles, n.e.c.	12.6	.2	12.2	—	15.5	.1	4.4
304	Footwear	13.6	—	14.4	—	17.4	—	4.6
305	Leather and articles, luggage of related materials, and dressed furskins and articles	18.6	—	11.8	—	13.7	—	9.0
311	Hydraulic cements	19.4	—	19.4	.2	15.3	—	15.6
312	Ceramic products	11.4	—	14.2	—	17.0	.1	9.4
313	Glass and glass products	12.5	.1	17.0	.1	17.8	.4	14.9
319	Other nonmetallic mineral products	11.1	—	24.5	1.4	13.2	.3	22.3
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	38.8	.2	25.9	.1	23.3	.2	25.1
322	Flat-rolled products of iron or steel	8.3	.1	29.9	.5	36.4	1.4	14.3
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	17.5	.1	11.8	—	13.9	.2	10.6
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	18.3	.4	13.1	—	20.4	.5	10.5
331	Pipes, tubes, and fittings	12.1	—	19.2	—	15.2	.1	16.6
332	Structures and parts, except prefabricated buildings	18.6	.1	38.3	—	26.3	.1	12.0
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	10.1	.1	15.7	—	14.9	.1	11.3
339	Other articles of metal	9.9	—	21.7	.1	25.6	.3	15.2
341	Internal-combustion piston engines	16.0	.1	25.3	—	25.8	—	26.0
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	16.0	.2	26.1	—	23.7	—	10.5
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	11.5	—	14.8	—	19.8	—	15.4
344	Air-conditioning, refrigerating, or freezing equipment	16.9	—	21.7	—	18.7	—	31.2
345	Materials-handling, excavating, boring, and related machinery and equipment	9.9	—	17.9	—	14.7	—	20.1
349	Other machinery	5.6	.2	7.5	—	9.9	—	12.1
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	12.1	—	15.1	—	23.5	—	13.6
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	23.0	—	23.9	—	29.3	—	13.0
353	Line telephone or telegraph apparatus	28.2	.3	25.1	—	27.1	—	11.8
354	Electronic entertainment products, except parts	26.7	.2	22.8	—	27.9	—	12.7
355	Computer and office equipment	12.2	.4	25.5	—	28.2	—	5.7
356	Prepared unrecorded or prerecorded media	20.5	.2	31.4	—	33.8	—	11.7
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	16.7	—	22.5	—	32.4	—	10.9
358	Electronic components and parts	15.5	.4	20.3	—	22.3	—	8.9
359	Other electronic and electrical equipment	6.2	.2	7.2	—	9.1	—	12.8
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	42.8	.2	28.2	—	45.8	—	29.8
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	43.8	.2	41.8	—	S	S	23.0
363	Other vehicles	16.7	—	15.9	—	19.3	—	15.5
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	10.3	.3	13.8	—	13.1	.1	13.9
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	22.7	—	27.9	—	44.6	.2	6.6
372	Aircraft and spacecraft	17.9	.1	23.3	—	25.0	—	11.2
373	Ships, boats, and floating structures	4.4	—	11.2	—	22.7	—	28.3
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	18.0	—	13.1	—	15.2	—	7.8
382	Photographic and photocopying machines	22.5	.1	19.0	—	39.9	—	9.4
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	26.2	—	46.3	—	44.4	—	12.1
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	15.7	.2	23.0	—	26.9	—	9.9

See footnotes at end of table.

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	10.9	.1	10.6	—	13.0	—	5.9
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.9	.1	10.0	—	10.5	—	8.7
401	Arms and ammunition	12.3	—	42.1	—	13.6	—	6.2
402	Toys, games, and sporting equipment	12.0	—	14.9	—	18.4	—	7.6
409	Miscellaneous manufactured products	6.4	.5	S	S	25.9	.7	4.4
411	Metallic waste and scrap	15.6	—	18.1	.3	34.8	1.2	22.5
412	Nonmetallic waste and scrap, except from food processing	29.8	—	36.7	.3	37.9	.4	17.5
439	Mixed freight	12.5	.3	12.2	.1	16.1	.1	16.1
—	Commodity unknown	18.0	.1	21.6	—	31.2	.2	14.4

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

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

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	3.7	—	4.5	—	4.3	—	3.9
Single modes	4.1	.5	4.6	.6	4.8	1.1	5.0
Truck	4.1	.8	5.5	2.1	3.5	2.6	6.1
For-hire truck	6.9	1.2	9.6	2.5	3.3	2.0	3.6
Private truck	3.0	1.0	6.0	2.1	8.4	1.2	7.5
Rail	10.2	.2	13.6	.9	16.2	2.2	15.4
Water	17.1	—	33.2	.6	43.1	.9	S
Shallow draft	43.2	—	38.6	.6	S	S	S
Great Lakes	S	S	S	S	S	S	21.8
Deep draft	6.8	—	46.0	.2	49.8	.2	S
Air (includes truck and air)	13.4	.4	14.6	—	20.4	.1	3.1
Pipeline	35.3	.3	34.9	1.3	S	S	S
Multiple modes	4.5	.6	20.4	.2	17.5	1.1	2.4
Parcel, U.S. Postal Service or courier	4.5	.6	4.6	—	6.4	.1	2.4
Truck and rail	14.5	—	S	S	9.8	.1	7.8
Truck and water	28.6	—	S	S	S	S	31.7
Rail and water	34.3	—	34.8	—	34.1	.2	18.3
Other multiple modes	49.4	—	S	S	S	S	44.2
Other and unknown modes	6.0	.2	16.6	.4	11.6	.5	19.4
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	29.5	—	24.6	—	32.4	—	S
Single modes	30.0	1.6	24.7	1.3	32.4	1.2	S
Truck	30.4	2.2	25.2	2.3	32.1	3.5	S
For-hire truck	31.7	9.6	33.5	9.8	37.7	11.5	18.0
Private truck	S	S	S	S	47.4	13.0	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.4
SCTG 02, CEREAL GRAINS							
Total	31.4	—	20.9	—	35.9	—	S
Single modes	29.7	5.3	22.2	3.6	28.8	6.7	S
Truck	27.4	6.3	23.4	4.5	31.7	8.7	S
For-hire truck	43.7	7.6	31.4	7.5	45.2	6.8	26.6
Private truck	29.2	10.4	36.7	7.7	31.9	10.0	S
Rail	43.9	4.1	44.1	3.6	37.3	6.6	19.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	26.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	39.8
Truck and rail	S	S	S	S	S	S	20.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	21.9

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	20.7	—	25.0	—	17.6	—	34.1
Single modes	21.4	2.2	25.2	1.7	17.8	1.8	39.3
Truck	21.3	2.1	25.2	1.7	17.8	1.8	39.7
For-hire truck	35.4	4.5	33.2	5.7	21.8	6.3	35.5
Private truck	17.7	4.9	24.2	5.7	30.0	6.0	24.7
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	38.0	1.2	39.7	.7	48.5	1.7	13.8
Parcel, U.S. Postal Service or courier	38.4	1.2	42.1	.7	48.5	1.7	13.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	15.9	—	21.4	—	14.4	—	27.3
Single modes	15.3	3.1	21.5	1.8	13.4	4.9	37.0
Truck	15.8	3.2	21.8	2.6	15.7	6.0	34.3
For-hire truck	20.0	5.5	20.9	4.8	20.0	6.5	29.6
Private truck	19.7	5.0	25.8	5.7	24.3	4.8	15.9
Rail	49.7	1.9	30.7	2.3	44.3	4.1	20.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	28.4	2.2	31.7	.5	39.3	5.0	22.7
Parcel, U.S. Postal Service or courier	S	S	46.6	—	45.6	.2	15.9
Truck and rail	42.6	1.7	35.5	.4	40.9	4.9	21.8
Truck and water	46.1	1.0	46.1	.2	46.2	.3	20.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	10.2	—	10.1	—	22.8	—	23.7
Single modes	10.7	1.5	10.7	1.3	23.6	1.4	16.8
Truck	10.8	1.6	10.7	1.3	23.7	1.7	16.5
For-hire truck	19.8	3.7	20.5	3.5	31.0	5.2	12.9
Private truck	9.7	4.3	9.8	4.2	14.4	4.6	9.4
Rail	S	S	S	S	S	S	22.4
Water	S	S	S	S	S	S	22.2
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	S	S	S	S	44.5	.3	19.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	37.6	.2	36.4	.1	46.0	.9	21.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.0
Truck and rail	S	S	S	S	S	S	20.5
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	36.4	1.5	37.2	1.2	39.8	.9	S

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	10.0	—	9.4	—	10.3	—	38.0
Single modes	10.2	.8	9.7	1.4	10.8	1.6	42.6
Truck	10.4	.9	10.0	1.4	11.1	2.3	41.7
For-hire truck	13.8	3.6	12.8	3.6	14.9	3.6	15.1
Private truck	13.6	4.0	13.8	3.6	10.8	2.5	40.0
Rail	26.2	.5	20.9	.6	25.3	2.0	15.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	31.8	.5	31.9	.2	35.3	1.6	S
Parcel, U.S. Postal Service or courier	S	S	47.8	—	47.9	.2	S
Truck and rail	31.1	.3	35.4	.2	32.2	1.3	12.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	36.5	.6	35.7	1.3	47.6	.5	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	5.1	—	6.9	—	9.5	—	14.2
Single modes	5.3	1.0	7.1	.7	9.7	1.2	15.2
Truck	5.3	1.0	7.1	.7	10.2	1.5	14.8
For-hire truck	8.0	2.0	7.0	2.0	12.1	2.4	10.7
Private truck	5.7	1.9	9.3	2.1	10.4	2.0	18.0
Rail	22.4	.1	23.4	.1	28.5	.9	16.6
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	46.5	—	S	S	S	S	18.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	33.1	.2	35.8	1.0	13.2
Parcel, U.S. Postal Service or courier	S	S	46.8	—	S	S	11.8
Truck and rail	31.4	—	43.6	.1	40.3	.9	15.3
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	36.7	.7	35.4	.7	26.7	.5	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	7.9	—	10.3	—	24.8	—	9.8
Single modes	7.9	.5	10.3	.7	25.5	3.0	9.9
Truck	7.9	.7	10.3	.9	26.3	3.2	10.0
For-hire truck	21.8	4.2	20.6	4.6	30.8	6.3	30.9
Private truck	6.0	4.3	6.4	4.8	22.2	7.2	10.5
Rail	34.7	.4	34.9	.4	37.2	1.4	21.3
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	34.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	23.7
Truck and rail	S	S	S	S	S	S	20.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	40.6	.4	48.5	.4	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	13.2	—	16.6	—	18.0	—	23.7
Single modes	13.4	1.5	17.4	2.1	19.5	3.0	16.4
Truck	13.4	1.5	17.4	2.1	19.5	3.1	14.1
For-hire truck	20.1	1.4	31.1	2.2	26.5	7.6	13.7
Private truck	14.0	2.1	18.7	3.6	26.0	7.8	8.4
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	32.2	1.0	23.5	.6	29.8	2.7	9.6
Parcel, U.S. Postal Service or courier	32.2	1.0	23.5	.6	29.8	2.7	9.6
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	25.1	.8	41.1	1.6	S	S	S
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	38.1	—	27.9	—	42.3	—	S
Single modes	39.7	3.0	28.0	1.8	32.9	5.3	S
Truck	39.7	3.0	28.0	1.8	32.9	5.3	S
For-hire truck	S	S	38.3	8.5	30.2	7.5	S
Private truck	44.2	6.7	26.0	8.1	S	S	32.6
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	20.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	28.7
Truck and rail	S	S	S	S	S	S	20.5
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	45.1	1.9	S	S	S
SCTG 11, NATURAL SANDS							
Total	27.4	—	19.8	—	22.8	—	23.6
Single modes	26.7	.6	20.2	1.5	22.3	2.6	24.6
Truck	27.4	1.6	20.7	2.1	24.4	4.8	25.1
For-hire truck	47.9	7.5	43.2	7.9	37.2	8.3	21.0
Private truck	40.0	8.0	20.8	8.7	27.3	9.8	37.6
Rail	28.6	1.1	28.2	.9	35.6	2.7	19.4
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	23.2

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	9.3	—	10.0	—	16.1	—	10.6
Single modes	9.6	1.4	10.2	1.1	16.4	1.3	10.6
Truck	10.1	2.0	10.4	1.2	18.0	3.2	9.7
For-hire truck	18.7	3.9	22.6	4.4	24.8	4.3	12.9
Private truck	10.6	3.9	10.8	4.2	13.0	3.0	10.4
Rail	43.9	1.6	28.1	.5	43.3	2.9	23.6
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	25.8
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	23.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	19.3
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	15.6	—	21.5	—	19.5	—	14.8
Single modes	15.7	1.9	21.9	1.3	20.6	2.7	17.3
Truck	15.9	2.3	23.7	3.8	22.3	4.9	17.4
For-hire truck	18.2	4.7	19.6	7.1	26.1	6.0	19.7
Private truck	24.6	5.0	34.3	7.1	15.7	4.1	31.7
Rail	36.7	.3	44.8	.6	S	S	17.5
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	25.8
Parcel, U.S. Postal Service or courier	39.7	.2	39.4	—	38.8	—	20.7
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	44.2	1.7	S	S	S	S	S
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	23.3	—	26.7	—	S	S	14.4
Single modes	22.1	6.8	28.4	7.5	25.3	13.3	13.8
Truck	23.0	6.9	29.6	7.8	23.3	14.2	14.0
For-hire truck	25.8	8.2	29.2	8.7	20.5	13.5	15.6
Private truck	39.5	5.7	S	S	S	S	20.4
Rail	49.6	3.1	46.8	2.4	46.9	3.9	20.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	24.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	24.9
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	20.9

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	15.2	—	11.9	—	21.1	—	27.0
Single modes	15.0	4.2	12.5	3.8	21.8	1.0	28.7
Truck	28.8	6.5	19.9	6.8	17.1	8.8	30.2
For-hire truck	18.9	6.7	23.7	6.9	20.2	6.1	24.2
Private truck	S	S	S	S	36.1	5.2	50.0
Rail	21.6	5.7	21.9	6.1	28.9	9.2	11.1
Water	41.9	3.6	42.4	3.4	S	S	21.0
Shallow draft	41.9	3.6	42.4	3.4	S	S	21.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	27.4	1.0	28.0	.9	26.6	1.0	17.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	20.9
Rail and water	34.3	.7	34.8	.8	34.1	1.0	18.3
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	40.8	4.4	43.9	4.0	S	S	36.9
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	10.7	—	11.6	—	S	S	9.3
Single modes	10.7	.4	11.6	.4	S	S	7.7
Truck	7.9	4.4	7.3	5.4	10.9	13.1	7.7
For-hire truck	17.9	2.9	14.5	3.1	21.2	6.4	11.4
Private truck	9.4	3.7	8.7	3.8	11.2	8.8	5.5
Rail	S	S	S	S	S	S	21.2
Water	S	S	S	S	S	S	26.5
Shallow draft	S	S	S	S	S	S	25.1
Great Lakes	S	S	S	S	S	S	21.8
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	36.0	4.3	35.2	5.2	S	S	S
Multiple modes	S	S	S	S	S	S	23.8
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	23.8
Other and unknown modes	42.2	.4	42.3	.4	30.4	.2	S
SCTG 18, FUEL OILS							
Total	11.2	—	12.5	—	19.9	—	14.5
Single modes	11.6	1.7	12.9	2.1	22.9	6.0	15.2
Truck	13.2	5.7	14.1	6.2	24.1	8.1	15.0
For-hire truck	30.6	3.5	30.8	3.9	33.9	4.8	37.9
Private truck	9.7	5.3	11.3	5.7	25.6	6.9	14.7
Rail	S	S	S	S	S	S	21.8
Water	42.6	1.7	45.7	2.0	S	S	24.2
Shallow draft	S	S	S	S	S	S	28.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.0
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	38.6	4.8	42.7	5.1	S	S	S
Multiple modes	S	S	S	S	S	S	43.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	S	S	S	S	S	S	28.5

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	13.5	—	16.6	—	15.9	—	42.3
Single modes	13.6	.4	16.6	.4	16.2	1.0	48.5
Truck	12.3	4.8	16.8	3.9	15.0	5.5	18.9
For-hire truck	17.4	4.7	22.7	4.3	17.0	4.8	37.7
Private truck	17.1	5.0	17.8	4.6	24.2	4.8	13.0
Rail	42.4	2.6	37.7	2.3	32.5	6.1	21.6
Water	S	S	S	S	S	S	34.9
Shallow draft	S	S	S	S	S	S	33.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	19.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	37.6	.2	S	S	S	S	27.4
Parcel, U.S. Postal Service or courier	40.3	.2	36.8	—	S	S	26.5
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	24.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	20.5	.4	S	S	40.3	1.0	S
SCTG 20, BASIC CHEMICALS							
Total	13.7	—	17.8	—	21.0	—	17.2
Single modes	13.8	1.8	17.9	.4	21.4	1.3	24.5
Truck	15.3	2.8	19.3	4.8	15.0	7.7	24.3
For-hire truck	17.2	3.6	19.4	3.4	13.4	6.1	11.9
Private truck	16.5	2.2	22.5	4.0	28.9	3.3	30.3
Rail	24.6	1.1	35.5	3.2	29.8	4.8	37.0
Water	S	S	S	S	S	S	24.6
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	38.0
Air (includes truck and air)	47.0	.4	30.7	—	34.4	—	9.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	25.8	1.3	40.3	.2	S	S	12.8
Parcel, U.S. Postal Service or courier	27.5	1.3	S	S	42.8	.2	12.6
Truck and rail	34.2	.2	S	S	S	S	17.8
Truck and water	S	S	S	S	S	S	22.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	41.3
Other and unknown modes	25.7	1.0	25.2	.3	S	S	30.3
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	9.8	—	21.6	—	8.2	—	7.6
Single modes	9.3	4.0	25.7	3.9	9.9	4.5	16.1
Truck	10.1	4.3	26.4	4.1	11.0	4.8	12.2
For-hire truck	12.9	3.2	11.9	4.8	11.2	4.7	18.6
Private truck	13.1	2.5	S	S	19.6	1.4	13.3
Rail	48.1	—	S	S	S	S	20.8
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	39.4	1.3	23.1	.6	23.5	1.9	4.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	20.7	4.1	20.7	4.0	29.6	4.5	6.6
Parcel, U.S. Postal Service or courier	20.7	4.0	20.6	4.0	29.7	4.5	6.6
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	29.4	.3	34.7	.7	44.0	.9	39.5

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	27.2	—	37.8	—	41.1	—	22.3
Single modes	28.1	2.3	38.4	3.4	41.2	3.3	17.8
Truck	28.3	3.0	38.9	5.6	44.8	5.7	17.2
For-hire truck	44.4	8.2	S	S	S	S	36.4
Private truck	35.2	8.3	48.7	8.4	39.4	12.1	25.8
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	20.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.7
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	45.9	1.7	S	S	S	S	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	19.8	—	7.2	—	9.6	—	9.1
Single modes	19.9	1.9	7.5	.7	10.0	.8	11.4
Truck	20.3	2.0	7.3	1.4	10.1	3.2	10.5
For-hire truck	25.2	3.1	9.3	3.5	10.9	3.9	4.2
Private truck	12.3	2.9	14.4	2.9	19.3	1.6	20.6
Rail	29.9	.5	33.7	1.4	31.0	3.4	17.3
Water	S	S	S	S	S	S	22.3
Shallow draft	S	S	S	S	S	S	22.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	32.9	.4	46.6	.1	S	S	8.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	27.4	1.9	15.6	.5	16.7	.6	9.4
Parcel, U.S. Postal Service or courier	27.8	1.9	16.5	.5	15.5	.4	9.5
Truck and rail	37.6	.1	S	S	35.1	.4	18.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	39.6	.9	21.0	.6	30.3	.5	S
SCTG 24, PLASTICS AND RUBBER							
Total	3.7	—	23.4	—	14.9	—	7.8
Single modes	4.3	.9	24.4	1.0	15.9	1.3	8.5
Truck	4.4	1.4	25.5	3.0	15.0	2.6	8.8
For-hire truck	5.6	1.9	8.6	6.3	13.9	4.8	5.9
Private truck	8.5	2.2	38.7	7.2	42.5	4.6	18.5
Rail	42.7	1.0	S	S	S	S	11.9
Water	S	S	S	S	S	S	22.0
Shallow draft	S	S	S	S	S	S	22.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	16.7	.1	26.2	—	25.7	.1	7.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	7.5	1.0	13.9	.4	12.3	.8	8.6
Parcel, U.S. Postal Service or courier	7.7	.9	18.7	.4	13.8	.3	8.7
Truck and rail	18.6	.1	19.7	.2	20.3	.7	10.4
Truck and water	41.6	—	41.4	—	S	S	19.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	13.3	.5	19.8	.8	28.9	.9	23.0

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	39.9	—	47.3	—	S	S	S
Single modes	40.5	2.2	47.6	1.2	S	S	S
Truck	41.4	3.7	47.7	1.9	S	S	S
For-hire truck	S	S	S	S	S	S	S
Private truck	33.6	7.9	45.5	8.9	S	S	16.1
Rail	35.1	2.7	38.4	.8	32.5	3.8	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.6
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	44.0	2.2	S	S	S	S	27.2
SCTG 26, WOOD PRODUCTS							
Total	4.2	—	21.3	—	18.2	—	11.4
Single modes	4.2	1.2	20.7	1.0	11.3	3.7	8.0
Truck	4.2	1.3	21.0	1.0	11.9	3.7	7.8
For-hire truck	7.0	2.1	36.5	4.1	12.4	3.3	17.5
Private truck	6.1	2.2	19.6	4.6	16.6	3.1	5.7
Rail	19.7	.3	15.7	.4	22.3	2.3	9.3
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	39.0	—	43.9	—	16.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	38.1	1.1	19.9	—	24.1	.8	13.1
Parcel, U.S. Postal Service or courier	42.9	1.1	25.8	—	26.8	.2	13.1
Truck and rail	31.2	.1	31.1	—	27.6	.7	31.6
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	26.7	.7	49.0	1.0	S	S	20.4
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	6.1	—	9.6	—	7.1	—	20.7
Single modes	6.2	.7	9.7	.8	7.4	1.7	13.5
Truck	6.7	1.2	10.7	1.7	7.4	3.1	14.3
For-hire truck	8.4	2.2	12.8	2.2	7.4	2.9	12.3
Private truck	7.5	1.7	9.3	2.1	15.4	.6	12.1
Rail	9.2	1.1	14.6	1.8	19.4	3.0	16.4
Water	S	S	S	S	S	S	21.9
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	42.3	—	S	S	S	S	19.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	22.9	.6	23.9	.3	40.4	.8	S
Parcel, U.S. Postal Service or courier	25.1	.6	23.5	.2	25.0	—	S
Truck and rail	37.3	.2	37.5	.2	42.7	.8	16.0
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	17.4	.2	35.2	.7	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	6.7	—	6.4	—	13.9	—	9.9
Single modes	6.5	1.0	6.6	.6	14.7	1.4	14.3
Truck	6.4	1.1	6.6	.8	13.0	2.6	16.3
For-hire truck	8.6	2.9	10.5	3.9	13.3	3.0	10.3
Private truck	9.0	2.8	11.6	4.0	29.3	2.4	10.1
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	9.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	16.3	.8	16.2	.2	24.5	1.3	6.0
Parcel, U.S. Postal Service or courier	17.1	.8	18.0	.2	19.1	.7	6.0
Truck and rail	39.3	.1	41.2	.1	41.8	1.2	17.0
Truck and water	S	S	S	S	S	S	22.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	30.3	.6	26.0	.5	27.6	.4	S
SCTG 29, PRINTED PRODUCTS							
Total	34.2	—	10.4	—	21.4	—	10.9
Single modes	40.9	3.3	11.1	1.1	23.3	2.4	21.8
Truck	38.6	3.0	11.1	1.2	23.7	2.8	22.7
For-hire truck	S	S	18.7	4.1	27.4	4.2	16.7
Private truck	10.4	4.1	14.1	4.4	41.8	3.6	18.2
Rail	36.8	—	S	S	44.7	.1	23.6
Water	S	S	S	S	S	S	21.2
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.2
Air (includes truck and air)	S	S	33.7	.1	26.6	.8	9.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	19.6	2.9	17.2	.8	24.7	2.3	8.4
Parcel, U.S. Postal Service or courier	19.6	2.9	17.3	.8	25.0	2.3	8.4
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	S	S	S	S	S	S	21.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	22.7	1.3	19.7	.8	28.8	1.1	31.3
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	8.1	—	9.0	—	10.2	—	5.6
Single modes	8.1	2.4	8.6	1.6	10.9	2.4	4.5
Truck	8.3	2.4	8.7	1.5	11.4	2.4	4.4
For-hire truck	8.6	2.6	9.4	2.6	12.7	2.9	4.1
Private truck	15.4	2.3	12.7	2.3	14.8	1.6	10.0
Rail	S	S	S	S	S	S	21.3
Water	S	S	S	S	S	S	21.7
Shallow draft	S	S	S	S	S	S	22.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	24.3
Air (includes truck and air)	14.4	.2	12.9	—	17.0	.2	8.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	15.1	2.5	19.8	1.5	24.4	2.5	6.9
Parcel, U.S. Postal Service or courier	15.1	2.5	20.8	1.5	27.9	2.5	6.9
Truck and rail	33.6	—	32.5	—	36.9	.3	18.4
Truck and water	48.2	—	47.9	.3	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	19.7	.8	28.0	1.0	33.6	1.2	29.8

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	5.3	—	19.4	—	7.9	—	16.6
Single modes	5.8	2.1	19.9	.6	8.3	2.7	12.3
Truck	5.9	2.0	20.1	.8	7.2	2.9	12.8
For-hire truck	7.2	2.9	37.8	4.5	8.1	2.8	9.7
Private truck	10.9	2.3	13.2	4.6	7.8	1.8	7.8
Rail	34.4	.2	S	S	45.5	1.9	21.3
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	13.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	22.1	1.1	22.4	—	25.7	.2	9.7
Parcel, U.S. Postal Service or courier	22.4	1.1	17.3	—	30.5	.2	9.7
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	24.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	22.5	1.4	25.1	.6	28.0	2.7	17.6
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	14.2	—	16.0	—	19.7	—	9.6
Single modes	14.9	1.2	11.6	2.0	21.3	2.4	10.2
Truck	15.1	1.9	6.6	4.6	9.4	5.5	8.7
For-hire truck	20.6	2.5	9.4	3.3	11.5	4.5	5.3
Private truck	6.7	2.4	10.8	2.9	16.3	2.1	9.4
Rail	28.3	1.2	48.8	3.1	S	S	17.0
Water	S	S	S	S	S	S	24.6
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.7
Air (includes truck and air)	18.1	.2	31.5	—	30.7	.3	7.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	18.0	.8	36.9	.4	44.6	1.5	7.9
Parcel, U.S. Postal Service or courier	18.6	.6	25.1	.1	S	S	8.1
Truck and rail	40.4	.1	38.4	—	42.0	.2	17.5
Truck and water	S	S	S	S	S	S	20.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	39.0	1.0	S	S	22.7	1.4	30.4
SCTG 33, ARTICLES OF BASE METAL							
Total	5.4	—	10.4	—	9.5	—	12.1
Single modes	6.2	2.0	11.2	3.3	10.9	2.5	11.1
Truck	6.5	2.3	11.6	3.9	11.5	4.0	11.4
For-hire truck	7.7	2.6	15.8	4.1	12.8	4.0	5.8
Private truck	11.2	2.6	13.5	3.5	18.3	2.1	15.8
Rail	S	S	S	S	S	S	16.5
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	18.4	.2	31.4	.1	30.0	.4	8.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	9.9	1.5	18.6	.4	34.0	2.1	12.5
Parcel, U.S. Postal Service or courier	9.3	1.5	8.8	.3	17.9	.5	12.5
Truck and rail	S	S	S	S	S	S	19.4
Truck and water	S	S	S	S	S	S	22.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	18.8	1.0	47.1	3.4	15.4	1.9	28.6

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	4.2	—	6.3	—	8.0	—	9.5
Single modes	5.1	1.5	6.7	1.3	8.3	1.8	6.5
Truck	5.3	1.8	6.8	1.4	8.0	2.2	8.8
For-hire truck	5.9	1.9	9.3	3.0	8.9	2.5	7.4
Private truck	8.9	1.5	15.7	3.3	15.4	1.6	13.1
Rail	S	S	S	S	S	S	18.9
Water	S	S	S	S	S	S	28.3
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.0
Air (includes truck and air)	22.2	1.0	34.0	.4	42.2	.9	3.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	7.7	1.2	15.8	.7	23.1	1.5	8.3
Parcel, U.S. Postal Service or courier	7.8	1.3	7.8	.4	11.8	.6	8.3
Truck and rail	41.2	.3	48.4	.6	47.4	1.1	26.8
Truck and water	S	S	S	S	S	S	22.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	14.0	.6	25.6	.8	26.1	.6	39.0
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	5.9	—	5.2	—	6.2	—	8.1
Single modes	7.2	2.1	5.5	1.1	6.1	2.0	11.0
Truck	6.9	2.0	5.3	1.0	6.2	2.0	11.7
For-hire truck	9.3	2.4	6.5	1.9	6.9	2.6	3.7
Private truck	9.9	.9	8.1	1.5	22.4	1.9	19.5
Rail	45.0	—	43.7	.1	S	S	S
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	16.8	1.8	19.2	.5	21.7	1.0	3.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	8.5	1.9	10.6	.9	16.1	1.5	6.3
Parcel, U.S. Postal Service or courier	8.4	1.9	9.8	.7	8.6	.9	6.3
Truck and rail	S	S	44.4	.4	S	S	18.0
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.8
Other and unknown modes	13.1	.8	17.2	.8	39.1	1.2	S
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	8.8	—	9.5	—	11.0	—	12.9
Single modes	8.5	2.2	9.1	2.1	10.5	2.3	18.3
Truck	8.3	3.3	10.0	3.3	9.4	4.3	14.8
For-hire truck	12.3	3.5	14.3	2.8	14.5	3.9	9.2
Private truck	8.6	2.3	11.3	2.7	12.8	2.3	17.0
Rail	42.9	2.8	24.8	2.5	29.5	3.8	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	49.3	.6	47.9	.2	S	S	11.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	17.4	.9	21.9	.4	32.9	1.1	7.6
Parcel, U.S. Postal Service or courier	18.1	.9	15.1	.3	23.5	.7	7.6
Truck and rail	44.0	.2	S	S	S	S	21.1
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	33.8	2.0	27.4	1.8	33.3	1.5	S

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	11.5	—	25.5	—	42.0	—	9.9
Single modes	12.9	3.6	24.9	.6	40.7	.9	19.1
Truck	20.0	3.6	29.5	5.4	S	S	23.5
For-hire truck	23.7	3.0	29.5	5.5	S	S	14.0
Private truck	25.3	2.4	39.0	4.3	S	S	31.7
Rail	45.6	1.7	42.7	6.2	37.6	7.1	18.1
Water	.8	3.1	4.4	2.7	S	S	S
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	.4	3.1	2.8	2.7	S	S	22.0
Air (includes truck and air)	20.9	1.5	23.3	.3	31.2	1.0	11.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	18.3	3.4	S	S	S	S	7.2
Parcel, U.S. Postal Service or courier	18.4	3.4	31.9	.3	36.9	.7	7.2
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	18.7
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	8.7	—	12.7	—	13.5	—	6.7
Single modes	10.8	2.2	14.1	2.9	16.3	4.0	8.8
Truck	11.1	2.2	14.6	3.0	17.2	4.2	11.0
For-hire truck	12.0	1.8	15.0	3.2	18.1	4.4	7.0
Private truck	12.5	1.0	21.7	2.0	22.2	1.0	28.2
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	28.7	1.9	17.5	.7	18.4	1.1	3.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	9.6	2.3	16.1	2.9	21.2	3.7	7.0
Parcel, U.S. Postal Service or courier	9.6	2.3	16.1	2.9	21.3	3.8	7.0
Truck and rail	S	S	S	S	S	S	21.3
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	13.7	.4	41.2	1.3	35.7	2.2	20.6
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	8.9	—	10.0	—	10.5	—	8.7
Single modes	9.0	1.5	10.7	1.4	9.4	1.9	13.0
Truck	9.1	1.5	10.7	1.4	9.4	1.8	13.2
For-hire truck	12.1	3.1	11.6	3.5	10.6	3.1	6.1
Private truck	11.9	4.1	16.1	4.1	17.3	2.2	22.5
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	45.4	.1	19.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	29.6	1.0	22.9	.9	23.3	1.2	16.9
Parcel, U.S. Postal Service or courier	30.3	1.0	22.9	.5	28.0	1.0	16.8
Truck and rail	S	S	S	S	S	S	19.9
Truck and water	S	S	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	31.8	1.1	38.7	1.2	S	S	27.6

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	5.8	—	S	S	23.0	—	3.9
Single modes	8.8	2.3	S	S	26.6	2.2	7.5
Truck	9.1	2.2	S	S	27.8	2.5	8.9
For-hire truck	6.7	1.9	19.1	7.9	14.6	3.3	6.2
Private truck	24.1	2.7	S	S	S	S	22.2
Rail	S	S	S	S	45.8	1.4	S
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	26.3	.8	30.5	—	24.3	.2	5.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	7.4	2.3	12.0	2.0	14.6	2.2	3.4
Parcel, U.S. Postal Service or courier	7.2	2.2	11.7	1.9	13.9	1.8	3.4
Truck and rail	S	S	42.2	.1	48.8	.6	18.3
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.1
Other and unknown modes	20.8	1.0	10.7	.8	19.7	.7	31.3
SCTG 41, WASTE AND SCRAP							
Total	12.4	—	14.4	—	26.4	—	16.1
Single modes	11.5	1.3	14.1	2.4	15.2	7.8	17.0
Truck	11.7	2.5	15.7	4.2	18.7	7.8	18.0
For-hire truck	13.0	4.4	17.0	5.4	17.6	7.9	19.7
Private truck	22.9	4.5	34.3	5.4	48.0	5.8	20.0
Rail	29.8	1.8	29.8	3.2	29.5	4.4	23.7
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	43.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.5
Truck and rail	S	S	S	S	S	S	22.3
Truck and water	S	S	S	S	S	S	30.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	34.5	1.0	44.6	1.1	S	S	S
SCTG 43, MIXED FREIGHT							
Total	12.5	—	12.2	—	16.1	—	16.1
Single modes	13.4	1.4	12.5	1.1	15.5	3.5	15.9
Truck	13.5	1.5	12.5	1.1	15.9	3.8	15.2
For-hire truck	23.3	2.2	28.7	2.4	35.4	6.0	27.9
Private truck	15.0	3.0	12.9	2.8	13.0	6.8	15.3
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	43.1	—	S	S	S	S	17.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	22.4	1.2	27.2	.3	32.7	1.2	21.5
Parcel, U.S. Postal Service or courier	24.2	1.2	29.0	.3	28.3	1.1	21.6
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	41.9	.9	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	18.0	—	21.6	—	31.2	—	14.4
Single modes	22.5	4.2	19.9	4.6	21.6	8.8	29.1
Truck	23.1	4.6	21.0	6.3	24.5	9.4	39.5
For-hire truck	25.0	4.9	21.3	6.6	28.3	7.9	9.0
Private truck	37.4	4.2	29.1	6.8	21.5	2.6	S
Rail	S	S	S	S	S	S	23.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	39.1	.9	42.1	—	S	S	15.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	22.7	3.8	27.3	.9	29.6	3.6	10.8
Parcel, U.S. Postal Service or courier	23.2	3.8	27.0	.9	28.8	3.6	11.0
Truck and rail	S	S	S	S	S	S	22.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	40.7	2.2	S	S	S	S	19.3

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

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

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

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

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	3.7	4.5	4.3
Less than 50 miles	2.1	6.6	7.9
50 to 99 miles	5.6	7.3	7.5
100 to 249 miles	9.5	6.5	7.6
250 to 499 miles	4.5	6.3	8.3
500 to 749 miles	5.9	7.3	9.3
750 to 999 miles	5.1	17.1	17.1
1,000 to 1,499 miles	3.6	16.9	16.7
1,500 to 1,999 miles	9.4	21.1	22.9
2,000 miles or more	5.2	4.9	5.3
SCTG 01, Live animals and live fish	29.5	24.6	32.4
Less than 50 miles	S	S	S
50 to 99 miles	S	41.7	37.0
100 to 249 miles	28.0	21.3	21.5
250 to 499 miles	37.3	40.5	43.0
500 to 749 miles	38.0	39.8	39.7
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	31.4	20.9	35.9
Less than 50 miles	20.0	25.4	29.6
50 to 99 miles	33.5	41.0	40.4
100 to 249 miles	32.8	29.3	31.8
250 to 499 miles	S	35.5	37.7
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	20.7	25.0	17.6
Less than 50 miles	20.7	26.2	31.2
50 to 99 miles	S	46.2	43.1
100 to 249 miles	12.0	22.8	24.7
250 to 499 miles	20.1	38.3	36.2
500 to 749 miles	25.2	28.6	28.8
750 to 999 miles	30.5	40.7	39.8
1,000 to 1,499 miles	37.0	46.2	39.4
1,500 to 1,999 miles	34.1	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	15.9	21.4	14.4
Less than 50 miles	23.5	27.5	31.0
50 to 99 miles	29.4	34.8	35.6
100 to 249 miles	20.2	21.6	19.9
250 to 499 miles	27.2	23.2	23.1
500 to 749 miles	28.1	28.6	28.3
750 to 999 miles	31.7	30.8	30.6
1,000 to 1,499 miles	37.2	26.5	26.7
1,500 to 1,999 miles	49.9	35.9	36.0
2,000 miles or more	48.9	32.0	32.6
SCTG 05, Meat, fish, seafood, and their preparations	10.2	10.1	22.8
Less than 50 miles	10.5	11.7	12.3
50 to 99 miles	13.1	10.1	10.0
100 to 249 miles	10.8	13.2	12.7
250 to 499 miles	14.4	14.7	16.2
500 to 749 miles	32.3	33.1	35.2
750 to 999 miles	44.5	35.4	34.9
1,000 to 1,499 miles	31.9	35.1	35.9
1,500 to 1,999 miles	38.3	42.7	42.7
2,000 miles or more	23.1	27.0	27.0
SCTG 06, Milled grain products and preparations, and bakery products	10.0	9.4	10.3
Less than 50 miles	14.8	15.7	20.0
50 to 99 miles	18.9	16.7	17.1
100 to 249 miles	11.6	13.7	13.4
250 to 499 miles	11.1	12.2	11.6
500 to 749 miles	15.4	18.8	18.6
750 to 999 miles	18.8	15.8	16.2
1,000 to 1,499 miles	16.4	15.0	15.8
1,500 to 1,999 miles	43.1	27.0	26.9
2,000 miles or more	16.2	26.2	25.9
SCTG 07, Other prepared foodstuffs and fats and oils	5.1	6.9	9.5
Less than 50 miles	5.7	11.3	16.1
50 to 99 miles	9.8	11.1	10.9
100 to 249 miles	8.4	9.1	10.3
250 to 499 miles	13.3	10.6	10.4
500 to 749 miles	14.5	21.0	22.1
750 to 999 miles	13.9	17.6	16.9
1,000 to 1,499 miles	11.7	12.6	12.4
1,500 to 1,999 miles	19.6	22.9	21.9
2,000 miles or more	13.2	13.1	13.2

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	7.9	10.3	24.8
Less than 50 miles	5.4	5.4	5.9
50 to 99 miles	14.6	17.7	17.9
100 to 249 miles	27.6	27.2	27.4
250 to 499 miles	29.5	26.6	27.2
500 to 749 miles	39.5	38.4	40.8
750 to 999 miles	45.1	44.8	44.3
1,000 to 1,499 miles	40.0	40.5	40.3
1,500 to 1,999 miles	48.3	43.6	42.1
2,000 miles or more	40.3	35.4	38.2
SCTG 09, Tobacco products	13.2	16.6	18.0
Less than 50 miles	13.6	16.9	19.3
50 to 99 miles	26.7	31.4	31.4
100 to 249 miles	27.0	27.0	28.6
250 to 499 miles	27.3	S	S
500 to 749 miles	33.0	42.1	44.0
750 to 999 miles	30.2	31.8	31.4
1,000 to 1,499 miles	32.5	27.9	27.4
1,500 to 1,999 miles	38.4	40.8	39.6
2,000 miles or more	27.8	31.1	30.4
SCTG 10, Monumental or building stone	38.1	27.9	42.3
Less than 50 miles	S	29.8	31.4
50 to 99 miles	S	40.4	38.7
100 to 249 miles	30.7	49.5	49.0
250 to 499 miles	42.7	S	S
500 to 749 miles	32.4	37.5	37.1
750 to 999 miles	32.0	34.2	34.1
1,000 to 1,499 miles	49.0	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	27.4	19.8	22.8
Less than 50 miles	22.9	22.4	31.0
50 to 99 miles	43.0	40.8	43.6
100 to 249 miles	S	38.4	32.0
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	41.9	S	S
1,000 to 1,499 miles	48.9	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	9.3	10.0	16.1
Less than 50 miles	10.2	9.6	16.0
50 to 99 miles	19.8	32.8	30.7
100 to 249 miles	27.7	27.4	26.8
250 to 499 miles	37.5	46.5	41.9
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	15.6	21.5	19.5
Less than 50 miles	20.8	28.4	37.7
50 to 99 miles	18.5	39.2	38.2
100 to 249 miles	19.3	21.7	21.1
250 to 499 miles	36.3	42.2	46.8
500 to 749 miles	23.0	44.8	44.0
750 to 999 miles	30.5	34.0	33.5
1,000 to 1,499 miles	39.8	31.4	32.6
1,500 to 1,999 miles	43.8	35.1	34.3
2,000 miles or more	44.5	31.4	31.6
SCTG 14, Metallic ores and concentrates	23.3	26.7	S
Less than 50 miles	27.3	38.4	30.9
50 to 99 miles	39.2	S	S
100 to 249 miles	36.0	28.8	34.3
250 to 499 miles	35.6	35.8	36.4
500 to 749 miles	30.0	32.5	32.3
750 to 999 miles	39.3	41.2	40.9
1,000 to 1,499 miles	41.1	41.1	40.6
1,500 to 1,999 miles	41.5	S	S
2,000 miles or more	46.3	S	S
SCTG 15, Coal	15.2	11.9	21.1
Less than 50 miles	26.3	15.8	16.8
50 to 99 miles	22.5	25.2	26.3
100 to 249 miles	17.0	18.5	19.7
250 to 499 miles	20.0	19.7	25.3
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	10.7	11.6	S
Less than 50 miles	10.5	11.4	10.7
50 to 99 miles	22.0	22.3	22.6
100 to 249 miles	31.0	32.7	34.8
250 to 499 miles	41.3	40.8	41.9
500 to 749 miles	—	—	—
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	11.2	12.5	19.9
Less than 50 miles	12.7	12.9	12.3
50 to 99 miles	27.4	30.9	34.6
100 to 249 miles	41.2	45.2	38.3
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	13.5	16.6	15.9
Less than 50 miles	20.8	19.3	23.3
50 to 99 miles	18.8	21.9	22.7
100 to 249 miles	21.4	22.6	24.5
250 to 499 miles	38.3	41.3	41.3
500 to 749 miles	27.3	40.6	40.9
750 to 999 miles	38.6	47.5	S
1,000 to 1,499 miles	48.0	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	35.6	39.5	40.2
SCTG 20, Basic chemicals	13.7	17.8	21.0
Less than 50 miles	18.3	21.9	27.2
50 to 99 miles	19.3	23.2	26.1
100 to 249 miles	31.6	23.6	23.2
250 to 499 miles	15.3	27.6	28.0
500 to 749 miles	14.9	20.2	19.9
750 to 999 miles	16.2	20.1	20.0
1,000 to 1,499 miles	13.9	47.7	45.6
1,500 to 1,999 miles	17.4	44.0	48.0
2,000 miles or more	11.2	13.3	13.2
SCTG 21, Pharmaceutical products	9.8	21.6	8.2
Less than 50 miles	11.3	S	32.1
50 to 99 miles	18.3	19.8	26.5
100 to 249 miles	18.3	22.2	20.1
250 to 499 miles	13.8	17.7	17.1
500 to 749 miles	13.1	14.7	14.7
750 to 999 miles	32.8	26.4	27.1
1,000 to 1,499 miles	33.0	22.7	22.2
1,500 to 1,999 miles	44.3	20.9	20.9
2,000 miles or more	25.4	14.8	14.9
SCTG 22, Fertilizers	27.2	37.8	41.1
Less than 50 miles	37.2	47.5	S
50 to 99 miles	37.4	S	S
100 to 249 miles	48.5	S	S
250 to 499 miles	S	S	S
500 to 749 miles	44.8	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	19.8	7.2	9.6
Less than 50 miles	9.3	11.2	11.2
50 to 99 miles	12.3	17.7	15.0
100 to 249 miles	27.0	12.5	12.6
250 to 499 miles	20.3	14.1	15.3
500 to 749 miles	43.2	11.2	11.7
750 to 999 miles	24.8	17.6	17.8
1,000 to 1,499 miles	19.7	17.2	17.8
1,500 to 1,999 miles	S	18.4	18.3
2,000 miles or more	32.1	20.5	18.5
SCTG 24, Plastics and rubber	3.7	23.4	14.9
Less than 50 miles	8.2	30.3	36.9
50 to 99 miles	6.7	36.0	34.0
100 to 249 miles	3.9	47.4	S
250 to 499 miles	7.5	12.5	11.8
500 to 749 miles	9.2	18.9	18.6
750 to 999 miles	4.9	10.1	10.0
1,000 to 1,499 miles	10.5	27.1	32.2
1,500 to 1,999 miles	9.8	16.9	16.7
2,000 miles or more	9.1	24.0	26.6

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	39.9	47.3	S
Less than 50 miles	46.0	S	36.0
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	48.9	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	4.2	21.3	18.2
Less than 50 miles	6.0	30.5	25.4
50 to 99 miles	5.7	7.7	7.8
100 to 249 miles	7.3	10.2	10.8
250 to 499 miles	9.4	14.3	15.5
500 to 749 miles	26.5	34.7	34.5
750 to 999 miles	17.7	28.4	26.8
1,000 to 1,499 miles	17.2	36.6	34.7
1,500 to 1,999 miles	37.2	48.4	S
2,000 miles or more	17.4	25.9	25.7
SCTG 27, Pulp, newsprint, paper, and paperboard	6.1	9.6	7.1
Less than 50 miles	7.5	19.8	21.9
50 to 99 miles	12.4	11.7	11.6
100 to 249 miles	14.5	12.8	10.8
250 to 499 miles	9.9	11.6	11.7
500 to 749 miles	7.2	7.9	7.9
750 to 999 miles	10.2	10.0	9.8
1,000 to 1,499 miles	9.7	9.8	10.5
1,500 to 1,999 miles	25.6	24.3	24.3
2,000 miles or more	12.8	18.1	20.9
SCTG 28, Paper or paperboard articles	6.7	6.4	13.9
Less than 50 miles	7.1	8.8	10.6
50 to 99 miles	10.9	11.5	12.4
100 to 249 miles	10.9	12.1	13.2
250 to 499 miles	17.8	16.7	17.0
500 to 749 miles	25.3	31.1	31.1
750 to 999 miles	18.6	17.3	16.9
1,000 to 1,499 miles	13.4	17.7	18.5
1,500 to 1,999 miles	21.1	37.7	35.9
2,000 miles or more	32.2	42.2	40.7
SCTG 29, Printed products	34.2	10.4	21.4
Less than 50 miles	12.3	11.8	16.8
50 to 99 miles	43.6	19.4	21.1
100 to 249 miles	S	24.7	27.5
250 to 499 miles	41.2	15.2	16.3
500 to 749 miles	39.6	33.3	34.9
750 to 999 miles	31.9	21.5	21.3
1,000 to 1,499 miles	28.3	15.6	16.2
1,500 to 1,999 miles	S	47.7	45.5
2,000 miles or more	44.6	35.2	34.3
SCTG 30, Textiles, leather, and articles of textiles or leather	8.1	9.0	10.2
Less than 50 miles	7.1	12.4	10.8
50 to 99 miles	13.8	13.1	11.8
100 to 249 miles	8.1	9.4	8.9
250 to 499 miles	8.9	11.2	11.7
500 to 749 miles	9.7	10.3	10.3
750 to 999 miles	26.6	25.5	23.9
1,000 to 1,499 miles	12.5	18.2	19.0
1,500 to 1,999 miles	14.2	12.7	12.8
2,000 miles or more	11.6	10.9	10.9
SCTG 31, Nonmetallic mineral products	5.3	19.4	7.9
Less than 50 miles	11.4	25.5	20.6
50 to 99 miles	10.1	9.1	8.4
100 to 249 miles	8.2	14.3	17.4
250 to 499 miles	7.6	9.3	9.3
500 to 749 miles	13.2	12.4	12.7
750 to 999 miles	19.1	15.8	15.5
1,000 to 1,499 miles	14.8	19.1	17.8
1,500 to 1,999 miles	21.4	27.4	28.3
2,000 miles or more	12.8	34.0	31.8
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	14.2	16.0	19.7
Less than 50 miles	8.7	26.6	12.4
50 to 99 miles	10.4	9.3	9.4
100 to 249 miles	12.3	11.1	14.0
250 to 499 miles	29.5	12.8	13.2
500 to 749 miles	21.8	14.1	15.6
750 to 999 miles	18.9	S	S
1,000 to 1,499 miles	12.0	13.4	14.8
1,500 to 1,999 miles	18.4	22.8	21.8
2,000 miles or more	24.8	21.7	22.2

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	5.4	10.4	9.5
Less than 50 miles	7.4	13.6	16.6
50 to 99 miles	9.9	21.2	20.4
100 to 249 miles	9.8	22.2	27.5
250 to 499 miles	8.0	16.8	16.8
500 to 749 miles	8.1	12.2	12.4
750 to 999 miles	13.9	10.5	11.9
1,000 to 1,499 miles	10.4	14.9	17.0
1,500 to 1,999 miles	20.3	42.1	39.9
2,000 miles or more	16.7	18.2	18.8
SCTG 34, Machinery	4.2	6.3	8.0
Less than 50 miles	6.1	13.0	13.3
50 to 99 miles	10.7	14.4	14.1
100 to 249 miles	7.9	11.0	12.1
250 to 499 miles	9.7	12.1	11.7
500 to 749 miles	6.6	10.4	10.6
750 to 999 miles	14.1	14.5	14.6
1,000 to 1,499 miles	10.3	13.0	12.5
1,500 to 1,999 miles	14.3	17.3	16.7
2,000 miles or more	14.9	15.2	16.0
SCTG 35, Electronic and other electrical equipment and components and office equipment	5.9	5.2	6.2
Less than 50 miles	7.4	7.4	9.4
50 to 99 miles	28.0	12.4	12.5
100 to 249 miles	7.2	7.0	6.6
250 to 499 miles	8.8	16.9	16.3
500 to 749 miles	16.8	14.5	14.3
750 to 999 miles	10.7	14.4	14.2
1,000 to 1,499 miles	11.6	11.0	10.5
1,500 to 1,999 miles	15.1	16.7	16.6
2,000 miles or more	8.6	11.1	11.2
SCTG 36, Motorized and other vehicles (including parts)	8.8	9.5	11.0
Less than 50 miles	12.1	13.9	18.2
50 to 99 miles	16.9	16.4	16.0
100 to 249 miles	9.8	8.6	8.6
250 to 499 miles	15.5	13.6	15.3
500 to 749 miles	19.6	23.6	22.2
750 to 999 miles	17.5	15.8	16.3
1,000 to 1,499 miles	17.3	29.2	29.3
1,500 to 1,999 miles	22.5	25.2	25.0
2,000 miles or more	17.7	14.3	14.4
SCTG 37, Transportation equipment, n.e.c.	11.5	25.5	42.0
Less than 50 miles	13.5	23.1	27.4
50 to 99 miles	24.4	20.3	20.7
100 to 249 miles	14.6	24.4	24.5
250 to 499 miles	28.4	S	S
500 to 749 miles	28.4	S	S
750 to 999 miles	15.3	27.7	28.6
1,000 to 1,499 miles	24.5	35.4	37.8
1,500 to 1,999 miles	40.3	S	S
2,000 miles or more	25.6	S	S
SCTG 38, Precision instruments and apparatus	8.7	12.7	13.5
Less than 50 miles	9.8	15.8	19.4
50 to 99 miles	18.1	24.3	24.1
100 to 249 miles	11.4	15.6	15.0
250 to 499 miles	16.6	23.1	20.8
500 to 749 miles	12.7	26.6	26.4
750 to 999 miles	12.8	15.9	16.3
1,000 to 1,499 miles	11.4	13.4	13.1
1,500 to 1,999 miles	16.4	28.6	28.8
2,000 miles or more	15.5	24.1	23.8
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.9	10.0	10.5
Less than 50 miles	12.6	15.0	16.6
50 to 99 miles	13.5	17.3	17.0
100 to 249 miles	12.5	15.5	13.6
250 to 499 miles	19.1	15.7	16.7
500 to 749 miles	12.1	16.9	18.7
750 to 999 miles	16.3	16.1	16.4
1,000 to 1,499 miles	15.8	14.9	15.0
1,500 to 1,999 miles	25.0	26.8	26.4
2,000 miles or more	15.6	18.0	17.9
SCTG 40, Miscellaneous manufactured products	5.8	S	23.0
Less than 50 miles	10.1	S	26.0
50 to 99 miles	23.4	37.7	34.1
100 to 249 miles	7.2	17.4	15.8
250 to 499 miles	8.8	19.9	18.9
500 to 749 miles	7.7	13.8	14.6
750 to 999 miles	10.9	13.3	13.0
1,000 to 1,499 miles	6.8	13.3	13.8
1,500 to 1,999 miles	20.2	S	S
2,000 miles or more	6.8	18.5	17.9

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	12.4	14.4	26.4
Less than 50 miles	23.2	19.6	27.6
50 to 99 miles	18.0	16.4	18.7
100 to 249 miles	17.6	30.7	36.4
250 to 499 miles	19.0	26.5	26.7
500 to 749 miles	42.3	S	S
750 to 999 miles	38.5	42.5	S
1,000 to 1,499 miles	44.9	41.0	43.9
1,500 to 1,999 miles	S	S	S
2,000 miles or more	42.7	40.8	39.4
SCTG 43, Mixed freight	12.5	12.2	16.1
Less than 50 miles	14.2	14.6	13.6
50 to 99 miles	18.1	15.0	14.4
100 to 249 miles	10.5	11.7	11.7
250 to 499 miles	15.7	27.7	28.5
500 to 749 miles	47.3	39.1	41.3
750 to 999 miles	S	39.7	38.7
1,000 to 1,499 miles	29.5	39.4	39.2
1,500 to 1,999 miles	32.7	S	49.0
2,000 miles or more	S	47.4	45.7
Commodity unknown	18.0	21.6	31.2
Less than 50 miles	32.7	28.8	45.5
50 to 99 miles	25.8	30.3	26.1
100 to 249 miles	22.8	30.7	33.4
250 to 499 miles	17.4	20.2	20.3
500 to 749 miles	34.4	32.0	32.0
750 to 999 miles	20.3	24.2	24.8
1,000 to 1,499 miles	23.1	S	S
1,500 to 1,999 miles	40.5	S	S
2,000 miles or more	25.4	S	S

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

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

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

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

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	3.7	4.5	4.3
Less than 50 lb	4.7	6.9	7.7
50 to 99 lb	5.3	5.8	8.9
100 to 499 lb	6.3	4.7	8.5
500 to 749 lb	4.4	4.9	9.9
750 to 999 lb	9.7	4.4	19.7
1,000 to 9,999 lb	7.8	2.6	4.0
10,000 to 49,999 lb	3.6	6.6	3.0
50,000 to 99,999 lb	5.6	8.3	10.8
100,000 lb or more	11.0	11.8	13.2
SCTG 01, Live animals and live fish	29.5	24.6	32.4
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	44.4
500 to 749 lb	S	S	48.9
750 to 999 lb	48.8	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	21.6	23.3	32.3
50,000 to 99,999 lb	37.9	39.0	41.5
100,000 lb or more	44.4	44.4	48.6
SCTG 02, Cereal grains	31.4	20.9	35.9
Less than 50 lb	S	S	S
50 to 99 lb	S	S	43.0
100 to 499 lb	S	S	45.8
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	38.9	S	S
10,000 to 49,999 lb	44.2	25.9	S
50,000 to 99,999 lb	34.5	35.8	30.2
100,000 lb or more	46.9	49.1	S
SCTG 03, Other agricultural products	20.7	25.0	17.6
Less than 50 lb	25.3	18.5	44.1
50 to 99 lb	17.6	21.4	48.3
100 to 499 lb	27.2	27.7	26.6
500 to 749 lb	30.4	32.3	29.9
750 to 999 lb	28.1	25.8	27.8
1,000 to 9,999 lb	26.8	43.7	41.7
10,000 to 49,999 lb	27.7	27.8	22.3
50,000 to 99,999 lb	27.9	41.3	37.7
100,000 lb or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	15.9	21.4	14.4
Less than 50 lb	44.1	38.0	46.0
50 to 99 lb	S	31.4	S
100 to 499 lb	35.6	29.3	46.3
500 to 749 lb	33.7	32.6	S
750 to 999 lb	42.0	44.4	S
1,000 to 9,999 lb	33.0	27.1	26.4
10,000 to 49,999 lb	17.7	23.3	15.8
50,000 to 99,999 lb	33.6	42.8	28.5
100,000 lb or more	38.1	45.4	49.0
SCTG 05, Meat, fish, seafood, and their preparations	10.2	10.1	22.8
Less than 50 lb	27.7	24.9	S
50 to 99 lb	20.9	18.4	20.6
100 to 499 lb	10.6	11.3	15.0
500 to 749 lb	13.6	12.8	32.1
750 to 999 lb	14.7	16.4	16.5
1,000 to 9,999 lb	12.8	12.8	21.2
10,000 to 49,999 lb	15.0	14.6	25.6
50,000 to 99,999 lb	S	S	40.6
100,000 lb or more	47.6	46.1	S
SCTG 06, Milled grain products and preparations, and bakery products	10.0	9.4	10.3
Less than 50 lb	35.3	36.2	26.9
50 to 99 lb	23.5	25.2	37.6
100 to 499 lb	25.7	25.6	32.7
500 to 749 lb	19.6	18.0	18.1
750 to 999 lb	19.5	21.7	26.9
1,000 to 9,999 lb	13.1	15.1	17.1
10,000 to 49,999 lb	12.0	11.0	11.2
50,000 to 99,999 lb	49.1	19.8	19.9
100,000 lb or more	40.4	28.5	S
SCTG 07, Other prepared foodstuffs and fats and oils	5.1	6.9	9.5
Less than 50 lb	30.2	29.4	27.2
50 to 99 lb	22.9	30.3	28.8
100 to 499 lb	14.1	21.5	21.4
500 to 749 lb	17.6	14.1	18.6
750 to 999 lb	11.7	9.4	18.9
1,000 to 9,999 lb	6.9	6.0	9.8
10,000 to 49,999 lb	6.1	7.5	10.9
50,000 to 99,999 lb	27.6	30.2	22.5
100,000 lb or more	35.7	S	38.7

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	7.9	10.3	24.8
Less than 50 lb	28.0	42.4	S
50 to 99 lb	22.1	10.8	32.8
100 to 499 lb	10.6	9.0	10.2
500 to 749 lb	13.8	14.6	16.5
750 to 999 lb	10.2	9.9	10.5
1,000 to 9,999 lb	6.4	8.0	11.8
10,000 to 49,999 lb	19.5	18.7	27.5
50,000 to 99,999 lb	32.3	30.4	44.5
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	13.2	16.6	18.0
Less than 50 lb	17.6	17.3	20.3
50 to 99 lb	14.5	14.8	21.1
100 to 499 lb	12.0	9.8	18.4
500 to 749 lb	13.6	10.6	28.9
750 to 999 lb	22.8	19.0	35.4
1,000 to 9,999 lb	27.7	34.8	26.4
10,000 to 49,999 lb	33.7	34.9	45.2
50,000 to 99,999 lb	—	—	—
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	38.1	27.9	42.3
Less than 50 lb	S	S	S
50 to 99 lb	37.1	37.3	S
100 to 499 lb	39.0	43.2	29.9
500 to 749 lb	S	29.9	38.4
750 to 999 lb	S	S	28.8
1,000 to 9,999 lb	S	S	38.1
10,000 to 49,999 lb	40.8	31.3	S
50,000 to 99,999 lb	S	48.6	47.0
100,000 lb or more	S	S	S
SCTG 11, Natural sands	27.4	19.8	22.8
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	42.1	46.8	45.2
500 to 749 lb	37.2	37.2	49.5
750 to 999 lb	S	39.7	S
1,000 to 9,999 lb	41.0	22.8	S
10,000 to 49,999 lb	39.2	21.6	28.5
50,000 to 99,999 lb	29.5	34.9	32.0
100,000 lb or more	29.3	33.1	32.3
SCTG 12, Gravel and crushed stone	9.3	10.0	16.1
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	33.7	S
500 to 749 lb	S	41.7	S
750 to 999 lb	34.4	34.2	S
1,000 to 9,999 lb	12.7	17.1	31.2
10,000 to 49,999 lb	12.0	16.2	26.3
50,000 to 99,999 lb	10.2	10.6	13.6
100,000 lb or more	26.7	23.2	22.6
SCTG 13, Nonmetallic minerals n.e.c.	15.6	21.5	19.5
Less than 50 lb	34.0	28.1	37.5
50 to 99 lb	S	40.6	50.0
100 to 499 lb	34.0	30.6	46.3
500 to 749 lb	S	S	36.8
750 to 999 lb	49.1	S	S
1,000 to 9,999 lb	25.6	18.0	22.0
10,000 to 49,999 lb	22.4	22.0	21.5
50,000 to 99,999 lb	32.3	29.7	35.4
100,000 lb or more	36.6	48.2	32.4
SCTG 14, Metallic ores and concentrates	23.3	26.7	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	40.9	47.0	42.5
750 to 999 lb	S	S	S
1,000 to 9,999 lb	42.2	36.3	45.6
10,000 to 49,999 lb	23.5	21.2	S
50,000 to 99,999 lb	28.6	38.5	S
100,000 lb or more	42.9	39.9	42.9
SCTG 15, Coal	15.2	11.9	21.1
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	40.0	23.2	27.6
10,000 to 49,999 lb	39.4	21.1	17.0
50,000 to 99,999 lb	32.2	33.7	20.6
100,000 lb or more	16.4	17.6	23.2

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	10.7	11.6	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	48.2	S	32.7
750 to 999 lb	S	S	S
1,000 to 9,999 lb	36.6	28.0	25.8
10,000 to 49,999 lb	12.2	16.4	18.4
50,000 to 99,999 lb	11.5	10.6	17.6
100,000 lb or more	10.3	8.7	10.8
100,000 lb or more	26.5	27.4	S
SCTG 18, Fuel oils	11.2	12.5	19.9
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	43.8	S
500 to 749 lb	27.9	24.0	29.4
750 to 999 lb	23.8	22.3	26.1
1,000 to 9,999 lb	15.7	16.7	16.1
10,000 to 49,999 lb	22.3	24.1	42.4
50,000 to 99,999 lb	13.1	15.5	21.5
100,000 lb or more	34.7	38.9	44.7
SCTG 19, Coal and petroleum products, n.e.c.	13.5	16.6	15.9
Less than 50 lb	17.6	17.3	26.1
50 to 99 lb	S	23.3	S
100 to 499 lb	13.5	16.5	18.3
500 to 749 lb	21.9	18.7	22.9
750 to 999 lb	16.7	16.7	22.2
1,000 to 9,999 lb	14.4	12.1	17.9
10,000 to 49,999 lb	18.8	21.1	19.1
50,000 to 99,999 lb	19.4	28.1	25.1
100,000 lb or more	35.1	33.4	25.4
SCTG 20, Basic chemicals	13.7	17.8	21.0
Less than 50 lb	20.4	37.9	31.7
50 to 99 lb	36.8	33.6	26.0
100 to 499 lb	30.8	23.6	26.8
500 to 749 lb	13.3	25.1	18.2
750 to 999 lb	19.0	20.9	23.3
1,000 to 9,999 lb	22.4	21.6	17.9
10,000 to 49,999 lb	14.3	22.7	18.9
50,000 to 99,999 lb	21.9	48.4	23.9
100,000 lb or more	28.9	30.1	37.9
SCTG 21, Pharmaceutical products	9.8	21.6	8.2
Less than 50 lb	17.9	17.5	24.1
50 to 99 lb	21.9	33.2	36.2
100 to 499 lb	16.1	18.8	18.6
500 to 749 lb	21.2	18.3	32.3
750 to 999 lb	49.6	21.1	23.8
1,000 to 9,999 lb	13.2	20.0	28.4
10,000 to 49,999 lb	22.0	47.5	15.6
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	27.2	37.8	41.1
Less than 50 lb	S	49.8	S
50 to 99 lb	39.8	S	S
100 to 499 lb	15.3	23.5	S
500 to 749 lb	41.9	44.4	42.6
750 to 999 lb	33.9	43.9	S
1,000 to 9,999 lb	33.2	33.3	37.0
10,000 to 49,999 lb	39.4	49.1	S
50,000 to 99,999 lb	48.3	44.6	S
100,000 lb or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	19.8	7.2	9.6
Less than 50 lb	14.3	11.0	12.8
50 to 99 lb	20.0	17.3	20.2
100 to 499 lb	32.3	9.2	15.3
500 to 749 lb	34.8	16.1	16.7
750 to 999 lb	24.0	13.6	15.9
1,000 to 9,999 lb	30.9	9.9	17.6
10,000 to 49,999 lb	8.4	9.4	11.8
50,000 to 99,999 lb	34.0	32.1	30.6
100,000 lb or more	44.8	34.0	34.8
SCTG 24, Plastics and rubber	3.7	23.4	14.9
Less than 50 lb	8.4	7.2	9.9
50 to 99 lb	7.6	8.9	15.4
100 to 499 lb	6.7	9.4	13.1
500 to 749 lb	8.1	8.1	12.6
750 to 999 lb	6.8	8.7	10.2
1,000 to 9,999 lb	7.9	9.0	9.8
10,000 to 49,999 lb	5.9	8.8	10.5
50,000 to 99,999 lb	35.4	41.5	33.5
100,000 lb or more	38.0	45.6	39.7

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	39.9	47.3	S
Less than 50 lb	S	46.1	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	39.4	S	44.6
750 to 999 lb	49.4	S	S
1,000 to 9,999 lb	S	35.8	41.5
10,000 to 49,999 lb	32.2	43.8	36.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	27.9	S	S
SCTG 26, Wood products	4.2	21.3	18.2
Less than 50 lb	33.7	25.0	45.4
50 to 99 lb	18.0	17.6	28.7
100 to 499 lb	16.1	11.4	20.5
500 to 749 lb	14.3	12.0	18.8
750 to 999 lb	15.7	10.2	20.2
1,000 to 9,999 lb	11.0	8.8	8.1
10,000 to 49,999 lb	6.3	31.8	14.0
50,000 to 99,999 lb	11.4	29.3	14.4
100,000 lb or more	20.5	25.5	36.4
SCTG 27, Pulp, newsprint, paper, and paperboard	6.1	9.6	7.1
Less than 50 lb	29.5	38.3	26.3
50 to 99 lb	17.1	15.0	19.0
100 to 499 lb	8.7	9.3	10.9
500 to 749 lb	15.7	12.6	13.6
750 to 999 lb	16.6	20.6	27.1
1,000 to 9,999 lb	8.4	8.5	12.9
10,000 to 49,999 lb	9.0	10.7	7.8
50,000 to 99,999 lb	25.6	S	23.9
100,000 lb or more	9.1	13.3	19.3
SCTG 28, Paper or paperboard articles	6.7	6.4	13.9
Less than 50 lb	13.5	14.5	20.6
50 to 99 lb	16.6	14.2	18.7
100 to 499 lb	9.2	9.5	16.0
500 to 749 lb	12.6	14.3	16.2
750 to 999 lb	16.3	16.0	14.2
1,000 to 9,999 lb	7.0	8.1	34.1
10,000 to 49,999 lb	11.6	9.7	14.2
50,000 to 99,999 lb	31.5	39.8	43.3
100,000 lb or more	S	42.3	S
SCTG 29, Printed products	34.2	10.4	21.4
Less than 50 lb	17.6	21.4	21.6
50 to 99 lb	26.2	16.4	37.5
100 to 499 lb	43.0	20.5	S
500 to 749 lb	29.8	22.3	S
750 to 999 lb	S	39.5	S
1,000 to 9,999 lb	S	19.0	30.1
10,000 to 49,999 lb	13.1	10.3	20.5
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	49.4	42.0
SCTG 30, Textiles, leather, and articles of textiles or leather	8.1	9.0	10.2
Less than 50 lb	11.2	15.3	17.2
50 to 99 lb	22.6	25.6	33.7
100 to 499 lb	17.7	21.2	27.3
500 to 749 lb	9.5	17.7	12.8
750 to 999 lb	15.0	10.3	11.0
1,000 to 9,999 lb	8.8	10.0	15.4
10,000 to 49,999 lb	7.9	12.8	10.5
50,000 to 99,999 lb	41.2	S	S
100,000 lb or more	43.2	44.1	S
SCTG 31, Nonmetallic mineral products	5.3	19.4	7.9
Less than 50 lb	25.3	17.3	36.8
50 to 99 lb	15.8	13.7	18.7
100 to 499 lb	10.9	11.2	16.3
500 to 749 lb	13.8	12.8	14.8
750 to 999 lb	16.7	19.4	41.6
1,000 to 9,999 lb	12.8	9.2	13.4
10,000 to 49,999 lb	8.3	15.7	8.2
50,000 to 99,999 lb	9.4	23.7	13.0
100,000 lb or more	36.1	S	28.7
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	14.2	16.0	19.7
Less than 50 lb	18.9	14.2	36.9
50 to 99 lb	13.9	12.1	11.9
100 to 499 lb	12.2	13.7	17.6
500 to 749 lb	13.3	9.9	15.6
750 to 999 lb	15.9	15.4	S
1,000 to 9,999 lb	8.8	7.5	8.7
10,000 to 49,999 lb	20.4	14.5	9.1
50,000 to 99,999 lb	19.6	15.3	23.6
100,000 lb or more	29.3	36.3	48.4

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	5.4	10.4	9.5
Less than 50 lb	9.4	9.1	32.3
50 to 99 lb	9.5	7.4	12.3
100 to 499 lb	6.3	6.4	9.4
500 to 749 lb	11.7	10.1	10.4
750 to 999 lb	11.9	8.9	14.3
1,000 to 9,999 lb	8.4	11.9	12.4
10,000 to 49,999 lb	10.0	13.2	10.3
50,000 to 99,999 lb	25.4	21.6	32.3
100,000 lb or more	45.2	33.0	33.5
SCTG 34, Machinery	4.2	6.3	8.0
Less than 50 lb	6.1	7.4	9.5
50 to 99 lb	9.4	16.4	11.4
100 to 499 lb	9.3	8.2	8.1
500 to 749 lb	20.6	15.5	21.3
750 to 999 lb	19.4	14.6	15.4
1,000 to 9,999 lb	8.8	8.9	10.7
10,000 to 49,999 lb	9.4	11.2	11.0
50,000 to 99,999 lb	28.4	28.4	31.2
100,000 lb or more	29.5	30.3	43.0
SCTG 35, Electronic and other electrical equipment and components and office equipment	5.9	5.2	6.2
Less than 50 lb	8.8	8.0	9.6
50 to 99 lb	9.9	10.6	12.7
100 to 499 lb	8.5	7.0	8.5
500 to 749 lb	13.1	12.9	8.8
750 to 999 lb	18.6	12.8	12.8
1,000 to 9,999 lb	7.2	8.5	9.8
10,000 to 49,999 lb	19.5	7.0	9.8
50,000 to 99,999 lb	S	35.3	S
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	8.8	9.5	11.0
Less than 50 lb	11.8	10.2	28.1
50 to 99 lb	17.0	20.4	23.5
100 to 499 lb	18.4	12.8	31.4
500 to 749 lb	18.6	14.6	14.1
750 to 999 lb	22.1	15.9	37.5
1,000 to 9,999 lb	12.6	14.7	11.5
10,000 to 49,999 lb	13.3	15.9	16.5
50,000 to 99,999 lb	32.5	25.0	30.3
100,000 lb or more	S	37.2	45.0
SCTG 37, Transportation equipment, n.e.c.	11.5	25.5	42.0
Less than 50 lb	15.2	19.5	38.1
50 to 99 lb	46.7	38.4	33.5
100 to 499 lb	20.0	22.3	25.9
500 to 749 lb	43.1	27.5	26.8
750 to 999 lb	S	26.6	31.8
1,000 to 9,999 lb	21.4	30.3	38.8
10,000 to 49,999 lb	19.1	34.3	S
50,000 to 99,999 lb	37.1	41.7	47.5
100,000 lb or more	7.0	43.8	44.6
SCTG 38, Precision instruments and apparatus	8.7	12.7	13.5
Less than 50 lb	10.2	12.6	8.8
50 to 99 lb	18.7	11.8	13.8
100 to 499 lb	10.0	20.4	31.5
500 to 749 lb	22.7	24.4	22.9
750 to 999 lb	28.5	24.4	18.1
1,000 to 9,999 lb	14.1	17.1	33.0
10,000 to 49,999 lb	27.7	29.1	29.4
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.9	10.0	10.5
Less than 50 lb	20.7	20.5	21.5
50 to 99 lb	21.4	14.1	22.8
100 to 499 lb	14.4	14.6	15.5
500 to 749 lb	16.1	14.8	17.4
750 to 999 lb	15.9	19.3	12.9
1,000 to 9,999 lb	10.3	13.0	14.8
10,000 to 49,999 lb	18.0	17.0	15.7
50,000 to 99,999 lb	44.4	38.8	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	5.8	S	23.0
Less than 50 lb	7.9	18.8	22.5
50 to 99 lb	9.4	8.4	12.7
100 to 499 lb	9.2	7.2	11.0
500 to 749 lb	10.0	9.4	10.0
750 to 999 lb	9.7	8.5	13.9
1,000 to 9,999 lb	7.3	5.7	8.9
10,000 to 49,999 lb	28.0	26.3	17.4
50,000 to 99,999 lb	25.6	44.8	S
100,000 lb or more	38.7	S	S

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	12.4	14.4	26.4
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	44.8	47.8
500 to 749 lb	48.3	S	S
750 to 999 lb	43.1	S	44.0
1,000 to 9,999 lb	34.5	35.9	27.6
10,000 to 49,999 lb	12.1	18.4	22.8
50,000 to 99,999 lb	18.9	17.9	29.1
100,000 lb or more	23.9	26.5	45.4
SCTG 43, Mixed freight	12.5	12.2	16.1
Less than 50 lb	14.9	17.5	30.4
50 to 99 lb	15.5	18.8	29.3
100 to 499 lb	17.9	23.7	26.6
500 to 749 lb	25.7	33.4	25.8
750 to 999 lb	24.7	25.7	23.3
1,000 to 9,999 lb	12.1	13.9	15.5
10,000 to 49,999 lb	20.8	15.3	19.0
50,000 to 99,999 lb	S	48.2	S
100,000 lb or more	S	S	S
Commodity unknown	18.0	21.6	31.2
Less than 50 lb	15.0	15.2	20.3
50 to 99 lb	31.6	26.6	39.8
100 to 499 lb	44.8	23.1	30.3
500 to 749 lb	30.5	32.2	27.4
750 to 999 lb	24.7	38.2	36.9
1,000 to 9,999 lb	27.8	33.3	46.0
10,000 to 49,999 lb	22.8	25.7	29.7
50,000 to 99,999 lb	45.4	44.2	35.9
100,000 lb or more	S	S	S

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

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

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

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

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	3.7	4.5	4.3	3.9	2.1	6.6	7.9	5.6	7.3	7.5
Less than 50 lb	4.7	6.9	7.7	4.0	4.0	9.8	12.3	19.5	4.4	4.7
50 to 99 lb	5.3	5.8	8.9	5.0	6.1	6.2	5.7	10.7	7.8	8.7
100 to 499 lb	6.3	4.7	8.5	5.9	4.4	6.3	5.4	14.3	8.3	9.2
500 to 749 lb	4.4	4.9	9.9	6.9	6.3	6.0	6.0	8.0	8.6	8.3
750 to 999 lb	9.7	4.4	19.7	15.4	8.2	5.6	5.0	10.0	5.7	6.0
1,000 to 9,999 lb	7.8	2.6	4.0	5.8	3.1	3.3	3.5	6.9	6.5	6.1
10,000 to 49,999 lb	3.6	6.6	3.0	5.0	5.1	8.8	12.4	9.3	9.1	8.4
50,000 to 99,999 lb	5.6	8.3	10.8	7.9	6.1	9.0	11.6	11.7	12.9	13.3
100,000 lb or more	11.0	11.8	13.2	17.9	14.3	17.2	14.2	22.1	16.6	18.0
SCTG 01, Live animals and live fish	29.5	24.6	32.4	S	S	S	S	S	41.7	37.0
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	44.4	S	S	S	S	S	S	S
500 to 749 lb	S	S	48.9	32.4	S	S	S	S	S	S
750 to 999 lb	48.8	S	S	20.6	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	28.5	S	S	S	S	S	S
10,000 to 49,999 lb	21.6	23.3	32.3	17.4	S	S	S	40.6	40.3	39.3
50,000 to 99,999 lb	37.9	39.0	41.5	18.0	S	S	S	S	S	S
100,000 lb or more	44.4	44.4	48.6	21.1	S	S	S	—	—	—
SCTG 02, Cereal grains	31.4	20.9	35.9	S	20.0	25.4	29.6	33.5	41.0	40.4
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	43.0	26.5	S	S	S	S	S	S
100 to 499 lb	S	S	45.8	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	20.5	S	S	S	S	S	S
750 to 999 lb	S	S	S	35.5	S	S	S	—	—	—
1,000 to 9,999 lb	38.9	S	S	S	S	S	S	S	46.6	47.2
10,000 to 49,999 lb	44.2	25.9	S	27.1	28.7	29.6	30.0	44.2	45.4	44.0
50,000 to 99,999 lb	34.5	35.8	30.2	42.1	39.1	37.7	38.1	35.0	36.2	36.4
100,000 lb or more	46.9	49.1	S	32.5	S	S	S	S	S	S
SCTG 03, Other agricultural products	20.7	25.0	17.6	34.1	20.7	26.2	31.2	S	46.2	43.1
Less than 50 lb	25.3	18.5	44.1	21.2	22.3	22.9	21.3	32.4	24.1	23.5
50 to 99 lb	17.6	21.4	48.3	S	21.1	25.2	25.2	37.3	30.6	29.9
100 to 499 lb	27.2	27.7	26.6	S	33.2	30.5	29.7	45.0	48.6	46.0
500 to 749 lb	30.4	32.3	29.9	S	31.7	31.2	25.8	S	S	S
750 to 999 lb	28.1	25.8	27.8	S	33.8	29.8	33.7	34.8	42.6	41.5
1,000 to 9,999 lb	26.8	43.7	41.7	30.6	27.8	40.7	48.7	S	S	S
10,000 to 49,999 lb	27.7	27.8	22.3	41.0	34.4	32.2	40.9	S	S	S
50,000 to 99,999 lb	27.9	41.3	37.7	24.7	37.0	45.5	44.0	S	S	S
100,000 lb or more	S	S	S	21.6	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	15.9	21.4	14.4	27.3	23.5	27.5	31.0	29.4	34.8	35.6
Less than 50 lb	44.1	38.0	46.0	20.0	S	S	39.9	S	S	S
50 to 99 lb	S	31.4	S	S	36.0	36.2	29.6	S	S	S
100 to 499 lb	35.6	29.3	46.3	S	39.5	33.2	29.6	S	S	S
500 to 749 lb	33.7	32.6	S	42.7	32.6	39.5	45.0	S	S	S
750 to 999 lb	42.0	44.4	S	44.5	45.2	S	42.3	48.3	39.7	41.3
1,000 to 9,999 lb	33.0	27.1	26.4	40.4	28.7	32.5	39.1	48.3	46.7	49.0
10,000 to 49,999 lb	17.7	23.3	15.8	S	27.6	29.8	32.6	31.3	35.6	36.5
50,000 to 99,999 lb	33.6	42.8	28.5	36.3	S	S	23.0	32.7	28.2	29.3
100,000 lb or more	38.1	45.4	49.0	33.6	S	S	S	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	10.2	10.1	22.8	23.7	10.5	11.7	12.3	13.1	10.1	10.0
Less than 50 lb	27.7	24.9	S	41.6	31.8	29.1	27.1	40.9	32.9	32.7
50 to 99 lb	20.9	18.4	20.6	26.9	23.8	20.9	22.0	32.9	26.6	26.1
100 to 499 lb	10.6	11.3	15.0	24.3	12.7	12.8	15.3	18.1	19.5	19.1
500 to 749 lb	13.6	12.8	32.1	21.5	14.8	14.1	15.3	19.4	18.1	18.8
750 to 999 lb	14.7	16.4	16.5	25.3	18.8	19.5	22.5	22.6	27.1	28.5
1,000 to 9,999 lb	12.8	12.8	21.2	15.9	14.2	14.8	14.5	21.1	16.5	15.8
10,000 to 49,999 lb	15.0	14.6	25.6	11.8	20.3	20.8	22.9	24.0	23.6	21.8
50,000 to 99,999 lb	S	S	40.6	28.0	S	S	S	S	S	S
100,000 lb or more	47.6	46.1	S	S	S	S	S	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	10.0	9.4	10.3	38.0	14.8	15.7	20.0	18.9	16.7	17.1
Less than 50 lb	35.3	36.2	26.9	S	38.6	38.5	29.6	36.1	31.6	29.9
50 to 99 lb	23.5	25.2	37.6	S	25.0	26.1	28.7	25.4	26.1	25.5
100 to 499 lb	25.7	25.6	32.7	27.3	26.5	27.0	26.0	33.5	28.1	29.4
500 to 749 lb	19.6	18.0	18.1	24.3	22.7	20.6	24.1	27.8	29.1	30.9
750 to 999 lb	19.5	21.7	26.9	17.4	22.5	26.3	20.9	34.4	38.7	42.9
1,000 to 9,999 lb	13.1	15.1	17.1	17.6	17.0	19.4	22.9	20.4	24.3	25.1
10,000 to 49,999 lb	12.0	11.0	11.2	7.1	21.4	21.8	26.3	27.8	21.9	22.3
50,000 to 99,999 lb	49.1	19.8	19.9	S	S	22.1	22.4	22.1	21.8	23.8
100,000 lb or more	40.4	28.5	S	25.2	45.5	42.3	43.7	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	5.1	6.9	9.5	14.2	5.7	11.3	16.1	9.8	11.1	10.9
Less than 50 lb	30.2	29.4	27.2	35.3	31.0	35.3	15.0	33.6	22.1	22.5
50 to 99 lb	22.9	30.3	28.8	21.5	20.9	32.7	30.1	S	23.9	22.5
100 to 499 lb	14.1	21.5	21.4	17.3	13.4	25.4	17.6	11.5	16.2	16.3
500 to 749 lb	17.6	14.1	18.6	15.0	16.4	18.0	15.5	22.3	15.5	15.2
750 to 999 lb	11.7	9.4	18.9	23.7	14.5	13.5	11.0	14.5	12.9	12.8
1,000 to 9,999 lb	6.9	6.0	9.8	15.8	5.9	8.5	9.8	11.1	17.4	17.1
10,000 to 49,999 lb	6.1	7.5	10.9	8.2	7.5	12.9	17.5	12.7	11.9	12.2
50,000 to 99,999 lb	27.6	30.2	22.5	S	38.9	44.4	S	49.7	S	48.1
100,000 lb or more	35.7	S	38.7	S	S	S	S	S	S	S
SCTG 08, Alcoholic beverages	7.9	10.3	24.8	9.8	5.4	5.4	5.9	14.6	17.7	17.9
Less than 50 lb	28.0	42.4	S	16.5	29.8	37.4	23.5	S	33.0	33.3
50 to 99 lb	22.1	10.8	32.8	17.8	23.7	11.5	12.8	28.9	22.8	23.0
100 to 499 lb	10.6	9.0	10.2	6.6	11.0	9.3	10.1	16.9	16.6	17.8
500 to 749 lb	13.8	14.6	16.5	6.3	14.4	15.0	18.5	20.1	24.3	25.4
750 to 999 lb	10.2	9.9	10.5	7.8	10.8	10.3	11.7	32.4	21.4	20.6
1,000 to 9,999 lb	6.4	8.0	11.8	6.6	6.7	8.3	9.1	16.5	16.5	18.0
10,000 to 49,999 lb	19.5	18.7	27.5	13.3	15.3	13.8	16.4	23.8	20.7	20.5
50,000 to 99,999 lb	32.3	30.4	44.5	21.3	42.9	40.6	S	—	—	—
100,000 lb or more	S	S	S	21.8	S	S	S	—	—	—
SCTG 09, Tobacco products	13.2	16.6	18.0	23.7	13.6	16.9	19.3	26.7	31.4	31.4
Less than 50 lb	17.6	17.3	20.3	28.2	17.8	18.4	19.4	26.0	22.7	22.9
50 to 99 lb	14.5	14.8	21.1	36.3	14.1	14.3	15.6	46.2	41.9	38.5
100 to 499 lb	12.0	9.8	18.4	21.5	12.8	11.1	12.5	30.2	23.5	23.3
500 to 749 lb	13.6	10.6	28.9	25.1	15.8	13.9	19.5	37.7	36.2	37.3
750 to 999 lb	22.8	19.0	35.4	48.4	27.7	28.5	34.8	43.0	43.9	44.7
1,000 to 9,999 lb	27.7	34.8	26.4	S	37.0	49.9	S	42.9	40.0	39.4
10,000 to 49,999 lb	33.7	34.9	45.2	46.8	42.4	37.5	43.1	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	22.4	S	S	S	—	—	—
SCTG 10, Monumental or building stone	38.1	27.9	42.3	S	S	29.8	31.4	S	40.4	38.7
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	37.1	37.3	S	28.1	S	S	S	S	S	S
100 to 499 lb	39.0	43.2	29.9	46.5	S	S	S	S	48.5	S
500 to 749 lb	S	29.9	38.4	33.4	S	43.6	S	S	S	S
750 to 999 lb	S	S	28.8	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	38.1	49.9	S	S	S	S	S	S
10,000 to 49,999 lb	40.8	31.3	S	43.0	40.4	31.1	33.6	S	41.5	40.3
50,000 to 99,999 lb	S	48.6	47.0	S	S	S	49.1	46.1	S	S
100,000 lb or more	S	S	S	48.0	S	S	S	—	—	—
SCTG 11, Natural sands	27.4	19.8	22.8	23.6	22.9	22.4	31.0	43.0	40.8	43.6
Less than 50 lb	S	S	S	23.4	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	42.1	46.8	45.2	S	S	44.7	S	S	S	S
500 to 749 lb	37.2	37.2	49.5	S	S	S	40.9	S	S	S
750 to 999 lb	S	39.7	S	33.4	S	42.6	49.4	S	S	S
1,000 to 9,999 lb	41.0	22.8	S	26.7	31.6	24.0	34.2	S	S	S
10,000 to 49,999 lb	39.2	21.6	28.5	29.2	34.7	24.3	30.0	S	49.0	49.5
50,000 to 99,999 lb	29.5	34.9	32.0	19.8	35.2	38.0	46.5	26.2	31.1	30.7
100,000 lb or more	29.3	33.1	32.3	42.0	35.2	39.5	34.0	S	S	S
SCTG 12, Gravel and crushed stone	9.3	10.0	16.1	10.6	10.2	9.6	16.0	19.8	32.8	30.7
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	21.1	S	S	S	S	—	—
100 to 499 lb	S	33.7	S	S	S	31.9	45.9	S	S	S
500 to 749 lb	S	41.7	S	22.7	S	40.7	S	S	S	S
750 to 999 lb	34.4	34.2	S	S	36.3	36.7	45.6	S	S	S
1,000 to 9,999 lb	12.7	17.1	31.2	42.9	15.4	18.0	18.8	S	S	S
10,000 to 49,999 lb	12.0	16.2	26.3	10.7	12.1	15.0	25.0	30.9	47.6	45.6
50,000 to 99,999 lb	10.2	10.6	13.6	6.8	10.4	11.0	13.4	23.5	29.8	30.8
100,000 lb or more	26.7	23.2	22.6	S	29.4	24.0	24.9	40.3	S	43.9
SCTG 13, Nonmetallic minerals n.e.c.	15.6	21.5	19.5	14.8	20.8	28.4	37.7	18.5	39.2	38.2
Less than 50 lb	34.0	28.1	37.5	42.0	45.6	32.1	33.1	S	S	S
50 to 99 lb	S	40.6	50.0	39.8	S	S	S	S	S	S
100 to 499 lb	34.0	30.6	46.3	35.7	22.0	37.3	45.8	S	49.8	49.5
500 to 749 lb	S	S	36.8	S	S	S	S	S	S	S
750 to 999 lb	49.1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	25.6	18.0	22.0	33.0	23.9	24.0	18.9	29.8	31.4	32.4
10,000 to 49,999 lb	22.4	22.0	21.5	19.1	25.9	26.9	36.9	22.0	27.7	32.3
50,000 to 99,999 lb	32.3	29.7	35.4	44.2	43.0	34.1	40.9	43.1	S	S
100,000 lb or more	36.6	48.2	32.4	48.8	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	23.3	26.7	S	14.4	27.3	38.4	30.9	39.2	S	S
Less than 50 lb	S	S	S	24.6	S	S	S	S	S	S
50 to 99 lb	S	S	S	19.9	S	S	50.0	S	S	S
100 to 499 lb	S	S	S	19.8	S	S	S	S	S	S
500 to 749 lb	40.9	47.0	42.5	22.6	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.3	S	S	S	S	S	S
1,000 to 9,999 lb	42.2	36.3	45.6	28.4	48.0	S	48.2	S	S	S
10,000 to 49,999 lb	23.5	21.2	S	16.0	S	47.5	44.7	S	38.7	38.2
50,000 to 99,999 lb	28.6	38.5	S	41.3	38.8	46.8	39.0	S	S	S
100,000 lb or more	42.9	39.9	42.9	21.5	S	46.3	48.6	—	—	—
SCTG 15, Coal	15.2	11.9	21.1	27.0	26.3	15.8	16.8	22.5	25.2	26.3
Less than 50 lb	S	S	S	22.4	—	—	—	—	—	—
50 to 99 lb	S	S	S	22.4	—	—	—	—	—	—
100 to 499 lb	S	S	S	22.4	S	S	S	—	—	—
500 to 749 lb	S	S	S	25.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.0	S	S	S	—	—	—
1,000 to 9,999 lb	40.0	23.2	27.6	34.3	38.7	22.5	21.3	S	S	S
10,000 to 49,999 lb	39.4	21.1	17.0	30.1	48.8	25.9	19.4	23.2	18.1	17.6
50,000 to 99,999 lb	32.2	33.7	20.6	S	38.6	39.3	35.6	S	S	44.3
100,000 lb or more	16.4	17.6	23.2	35.9	22.0	24.7	26.5	29.7	31.6	31.0
SCTG 17, Gasoline and aviation turbine fuel	10.7	11.6	S	9.3	10.5	11.4	10.7	22.0	22.3	22.6
Less than 50 lb	S	S	S	21.3	S	S	S	—	—	—
50 to 99 lb	S	S	S	36.1	S	S	S	S	S	S
100 to 499 lb	48.2	S	32.7	S	S	S	41.5	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	47.4	44.3	44.9
750 to 999 lb	36.6	28.0	25.8	32.1	40.8	29.2	27.5	S	S	S
1,000 to 9,999 lb	12.2	16.4	18.4	19.2	14.8	19.4	18.9	22.3	30.9	31.8
10,000 to 49,999 lb	11.5	10.6	17.6	10.3	12.1	10.8	12.6	18.9	21.6	23.4
50,000 to 99,999 lb	10.3	8.7	10.8	9.9	11.0	9.2	12.9	27.8	26.3	23.9
100,000 lb or more	26.5	27.4	S	S	24.9	26.8	28.3	S	S	S
SCTG 18, Fuel oils	11.2	12.5	19.9	14.5	12.7	12.9	12.3	27.4	30.9	34.6
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	16.9	S	S	S	S	S	S
100 to 499 lb	S	43.8	S	29.8	S	44.2	S	40.4	35.2	39.1
500 to 749 lb	27.9	24.0	29.4	17.8	28.4	24.3	32.0	33.9	40.8	44.5
750 to 999 lb	23.8	22.3	26.1	16.5	24.5	22.7	28.3	39.9	S	S
1,000 to 9,999 lb	15.7	16.7	16.1	14.7	17.4	17.5	18.8	17.6	31.7	35.9
10,000 to 49,999 lb	22.3	24.1	42.4	16.3	20.7	21.8	21.0	48.8	S	S
50,000 to 99,999 lb	13.1	15.5	21.5	14.6	15.4	17.7	19.1	27.8	32.8	32.8
100,000 lb or more	34.7	38.9	44.7	21.5	32.0	33.7	36.5	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	13.5	16.6	15.9	42.3	20.8	19.3	23.3	18.8	21.9	22.7
Less than 50 lb	17.6	17.3	26.1	17.9	17.7	17.9	20.0	36.5	28.2	29.5
50 to 99 lb	S	23.3	S	22.9	16.5	17.3	18.0	45.9	37.9	39.1
100 to 499 lb	13.5	16.5	18.3	37.3	16.1	18.4	18.7	31.8	24.7	25.5
500 to 749 lb	21.9	18.7	22.9	S	18.2	21.3	27.8	47.3	31.5	31.5
750 to 999 lb	16.7	16.7	22.2	40.0	18.9	18.8	19.6	S	S	S
1,000 to 9,999 lb	14.4	12.1	17.9	29.8	17.7	13.4	14.9	29.3	27.8	27.4
10,000 to 49,999 lb	18.8	21.1	19.1	25.4	24.8	23.1	26.4	26.5	27.0	26.9
50,000 to 99,999 lb	19.4	28.1	25.1	30.8	21.6	30.3	30.0	28.2	30.3	30.1
100,000 lb or more	35.1	33.4	25.4	23.1	49.2	41.2	42.4	S	S	S
SCTG 20, Basic chemicals	13.7	17.8	21.0	17.2	18.3	21.9	27.2	19.3	23.2	26.1
Less than 50 lb	20.4	37.9	31.7	16.8	32.2	45.9	48.1	27.4	32.0	37.0
50 to 99 lb	36.8	33.6	26.0	43.2	S	41.1	S	30.1	33.5	29.8
100 to 499 lb	30.8	23.6	26.8	19.4	39.7	28.8	30.5	20.8	17.2	17.6
500 to 749 lb	13.3	25.1	18.2	25.0	19.3	31.2	29.6	28.0	25.6	24.2
750 to 999 lb	19.0	20.9	23.3	28.1	20.4	26.4	34.6	40.2	26.2	28.4
1,000 to 9,999 lb	22.4	21.6	17.9	20.9	17.3	30.7	19.9	19.9	17.1	17.0
10,000 to 49,999 lb	14.3	22.7	18.9	11.9	19.6	28.7	33.8	26.9	24.1	22.6
50,000 to 99,999 lb	21.9	48.4	23.9	S	40.0	S	S	S	46.6	46.6
100,000 lb or more	28.9	30.1	37.9	21.5	S	48.4	S	S	S	S
SCTG 21, Pharmaceutical products	9.8	21.6	8.2	7.6	11.3	S	32.1	18.3	19.8	26.5
Less than 50 lb	17.9	17.5	24.1	7.7	15.3	22.7	26.1	21.1	19.6	21.7
50 to 99 lb	21.9	33.2	36.2	16.7	23.4	22.4	21.6	39.9	46.4	49.7
100 to 499 lb	16.1	18.8	18.6	15.0	18.6	18.7	20.7	41.1	40.2	S
500 to 749 lb	21.2	18.3	32.3	16.7	37.2	30.0	31.0	34.5	22.0	24.2
750 to 999 lb	49.6	21.1	23.8	21.5	49.6	36.8	42.1	S	S	S
1,000 to 9,999 lb	13.2	20.0	28.4	12.2	20.9	25.7	27.3	28.0	26.0	23.9
10,000 to 49,999 lb	22.0	47.5	15.6	21.2	31.9	S	S	45.6	34.8	30.7
50,000 to 99,999 lb	S	S	S	22.3	S	S	S	—	—	—
100,000 lb or more	S	S	S	21.4	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	27.2	37.8	41.1	22.3	37.2	47.5	S	37.4	S	S
Less than 50 lb	S	49.8	S	23.6	32.6	37.0	46.1	S	S	S
50 to 99 lb	39.8	S	S	32.6	45.7	S	S	S	S	S
100 to 499 lb	15.3	23.5	S	27.8	19.6	30.4	28.5	46.8	43.5	40.8
500 to 749 lb	41.9	44.4	42.6	S	S	S	S	41.1	36.3	39.0
750 to 999 lb	33.9	43.9	S	36.6	47.8	39.0	S	S	S	S
1,000 to 9,999 lb	33.2	33.3	37.0	49.6	39.1	44.2	35.5	S	S	S
10,000 to 49,999 lb	39.4	49.1	S	22.7	S	S	S	49.3	S	S
50,000 to 99,999 lb	48.3	44.6	S	21.1	48.3	S	S	S	S	S
100,000 lb or more	S	S	S	22.5	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	19.8	7.2	9.6	9.1	9.3	11.2	11.2	12.3	17.7	15.0
Less than 50 lb	14.3	11.0	12.8	11.3	13.7	17.6	16.4	26.6	23.7	23.6
50 to 99 lb	20.0	17.3	20.2	14.1	30.7	30.3	21.0	31.0	25.6	28.1
100 to 499 lb	32.3	9.2	15.3	11.5	16.0	14.1	12.5	32.5	12.1	13.0
500 to 749 lb	34.8	16.1	16.7	13.8	47.6	31.6	18.9	18.0	16.4	16.6
750 to 999 lb	24.0	13.6	15.9	11.0	29.3	20.4	27.1	23.7	15.1	17.1
1,000 to 9,999 lb	30.9	9.9	17.6	9.1	15.8	12.5	12.8	26.8	13.6	13.2
10,000 to 49,999 lb	8.4	9.4	11.8	7.5	15.0	14.7	16.0	24.4	27.1	23.3
50,000 to 99,999 lb	34.0	32.1	30.6	27.2	S	S	S	S	S	S
100,000 lb or more	44.8	34.0	34.8	17.4	S	S	S	S	S	S
SCTG 24, Plastics and rubber	3.7	23.4	14.9	7.8	8.2	30.3	36.9	6.7	36.0	34.0
Less than 50 lb	8.4	7.2	9.9	9.3	11.1	9.6	12.2	16.1	14.0	13.6
50 to 99 lb	7.6	8.9	15.4	14.9	14.9	11.7	12.1	11.6	22.5	22.0
100 to 499 lb	6.7	9.4	13.1	10.1	13.9	11.7	11.1	11.4	16.6	17.4
500 to 749 lb	8.1	8.1	12.6	11.0	12.3	12.9	12.1	17.1	12.3	10.7
750 to 999 lb	6.8	8.7	10.2	11.7	16.3	17.1	14.1	16.3	17.0	18.4
1,000 to 9,999 lb	7.9	9.0	9.8	5.8	14.6	14.7	17.0	12.8	11.5	10.8
10,000 to 49,999 lb	5.9	8.8	10.5	6.7	19.0	19.6	23.0	11.6	16.9	15.9
50,000 to 99,999 lb	35.4	41.5	33.5	30.6	S	50.0	S	S	S	S
100,000 lb or more	38.0	45.6	39.7	S	S	S	S	S	49.0	48.6
SCTG 25, Logs and other wood in the rough	39.9	47.3	S	S	46.0	S	36.0	S	S	S
Less than 50 lb	S	46.1	S	25.2	S	S	S	S	S	S
50 to 99 lb	S	S	S	20.4	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	43.1	S	S	S
500 to 749 lb	39.4	S	44.6	22.5	39.1	S	40.9	S	S	S
750 to 999 lb	49.4	S	S	28.0	S	S	S	S	S	S
1,000 to 9,999 lb	S	35.8	41.5	25.2	37.8	39.0	47.4	40.9	40.9	39.2
10,000 to 49,999 lb	32.2	43.8	36.3	33.4	36.1	41.5	49.4	S	S	S
50,000 to 99,999 lb	S	S	17.6	S	S	S	42.5	S	S	S
100,000 lb or more	27.9	S	S	17.3	S	S	S	S	S	S
SCTG 26, Wood products	4.2	21.3	18.2	11.4	6.0	30.5	25.4	5.7	7.7	7.8
Less than 50 lb	33.7	25.0	45.4	14.0	14.1	15.3	16.2	28.8	25.1	25.4
50 to 99 lb	18.0	17.6	28.7	43.7	21.6	22.0	22.0	20.3	17.6	18.3
100 to 499 lb	16.1	11.4	20.5	14.3	18.1	11.6	11.0	20.3	18.4	19.5
500 to 749 lb	14.3	12.0	18.8	19.6	18.9	14.7	18.3	20.0	17.2	18.5
750 to 999 lb	15.7	10.2	20.2	15.5	20.4	13.5	12.4	16.7	19.0	17.3
1,000 to 9,999 lb	11.0	8.8	8.1	11.1	13.8	12.5	9.9	15.4	12.2	12.0
10,000 to 49,999 lb	6.3	31.8	14.0	20.1	10.7	49.0	41.3	9.6	12.5	13.2
50,000 to 99,999 lb	11.4	29.3	14.4	30.7	20.1	43.1	26.4	14.0	18.8	19.9
100,000 lb or more	20.5	25.5	36.4	15.3	45.3	31.0	36.6	40.9	48.9	47.1
SCTG 27, Pulp, newsprint, paper, and paperboard	6.1	9.6	7.1	20.7	7.5	19.8	21.9	12.4	11.7	11.6
Less than 50 lb	29.5	38.3	26.3	S	25.9	43.9	40.0	39.7	28.6	29.7
50 to 99 lb	17.1	15.0	19.0	36.0	19.1	15.7	14.2	S	46.2	45.8
100 to 499 lb	8.7	9.3	10.9	18.2	12.5	12.6	12.2	20.9	19.0	19.4
500 to 749 lb	15.7	12.6	13.6	19.4	16.9	14.6	16.5	21.5	21.1	24.5
750 to 999 lb	16.6	20.6	27.1	24.3	23.3	24.3	16.9	32.6	40.0	37.0
1,000 to 9,999 lb	8.4	8.5	12.9	13.9	9.3	12.4	11.9	20.8	18.0	18.0
10,000 to 49,999 lb	9.0	10.7	7.8	6.4	19.1	25.5	29.1	15.8	14.9	14.2
50,000 to 99,999 lb	25.6	S	23.9	S	S	S	S	S	S	S
100,000 lb or more	9.1	13.3	19.3	7.3	37.3	34.8	37.1	46.6	39.8	40.3
SCTG 28, Paper or paperboard articles	6.7	6.4	13.9	9.9	7.1	8.8	10.6	10.9	11.5	12.4
Less than 50 lb	13.5	14.5	20.6	10.5	14.5	15.4	15.8	21.8	25.0	25.5
50 to 99 lb	16.6	14.2	18.7	22.5	20.0	18.1	16.4	19.7	28.2	24.8
100 to 499 lb	9.2	9.5	16.0	17.6	10.5	12.8	13.4	14.6	13.8	12.5
500 to 749 lb	12.6	14.3	16.2	15.6	15.3	18.8	20.8	17.2	15.1	15.1
750 to 999 lb	16.3	16.0	14.2	14.9	16.3	18.9	18.5	21.7	17.2	16.5
1,000 to 9,999 lb	7.0	8.1	34.1	15.4	8.5	12.6	12.1	12.2	15.0	17.9
10,000 to 49,999 lb	11.6	9.7	14.2	7.7	17.8	16.9	16.4	22.1	13.3	12.9
50,000 to 99,999 lb	31.5	39.8	43.3	S	44.8	44.2	49.0	S	S	S
100,000 lb or more	S	42.3	S	26.3	S	46.0	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	34.2	10.4	21.4	10.9	12.3	11.8	16.8	43.6	19.4	21.1
Less than 50 lb	17.6	21.4	21.6	12.3	16.2	24.9	32.1	23.2	23.2	24.9
50 to 99 lb	26.2	16.4	37.5	14.3	16.0	12.2	15.4	33.8	26.7	31.5
100 to 499 lb	43.0	20.5	S	14.7	19.8	10.5	11.0	S	S	S
500 to 749 lb	29.8	22.3	S	17.1	25.7	12.9	15.0	28.6	18.9	19.9
750 to 999 lb	S	39.5	S	17.7	S	26.4	21.5	42.9	30.9	35.6
1,000 to 9,999 lb	S	19.0	30.1	12.4	19.8	11.8	12.5	49.9	29.1	33.3
10,000 to 49,999 lb	13.1	10.3	20.5	15.2	22.4	21.5	20.0	36.3	17.5	18.1
50,000 to 99,999 lb	S	S	S	47.5	S	S	S	S	S	S
100,000 lb or more	S	49.4	42.0	31.8	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	8.1	9.0	10.2	5.6	7.1	12.4	10.8	13.8	13.1	11.8
Less than 50 lb	11.2	15.3	17.2	6.3	13.6	15.9	13.3	14.5	15.1	14.7
50 to 99 lb	22.6	25.6	33.7	5.1	13.4	18.6	15.6	43.4	32.4	27.7
100 to 499 lb	17.7	21.2	27.3	5.8	11.8	21.5	15.8	23.5	21.8	24.7
500 to 749 lb	9.5	17.7	12.8	14.7	15.0	35.3	26.2	25.6	23.5	24.0
750 to 999 lb	15.0	10.3	11.0	12.7	21.3	19.2	20.8	27.9	31.1	32.0
1,000 to 9,999 lb	8.8	10.0	15.4	6.9	11.5	11.4	12.0	21.5	24.4	20.8
10,000 to 49,999 lb	7.9	12.8	10.5	9.7	22.1	24.2	20.3	15.4	21.0	23.2
50,000 to 99,999 lb	41.2	S	S	21.5	S	S	S	—	—	—
100,000 lb or more	43.2	44.1	S	23.0	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	5.3	19.4	7.9	16.6	11.4	25.5	20.6	10.1	9.1	8.4
Less than 50 lb	25.3	17.3	36.8	12.0	24.9	18.9	20.1	S	29.3	30.3
50 to 99 lb	15.8	13.7	18.7	14.1	24.9	18.5	21.9	29.3	29.1	29.9
100 to 499 lb	10.9	11.2	16.3	20.8	15.3	15.9	18.7	25.4	20.1	19.1
500 to 749 lb	13.8	12.8	14.8	24.1	13.5	16.7	18.0	S	30.9	29.6
750 to 999 lb	16.7	19.4	41.6	21.9	24.6	21.3	27.1	37.1	S	46.8
1,000 to 9,999 lb	12.8	9.2	13.4	12.8	24.6	12.6	12.7	17.3	18.2	20.2
10,000 to 49,999 lb	8.3	15.7	8.2	15.1	17.7	20.7	25.4	11.0	14.4	13.6
50,000 to 99,999 lb	9.4	23.7	13.0	12.3	16.8	37.0	21.4	15.3	11.1	10.2
100,000 lb or more	36.1	S	28.7	S	S	S	S	S	S	45.6
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	14.2	16.0	19.7	9.6	8.7	26.6	12.4	10.4	9.3	9.4
Less than 50 lb	18.9	14.2	36.9	11.7	13.4	12.0	17.3	40.8	22.5	21.5
50 to 99 lb	13.9	12.1	11.9	10.7	16.9	15.6	16.3	33.1	21.5	20.4
100 to 499 lb	12.2	13.7	17.6	13.1	13.2	18.3	17.2	19.1	14.0	13.7
500 to 749 lb	13.3	9.9	15.6	16.2	21.5	12.9	14.9	17.9	13.6	15.4
750 to 999 lb	15.9	15.4	S	22.9	32.0	19.5	17.0	22.9	18.1	18.9
1,000 to 9,999 lb	8.8	7.5	8.7	8.9	10.2	13.6	12.7	15.0	10.2	9.9
10,000 to 49,999 lb	20.4	14.5	9.1	6.4	17.9	42.1	12.9	13.1	11.5	11.7
50,000 to 99,999 lb	19.6	15.3	23.6	15.4	16.0	31.3	20.7	21.6	19.5	18.8
100,000 lb or more	29.3	36.3	48.4	10.7	42.2	31.0	40.2	33.0	35.6	37.8
SCTG 33, Articles of base metal	5.4	10.4	9.5	12.1	7.4	13.6	16.6	9.9	21.2	20.4
Less than 50 lb	9.4	9.1	32.3	13.4	12.5	8.1	8.1	13.4	13.5	13.3
50 to 99 lb	9.5	7.4	12.3	17.5	11.5	11.0	12.2	19.5	18.8	18.3
100 to 499 lb	6.3	6.4	9.4	9.6	10.1	9.7	11.6	16.1	15.3	15.6
500 to 749 lb	11.7	10.1	10.4	11.3	21.5	15.7	13.2	22.6	18.2	18.2
750 to 999 lb	11.9	8.9	14.3	12.0	22.1	15.4	16.5	21.2	24.2	23.4
1,000 to 9,999 lb	8.4	11.9	12.4	10.1	14.6	11.5	13.4	14.9	14.2	16.6
10,000 to 49,999 lb	10.0	13.2	10.3	9.2	14.5	22.3	24.2	20.7	23.0	23.4
50,000 to 99,999 lb	25.4	21.6	32.3	28.1	34.1	34.8	42.9	S	S	S
100,000 lb or more	45.2	33.0	33.5	35.2	S	47.0	S	S	S	S
SCTG 34, Machinery	4.2	6.3	8.0	9.5	6.1	13.0	13.3	10.7	14.4	14.1
Less than 50 lb	6.1	7.4	9.5	12.8	8.1	12.7	16.2	13.6	13.8	13.9
50 to 99 lb	9.4	16.4	11.4	11.4	13.4	29.0	36.2	17.3	16.2	16.9
100 to 499 lb	9.3	8.2	8.1	6.8	7.6	9.5	11.4	20.2	18.0	17.2
500 to 749 lb	20.6	15.5	21.3	10.3	20.7	16.1	16.0	22.1	23.7	25.7
750 to 999 lb	19.4	14.6	15.4	16.8	28.0	22.1	25.4	35.2	36.0	36.0
1,000 to 9,999 lb	8.8	8.9	10.7	5.5	13.5	12.2	10.7	14.2	16.6	16.0
10,000 to 49,999 lb	9.4	11.2	11.0	8.4	16.1	33.7	27.8	28.8	23.2	22.6
50,000 to 99,999 lb	28.4	28.4	31.2	S	36.2	37.5	48.3	39.0	45.2	44.9
100,000 lb or more	29.5	30.3	43.0	30.3	S	S	S	45.8	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	5.9	5.2	6.2	8.1	7.4	7.4	9.4	28.0	12.4	12.5
Less than 50 lb	8.8	8.0	9.6	8.7	8.1	10.4	12.6	49.9	12.8	12.7
50 to 99 lb	9.9	10.6	12.7	7.6	12.7	12.8	15.2	13.7	15.1	13.7
100 to 499 lb	8.5	7.0	8.5	7.4	13.4	10.0	11.5	20.1	11.3	12.0
500 to 749 lb	13.1	12.9	8.8	9.5	28.6	25.7	25.2	25.0	18.8	19.2
750 to 999 lb	18.6	12.8	12.8	9.8	29.5	23.6	23.0	48.2	22.0	21.1
1,000 to 9,999 lb	7.2	8.5	9.8	5.0	16.3	11.1	14.2	19.3	21.4	22.3
10,000 to 49,999 lb	19.5	7.0	9.8	7.2	26.8	24.6	39.1	20.3	25.2	25.3
50,000 to 99,999 lb	S	35.3	S	22.3	S	S	S	S	S	S
100,000 lb or more	S	S	S	23.5	S	S	S	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	8.8	9.5	11.0	12.9	12.1	13.9	18.2	16.9	16.4	16.0
Less than 50 lb	11.8	10.2	28.1	15.7	11.9	13.0	10.0	23.2	12.4	12.3
50 to 99 lb	17.0	20.4	23.5	17.6	23.8	26.9	36.3	25.8	17.1	18.2
100 to 499 lb	18.4	12.8	31.4	12.2	16.1	9.8	9.5	24.6	19.9	18.8
500 to 749 lb	18.6	14.6	14.1	16.4	38.0	21.7	20.4	36.1	29.6	31.3
750 to 999 lb	22.1	15.9	37.5	16.8	34.1	21.2	25.5	36.3	29.3	32.6
1,000 to 9,999 lb	12.6	14.7	11.5	13.6	21.2	24.2	36.1	22.3	22.4	22.7
10,000 to 49,999 lb	13.3	15.9	16.5	5.3	22.8	40.9	36.4	34.9	24.1	24.2
50,000 to 99,999 lb	32.5	25.0	30.3	19.0	40.0	44.8	42.6	S	S	S
100,000 lb or more	S	37.2	45.0	24.3	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	11.5	25.5	42.0	9.9	13.5	23.1	27.4	24.4	20.3	20.7
Less than 50 lb	15.2	19.5	38.1	10.3	26.2	24.0	31.7	31.9	34.3	33.4
50 to 99 lb	46.7	38.4	33.5	12.0	S	49.8	S	43.5	S	S
100 to 499 lb	20.0	22.3	25.9	13.7	42.5	45.8	S	42.4	28.0	27.8
500 to 749 lb	43.1	27.5	26.8	14.1	S	S	S	45.0	S	S
750 to 999 lb	S	26.6	31.8	19.7	S	46.8	S	S	S	S
1,000 to 9,999 lb	21.4	30.3	38.8	12.0	38.1	38.4	S	S	S	S
10,000 to 49,999 lb	19.1	34.3	S	15.2	34.9	34.0	33.6	43.3	31.9	32.6
50,000 to 99,999 lb	37.1	41.7	47.5	18.9	S	S	S	S	S	S
100,000 lb or more	7.0	43.8	44.6	19.5	.1	13.5	S	—	—	—
SCTG 38, Precision instruments and apparatus	8.7	12.7	13.5	6.7	9.8	15.8	19.4	18.1	24.3	24.1
Less than 50 lb	10.2	12.6	8.8	7.0	12.1	31.0	33.1	16.0	30.0	32.4
50 to 99 lb	18.7	11.8	13.8	6.2	26.7	18.6	26.2	27.6	25.8	25.2
100 to 499 lb	10.0	20.4	31.5	8.0	18.1	21.6	21.3	33.1	24.8	25.6
500 to 749 lb	22.7	24.4	22.9	10.5	36.7	25.5	39.6	S	S	S
750 to 999 lb	28.5	24.4	18.1	22.1	S	S	S	33.9	S	S
1,000 to 9,999 lb	14.1	17.1	33.0	12.6	26.4	36.0	42.5	27.5	33.1	33.3
10,000 to 49,999 lb	27.7	29.1	29.4	17.2	S	S	S	40.9	38.7	39.2
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.9	10.0	10.5	8.7	12.6	15.0	16.6	13.5	17.3	17.0
Less than 50 lb	20.7	20.5	21.5	10.2	21.4	14.6	19.4	31.8	31.5	31.5
50 to 99 lb	21.4	14.1	22.8	15.3	22.0	20.4	22.4	24.2	22.4	22.6
100 to 499 lb	14.4	14.6	15.5	10.1	21.8	22.2	25.4	17.9	18.4	18.3
500 to 749 lb	16.1	14.8	17.4	16.2	18.1	18.6	20.9	26.8	25.5	25.0
750 to 999 lb	15.9	19.3	12.9	27.4	23.4	30.3	33.3	26.1	33.3	33.0
1,000 to 9,999 lb	10.3	13.0	14.8	11.6	16.6	19.3	20.3	18.5	25.6	25.2
10,000 to 49,999 lb	18.0	17.0	15.7	11.2	38.3	28.4	36.9	30.8	30.9	28.3
50,000 to 99,999 lb	44.4	38.8	S	48.8	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.8	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	5.8	S	23.0	3.9	10.1	S	26.0	23.4	37.7	34.1
Less than 50 lb	7.9	18.8	22.5	4.0	13.0	15.2	12.9	16.3	16.8	16.1
50 to 99 lb	9.4	8.4	12.7	6.4	22.4	14.8	14.1	14.2	19.4	21.1
100 to 499 lb	9.2	7.2	11.0	8.3	13.7	11.7	13.3	9.7	11.9	11.3
500 to 749 lb	10.0	9.4	10.0	5.3	13.3	14.1	16.4	33.9	16.7	18.4
750 to 999 lb	9.7	8.5	13.9	7.3	23.2	16.3	18.9	21.7	13.8	14.7
1,000 to 9,999 lb	7.3	5.7	8.9	6.3	14.6	11.0	11.7	14.5	14.7	16.3
10,000 to 49,999 lb	28.0	26.3	17.4	19.6	40.9	31.9	32.2	S	S	S
50,000 to 99,999 lb	25.6	44.8	S	37.7	43.4	S	S	S	44.2	48.1
100,000 lb or more	38.7	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	12.4	14.4	26.4	16.1	23.2	19.6	27.6	18.0	16.4	18.7
Less than 50 lb	S	S	S	22.8	S	S	S	S	S	S
50 to 99 lb	S	S	S	23.0	S	S	S	S	S	S
100 to 499 lb	S	44.8	47.8	31.9	S	49.7	45.2	S	S	S
500 to 749 lb	48.3	S	S	S	S	S	S	S	S	S
750 to 999 lb	43.1	S	44.0	S	S	S	42.4	S	S	S
1,000 to 9,999 lb	34.5	35.9	27.6	S	49.0	39.7	S	47.2	45.1	48.6
10,000 to 49,999 lb	12.1	18.4	22.8	11.5	24.6	22.6	29.9	22.1	18.0	18.1
50,000 to 99,999 lb	18.9	17.9	29.1	29.5	17.8	24.9	27.4	35.7	30.0	30.5
100,000 lb or more	23.9	26.5	45.4	19.7	28.4	30.3	38.4	30.6	33.0	34.9
SCTG 43, Mixed freight	12.5	12.2	16.1	16.1	14.2	14.6	13.6	18.1	15.0	14.4
Less than 50 lb	14.9	17.5	30.4	18.5	21.3	23.9	26.7	23.9	28.5	30.9
50 to 99 lb	15.5	18.8	29.3	18.9	17.0	26.6	28.3	32.1	25.9	26.9
100 to 499 lb	17.9	23.7	26.6	28.3	20.8	31.0	32.4	23.9	23.4	25.3
500 to 749 lb	25.7	33.4	25.8	30.7	33.5	41.9	35.8	26.2	37.6	43.4
750 to 999 lb	24.7	25.7	23.3	35.0	25.0	28.3	22.5	25.1	29.4	29.8
1,000 to 9,999 lb	12.1	13.9	15.5	8.3	18.6	20.5	17.7	10.6	12.9	12.6
10,000 to 49,999 lb	20.8	15.3	19.0	18.4	21.7	17.5	16.0	30.6	21.8	21.2
50,000 to 99,999 lb	S	48.2	S	21.5	S	S	S	—	—	—
100,000 lb or more	S	S	S	21.7	S	S	S	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	18.0	21.6	31.2	14.4	32.7	28.8	45.5	25.8	30.3	26.1
Less than 50 lb	15.0	15.2	20.3	13.7	24.6	25.7	25.4	29.8	24.0	27.6
50 to 99 lb	31.6	26.6	39.8	23.4	32.9	40.3	42.9	42.4	41.3	38.8
100 to 499 lb	44.8	23.1	30.3	28.1	S	32.5	29.6	48.7	S	S
500 to 749 lb	30.5	32.2	27.4	S	39.2	42.7	43.5	38.5	S	S
750 to 999 lb	24.7	38.2	36.9	S	36.1	46.6	S	40.7	41.5	44.7
1,000 to 9,999 lb	27.8	33.3	46.0	22.8	36.5	41.3	47.2	41.7	44.8	40.5
10,000 to 49,999 lb	22.8	25.7	29.7	32.9	36.1	49.6	S	35.7	S	45.8
50,000 to 99,999 lb	45.4	44.2	35.9	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	35.0	S	S	S	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	9.5	6.5	7.6	4.5	6.3	8.3	5.9	7.3	9.3	5.1	17.1	17.1
Less than 50 lb	6.5	7.9	8.0	6.1	5.6	5.5	4.9	12.3	11.4	5.6	23.1	21.7
50 to 99 lb	13.9	13.3	13.8	11.0	5.6	6.3	10.3	6.3	6.2	11.3	13.9	13.9
100 to 499 lb	20.5	10.7	11.1	7.8	5.1	5.2	6.7	5.1	5.3	15.2	18.3	18.0
500 to 749 lb	16.1	8.7	10.3	9.0	5.4	6.3	19.3	8.7	9.1	16.0	10.6	10.9
750 to 999 lb	15.7	5.6	6.1	26.1	19.4	20.1	21.6	22.6	21.2	43.0	10.4	10.3
1,000 to 9,999 lb	22.0	7.2	8.0	8.6	2.9	3.1	10.9	8.7	8.6	7.2	5.1	5.1
10,000 to 49,999 lb	4.4	5.7	6.2	6.7	5.0	4.9	8.9	4.2	4.6	6.3	5.4	5.5
50,000 to 99,999 lb	11.2	17.1	14.6	23.2	44.4	S	26.9	15.2	15.9	22.2	20.8	20.8
100,000 lb or more	15.3	17.2	17.0	19.4	15.7	19.3	30.3	25.2	28.4	22.4	42.1	37.5
SCTG 01, Live animals and live fish	28.0	21.3	21.5	37.3	40.5	43.0	38.0	39.8	39.7	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	47.4	48.2	48.5	47.4	S	49.8	S	S	S	—	—	—
500 to 749 lb	47.7	47.4	49.3	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	49.8	S	S	S	—	—	—
10,000 to 49,999 lb	25.9	22.4	22.5	S	S	S	42.1	44.1	44.5	S	S	S
50,000 to 99,999 lb	48.5	47.0	47.3	S	S	S	S	50.0	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	S	S	S
SCTG 02, Cereal grains	32.8	29.3	31.8	S	35.5	37.7	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	45.9	38.4	40.8	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	39.5	41.4	38.9	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 03, Other agricultural products	12.0	22.8	24.7	20.1	38.3	36.2	25.2	28.6	28.8	30.5	40.7	39.8
Less than 50 lb	S	31.0	31.1	44.7	36.5	37.1	S	S	S	S	S	S
50 to 99 lb	46.8	27.3	30.7	S	S	S	S	S	S	S	S	S
100 to 499 lb	23.6	24.1	22.8	S	S	S	41.0	43.1	43.0	43.2	40.7	40.7
500 to 749 lb	S	40.0	42.7	S	S	S	S	S	S	S	S	S
750 to 999 lb	25.7	26.6	24.0	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	32.5	27.4	31.3	35.6	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	21.5	30.8	27.1	36.2	45.5	41.5	35.0	38.2	38.5	45.9	42.7	44.1
50,000 to 99,999 lb	31.0	31.0	33.8	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	20.2	21.6	19.9	27.2	23.2	23.1	28.1	28.6	28.3	31.7	30.8	30.6
Less than 50 lb	S	S	S	49.4	48.0	49.5	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	48.2	S	S	S	S	S	S
1,000 to 9,999 lb	48.0	47.6	44.8	S	33.2	36.5	S	46.3	44.5	S	S	S
10,000 to 49,999 lb	20.6	23.1	21.8	29.2	23.9	24.0	34.1	30.6	30.8	34.8	35.3	35.0
50,000 to 99,999 lb	38.4	31.5	30.9	S	S	S	S	S	S	—	—	—
100,000 lb or more	49.0	32.5	32.4	—	—	—	—	—	—	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	10.8	13.2	12.7	14.4	14.7	16.2	32.3	33.1	35.2	44.5	35.4	34.9
Less than 50 lb	34.8	32.1	35.6	S	S	S	S	S	S	S	S	S
50 to 99 lb	34.8	32.8	33.9	47.7	45.8	45.0	S	S	S	S	S	S
100 to 499 lb	26.3	21.2	22.3	S	41.4	42.0	42.3	37.1	37.0	S	S	S
500 to 749 lb	23.0	23.6	24.6	S	S	S	S	S	S	S	S	S
750 to 999 lb	30.7	25.1	26.9	43.5	42.4	43.1	S	S	45.9	39.6	43.3	43.9
1,000 to 9,999 lb	14.8	17.6	17.7	21.3	17.7	21.2	42.0	37.6	38.7	47.0	39.7	39.8
10,000 to 49,999 lb	18.0	18.9	17.8	18.0	20.7	21.7	31.2	33.2	35.6	46.6	36.0	35.4
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 06, Milled grain products and preparations, and bakery products	11.6	13.7	13.4	11.1	12.2	11.6	15.4	18.8	18.6	18.8	15.8	16.2
Less than 50 lb	S	S	46.3	33.4	33.6	35.1	49.1	48.9	S	S	S	S
50 to 99 lb	39.3	39.5	39.1	S	S	S	S	S	S	S	S	S
100 to 499 lb	36.5	33.1	31.5	36.0	36.6	34.9	S	S	S	S	S	S
500 to 749 lb	26.9	29.8	31.9	42.3	43.4	47.4	S	S	S	S	S	S
750 to 999 lb	26.1	31.7	34.0	43.4	35.0	33.2	S	S	S	S	S	S
1,000 to 9,999 lb	23.8	24.1	22.9	16.4	20.4	20.4	15.9	20.4	21.6	33.3	33.0	34.0
10,000 to 49,999 lb	11.0	12.8	12.4	12.8	15.0	14.1	17.9	21.1	20.9	21.6	17.9	18.3
50,000 to 99,999 lb	32.5	33.6	32.9	40.4	43.1	42.2	S	S	S	S	S	S
100,000 lb or more	S	46.5	47.0	30.1	31.5	31.1	—	—	—	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	8.4	9.1	10.3	13.3	10.6	10.4	14.5	21.0	22.1	13.9	17.6	16.9
Less than 50 lb	43.1	40.5	40.8	49.9	40.9	40.5	S	43.3	42.1	S	35.9	36.5
50 to 99 lb	S	26.4	25.8	38.2	32.5	32.8	S	S	S	S	40.7	40.2
100 to 499 lb	31.0	40.6	46.1	44.3	31.1	31.7	35.4	27.9	29.0	34.3	36.5	35.7
500 to 749 lb	26.1	46.8	S	S	33.4	36.2	S	36.0	36.2	S	S	S
750 to 999 lb	20.8	31.6	36.1	27.3	29.9	26.2	28.3	39.2	42.4	41.5	39.9	39.9
1,000 to 9,999 lb	18.3	12.7	13.5	42.1	20.3	19.6	27.8	24.0	25.2	32.3	19.3	18.8
10,000 to 49,999 lb	10.3	10.9	11.8	10.6	11.1	10.8	15.8	21.5	22.7	14.7	18.4	17.6
50,000 to 99,999 lb	33.4	27.5	27.7	46.7	47.0	47.6	43.9	39.4	39.3	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 08, Alcoholic beverages	27.6	27.2	27.4	29.5	26.6	27.2	39.5	38.4	40.8	45.1	44.8	44.3
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	48.4	S	S	S	S	S	S	S	49.8	—	—	—
100 to 499 lb	43.1	42.3	48.2	S	S	S	S	S	S	—	—	—
500 to 749 lb	45.4	44.4	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	31.7	31.9	33.5	S	S	S	S	42.7	42.2	S	S	S
10,000 to 49,999 lb	29.2	28.2	28.3	29.5	27.0	26.7	39.7	38.6	40.9	47.0	45.5	45.0
50,000 to 99,999 lb	43.9	42.8	43.5	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 09, Tobacco products	27.0	27.0	28.6	27.3	S	S	33.0	42.1	44.0	30.2	31.8	31.4
Less than 50 lb	42.9	31.7	30.6	S	27.9	32.4	29.0	30.5	31.1	41.2	34.3	33.8
50 to 99 lb	S	S	S	45.7	S	48.2	48.4	40.6	39.7	47.5	S	S
100 to 499 lb	39.4	26.2	30.4	27.6	25.3	26.5	30.9	30.9	31.0	30.7	31.3	31.0
500 to 749 lb	36.9	35.7	39.8	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	37.4	33.0	36.6	44.7	39.1	41.2	S	S	S	S	48.9	48.3
10,000 to 49,999 lb	43.0	36.2	36.2	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	30.7	49.5	49.0	42.7	S	S	32.4	37.5	37.1	32.0	34.2	34.1
Less than 50 lb	S	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	42.9	S	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	26.9	33.0	31.8	33.4	35.4	36.9	33.7	43.3	49.2	S	S	S
500 to 749 lb	29.6	40.8	39.4	41.2	S	S	S	S	S	S	S	S
750 to 999 lb	46.7	42.0	43.1	44.5	48.3	S	S	S	S	S	S	S
1,000 to 9,999 lb	40.2	42.1	40.4	36.0	41.6	43.4	S	43.6	43.3	S	S	S
10,000 to 49,999 lb	37.8	S	S	S	S	S	38.0	41.5	41.2	31.8	31.9	31.9
50,000 to 99,999 lb	S	S	48.7	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	S	38.4	32.0	S	S	S	S	S	S	41.9	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	49.9	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	43.6	44.8	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	48.2	S	S	S	S	S	S	S	48.5	48.0
50,000 to 99,999 lb	28.4	28.6	28.9	47.6	44.4	41.9	S	S	S	S	S	S
100,000 lb or more	S	47.4	36.2	S	S	S	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	27.7	27.4	26.8	37.5	46.5	41.9	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	31.1	32.8	32.7	40.4	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	21.0	26.6	25.7	48.9	39.7	44.1	—	—	—	—	—	—
100,000 lb or more	S	48.4	49.3	S	S	S	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	19.3	21.7	21.1	36.3	42.2	46.8	23.0	44.8	44.0	30.5	34.0	33.5
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	48.9	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	48.8	36.4	35.6	45.5	S	S	S	40.7	38.4	42.3	46.4	44.8
10,000 to 49,999 lb	22.6	24.3	25.3	S	41.2	42.0	31.2	41.1	40.8	39.0	37.9	37.2
50,000 to 99,999 lb	37.4	47.4	47.7	42.6	44.6	47.3	—	—	—	—	—	—
100,000 lb or more	27.6	43.5	42.4	S	S	S	S	S	S	S	S	49.6

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	36.0	28.8	34.3	35.6	35.8	36.4	30.0	32.5	32.3	39.3	41.2	40.9
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	36.9	39.8	40.0	36.0	38.8	38.9	S	44.9	44.8
10,000 to 49,999 lb	25.6	32.6	37.4	S	33.8	33.8	37.6	42.0	42.3	43.6	45.2	44.8
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	49.5	46.7	46.7	—	—	—	S	S	S
SCTG 15, Coal	17.0	18.5	19.7	20.0	19.7	25.3	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	24.2	23.0	23.2	44.7	37.2	35.2	46.5	47.0	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	—	—	—	—
100,000 lb or more	19.4	20.1	20.7	21.8	21.6	26.8	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	31.0	32.7	34.8	41.3	40.8	41.9	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	34.8	39.4	36.1	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	26.1	28.3	30.3	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	35.4	39.0	37.1	43.5	43.3	46.8	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 18, Fuel oils	41.2	45.2	38.3	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	49.4	45.2	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	31.8	30.2	29.3	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	38.4	36.2	36.0	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	21.4	22.6	24.5	38.3	41.3	41.3	27.3	40.6	40.9	38.6	47.5	S
Less than 50 lb	41.5	S	S	42.4	47.1	47.6	43.7	48.5	49.8	S	S	S
50 to 99 lb	S	42.2	42.0	S	S	S	S	S	S	S	S	S
100 to 499 lb	25.5	27.5	25.6	37.8	32.4	32.4	35.2	35.3	36.9	38.3	40.3	39.3
500 to 749 lb	S	36.6	36.1	S	S	S	S	S	48.5	S	S	S
750 to 999 lb	32.0	34.4	33.5	S	48.3	S	42.8	42.6	41.6	S	S	S
1,000 to 9,999 lb	27.0	28.1	27.2	28.3	27.6	28.7	39.1	41.0	40.1	S	S	S
10,000 to 49,999 lb	23.8	25.2	25.6	S	41.1	41.3	41.0	39.8	44.7	47.7	38.7	38.9
50,000 to 99,999 lb	48.2	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	40.3	34.7	33.5	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	31.6	23.6	23.2	15.3	27.6	28.0	14.9	20.2	19.9	16.2	20.1	20.0
Less than 50 lb	23.9	48.6	47.8	S	S	S	27.8	26.2	28.7	30.0	36.0	37.6
50 to 99 lb	29.9	26.0	26.8	40.8	34.3	34.3	S	31.5	32.9	48.3	S	S
100 to 499 lb	46.2	33.7	30.7	S	33.3	33.1	33.4	29.9	32.6	32.6	37.2	35.8
500 to 749 lb	38.8	26.1	26.1	22.3	31.0	34.8	37.7	49.1	S	49.7	41.2	41.6
750 to 999 lb	26.0	34.1	36.7	S	26.5	29.2	37.1	22.0	21.7	S	S	S
1,000 to 9,999 lb	S	25.7	27.0	21.7	32.6	30.6	12.9	22.8	23.1	29.7	42.3	40.4
10,000 to 49,999 lb	26.5	32.0	32.7	9.4	22.0	20.2	24.1	24.0	24.2	19.1	21.7	21.9
50,000 to 99,999 lb	S	S	S	49.7	41.6	37.7	38.3	39.4	38.7	S	S	S
100,000 lb or more	30.5	32.3	31.4	44.1	43.2	43.1	35.8	37.8	35.9	S	S	S
SCTG 21, Pharmaceutical products	18.3	22.2	20.1	13.8	17.7	17.1	13.1	14.7	14.7	32.8	26.4	27.1
Less than 50 lb	19.5	38.1	33.8	16.7	20.4	19.1	22.0	22.1	21.8	19.7	21.9	21.6
50 to 99 lb	45.2	S	S	18.5	27.3	29.3	24.7	50.0	48.9	28.5	32.5	30.7
100 to 499 lb	28.0	34.5	28.5	29.3	32.0	33.8	29.7	S	S	39.3	23.4	23.3
500 to 749 lb	43.9	30.0	28.1	S	38.4	43.3	S	S	S	49.9	S	S
750 to 999 lb	48.4	31.5	29.9	48.2	38.9	41.0	45.7	41.4	42.1	S	S	S
1,000 to 9,999 lb	32.5	29.0	28.6	32.1	41.0	37.1	28.4	31.0	29.7	27.7	35.3	34.2
10,000 to 49,999 lb	25.5	33.1	32.4	26.6	29.6	30.4	29.1	24.3	24.7	33.7	41.0	42.3
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	48.5	S	S	S	S	S	44.8	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	45.8	S	45.5	—	—	—	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	42.3	43.2	45.4	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	48.2	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	27.0	12.5	12.6	20.3	14.1	15.3	43.2	11.2	11.7	24.8	17.6	17.8
Less than 50 lb	14.6	9.3	8.4	44.8	22.4	23.6	36.4	21.0	19.2	24.3	22.7	22.9
50 to 99 lb	29.6	19.0	20.8	22.4	20.1	20.1	S	29.6	29.3	36.8	25.1	24.4
100 to 499 lb	28.3	13.8	15.7	S	21.8	20.6	S	27.0	25.9	S	26.2	26.4
500 to 749 lb	35.0	27.5	29.2	S	25.4	26.2	18.3	27.4	27.8	24.7	31.7	31.4
750 to 999 lb	49.3	22.7	19.8	48.8	34.6	32.0	S	30.2	29.0	30.1	42.4	40.8
1,000 to 9,999 lb	S	10.2	11.0	23.3	18.4	18.5	S	20.1	21.0	42.1	18.6	18.4
10,000 to 49,999 lb	13.6	17.2	16.9	12.7	19.4	21.9	16.8	12.5	13.1	22.4	20.5	21.1
50,000 to 99,999 lb	S	S	S	48.1	47.9	45.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	40.4	41.0	S	S	48.6	S	S	S
SCTG 24, Plastics and rubber	3.9	47.4	S	7.5	12.5	11.8	9.2	18.9	18.6	4.9	10.1	10.0
Less than 50 lb	14.7	17.1	16.9	31.7	15.5	14.9	10.7	15.5	15.7	12.8	12.0	11.9
50 to 99 lb	13.1	16.6	15.4	16.6	10.1	9.7	13.7	19.5	19.4	15.6	16.0	17.1
100 to 499 lb	8.0	13.1	11.9	15.1	12.0	11.4	8.9	15.2	16.4	17.3	19.5	19.4
500 to 749 lb	12.0	14.5	15.5	19.5	22.6	21.0	23.0	17.4	18.3	36.7	36.4	37.6
750 to 999 lb	19.2	22.1	23.7	16.8	16.4	16.6	23.4	21.0	22.4	35.4	26.3	25.5
1,000 to 9,999 lb	5.4	8.3	8.1	11.2	10.4	11.7	15.5	35.1	34.8	7.6	11.0	10.6
10,000 to 49,999 lb	8.4	10.6	11.5	11.5	16.6	15.1	11.2	14.3	13.9	10.6	12.4	12.3
50,000 to 99,999 lb	41.3	49.3	S	S	S	S	S	S	S	38.7	46.9	48.9
100,000 lb or more	37.2	S	S	S	37.2	37.5	43.8	37.8	35.2	45.0	40.6	41.9
SCTG 25, Logs and other wood in the rough	S	S	S	S	S	S	S	48.9	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	32.8	32.6	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	39.0	S	49.1	46.5	S	S	S	S	S	—	—	—
SCTG 26, Wood products	7.3	10.2	10.8	9.4	14.3	15.5	26.5	34.7	34.5	17.7	28.4	26.8
Less than 50 lb	27.7	23.7	25.0	37.6	41.5	36.3	S	S	S	36.4	36.2	40.1
50 to 99 lb	23.8	21.0	20.6	45.1	42.9	41.5	44.0	32.3	34.4	31.0	32.6	32.8
100 to 499 lb	S	28.7	28.0	19.2	22.4	22.0	19.6	21.3	21.7	28.1	39.5	38.3
500 to 749 lb	31.4	33.5	40.3	36.3	33.8	31.1	36.4	42.4	41.9	S	S	S
750 to 999 lb	22.5	20.4	21.0	49.4	S	48.6	S	S	S	45.5	48.1	45.9
1,000 to 9,999 lb	15.5	10.7	11.0	14.5	13.0	13.6	17.6	21.5	21.4	21.4	33.3	32.1
10,000 to 49,999 lb	9.9	13.0	13.6	11.5	14.0	14.2	14.3	20.8	21.9	26.2	27.0	26.7
50,000 to 99,999 lb	19.4	15.1	13.5	29.8	28.3	26.3	34.4	37.7	36.6	S	S	S
100,000 lb or more	43.0	40.8	43.3	26.6	46.0	47.5	26.9	S	S	26.9	42.4	37.7
SCTG 27, Pulp, newsprint, paper, and paperboard	14.5	12.8	10.8	9.9	11.6	11.7	7.2	7.9	7.9	10.2	10.0	9.8
Less than 50 lb	25.8	25.2	26.4	30.1	33.7	31.4	21.8	24.0	24.6	35.5	38.8	38.3
50 to 99 lb	42.9	30.6	29.2	33.9	48.8	47.9	S	S	S	30.2	27.1	26.0
100 to 499 lb	17.9	16.7	16.3	27.0	24.8	26.8	15.1	21.4	21.5	28.8	25.0	25.5
500 to 749 lb	31.5	24.6	23.0	34.3	28.0	28.4	42.0	30.4	29.5	42.1	45.5	44.0
750 to 999 lb	31.6	20.0	18.1	45.0	37.5	36.1	44.5	44.8	45.8	37.9	38.3	36.9
1,000 to 9,999 lb	19.9	17.1	17.9	18.3	18.8	20.2	18.9	19.1	18.7	20.2	18.8	19.4
10,000 to 49,999 lb	18.0	14.2	12.3	11.2	13.4	13.5	8.6	9.4	9.8	14.7	12.6	13.0
50,000 to 99,999 lb	42.9	32.4	30.2	S	31.0	33.0	45.3	S	S	S	48.9	48.4
100,000 lb or more	28.8	27.5	28.2	21.6	22.3	24.8	23.4	21.9	22.1	12.9	14.8	14.9
SCTG 28, Paper or paperboard articles	10.9	12.1	13.2	17.8	16.7	17.0	25.3	31.1	31.1	18.6	17.3	16.9
Less than 50 lb	24.0	23.7	24.7	20.0	20.3	21.5	31.6	35.3	35.4	23.1	23.6	23.8
50 to 99 lb	36.4	20.4	19.6	41.5	31.0	30.5	22.8	25.5	26.8	S	S	S
100 to 499 lb	27.0	13.0	13.3	27.0	26.3	26.5	32.4	26.6	26.4	23.0	27.8	27.0
500 to 749 lb	21.4	15.9	17.5	41.3	23.4	22.5	S	43.5	46.3	40.0	29.3	29.1
750 to 999 lb	28.8	26.1	25.1	46.1	45.1	40.6	39.4	31.4	31.9	40.4	32.8	33.2
1,000 to 9,999 lb	10.4	9.6	9.5	40.6	16.7	17.3	23.2	20.0	20.8	21.9	26.5	26.4
10,000 to 49,999 lb	16.8	14.8	16.1	21.7	19.5	20.0	25.2	21.9	21.4	24.8	19.2	18.8
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	S	24.7	27.5	41.2	15.2	16.3	39.6	33.3	34.9	31.9	21.5	21.3
Less than 50 lb	29.5	27.5	28.3	25.9	21.9	23.4	17.1	19.6	19.8	29.0	22.1	21.7
50 to 99 lb	34.3	36.5	40.6	38.7	31.1	35.4	45.6	36.9	35.0	S	S	S
100 to 499 lb	S	47.3	47.3	39.2	43.4	44.1	45.2	39.1	38.5	S	S	S
500 to 749 lb	S	S	S	S	19.5	18.6	S	S	S	S	49.3	47.8
750 to 999 lb	15.0	41.9	34.1	S	S	S	S	S	S	34.7	37.2	37.7
1,000 to 9,999 lb	S	S	S	S	28.2	31.8	S	30.5	32.8	27.0	14.6	14.8
10,000 to 49,999 lb	14.5	16.8	17.2	19.0	17.5	18.4	22.4	41.7	43.2	29.9	22.9	24.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	8.1	9.4	8.9	8.9	11.2	11.7	9.7	10.3	10.3	26.6	25.5	23.9
Less than 50 lb	16.9	17.0	16.5	15.9	16.0	16.6	16.9	20.9	20.7	15.5	20.4	20.0
50 to 99 lb	12.7	14.0	14.8	8.6	11.6	11.9	13.7	9.7	10.1	42.4	46.8	45.5
100 to 499 lb	11.6	11.6	11.9	11.7	17.7	17.3	14.4	13.9	14.0	S	S	S
500 to 749 lb	14.2	11.4	11.6	26.8	24.3	27.4	22.9	18.3	18.4	31.5	30.0	31.1
750 to 999 lb	25.5	16.5	16.6	46.0	16.4	18.4	20.9	17.3	17.1	23.1	30.3	28.6
1,000 to 9,999 lb	11.9	12.0	13.1	12.4	12.2	12.3	16.2	10.8	10.3	24.4	21.6	21.1
10,000 to 49,999 lb	15.1	18.4	16.1	20.3	19.8	21.4	14.6	18.0	18.0	24.1	22.9	22.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	8.2	14.3	17.4	7.6	9.3	9.3	13.2	12.4	12.7	19.1	15.8	15.5
Less than 50 lb	38.3	31.2	29.8	43.5	42.1	41.6	38.9	22.8	22.8	23.9	25.8	26.1
50 to 99 lb	22.5	16.9	17.7	24.0	31.6	28.2	35.7	48.1	49.0	33.8	S	S
100 to 499 lb	23.9	24.8	20.3	31.2	26.1	26.0	30.5	38.3	41.0	43.2	26.3	25.9
500 to 749 lb	24.5	20.7	18.8	24.1	20.7	19.8	34.6	35.4	36.3	32.2	41.4	41.4
750 to 999 lb	18.7	22.5	28.4	47.7	29.2	26.1	S	S	S	S	38.0	37.7
1,000 to 9,999 lb	23.2	22.9	26.9	12.7	10.7	9.8	28.9	21.7	21.5	41.7	28.3	27.9
10,000 to 49,999 lb	8.4	12.9	11.9	8.0	9.4	9.6	15.7	13.4	13.7	15.7	18.0	17.8
50,000 to 99,999 lb	10.4	19.3	15.3	21.5	27.3	25.4	41.2	42.7	43.2	S	S	S
100,000 lb or more	43.3	S	S	48.9	44.8	43.6	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	12.3	11.1	14.0	29.5	12.8	13.2	21.8	14.1	15.6	18.9	S	S
Less than 50 lb	31.2	35.4	38.3	38.0	35.3	33.9	39.4	20.4	20.4	29.4	28.1	27.3
50 to 99 lb	19.7	21.3	28.5	22.4	19.8	20.3	21.6	23.0	25.1	40.1	35.4	37.0
100 to 499 lb	14.1	10.9	11.3	19.9	21.2	22.1	34.9	15.5	15.8	27.1	23.4	23.3
500 to 749 lb	22.6	16.7	17.7	17.4	18.3	16.1	28.3	28.6	27.4	25.6	21.0	22.5
750 to 999 lb	24.2	25.3	25.2	23.0	27.0	24.8	42.1	23.4	25.0	34.6	25.1	24.2
1,000 to 9,999 lb	12.5	9.2	10.5	18.4	12.1	12.1	14.2	11.8	11.3	24.1	17.1	16.4
10,000 to 49,999 lb	16.5	9.5	9.8	33.4	13.1	13.3	28.1	10.9	11.4	17.0	10.7	10.5
50,000 to 99,999 lb	31.4	20.7	20.8	S	27.7	25.8	39.6	38.9	44.0	S	49.2	49.3
100,000 lb or more	33.1	32.9	36.5	39.1	26.3	26.7	S	S	S	39.6	S	S
SCTG 33, Articles of base metal	9.8	22.2	27.5	8.0	16.8	16.8	8.1	12.2	12.4	13.9	10.5	11.9
Less than 50 lb	17.4	11.5	13.2	13.7	13.7	13.4	13.1	19.4	19.8	18.4	16.4	16.3
50 to 99 lb	17.3	21.2	18.6	17.2	15.3	14.2	17.4	19.5	19.1	22.2	16.5	16.4
100 to 499 lb	12.5	13.7	14.5	11.6	16.0	15.0	20.9	17.2	15.1	13.8	17.5	17.0
500 to 749 lb	37.2	18.0	18.4	16.9	17.7	16.6	25.1	19.5	19.9	21.6	21.1	20.9
750 to 999 lb	25.3	19.5	20.1	36.9	26.5	23.1	20.9	20.8	20.7	22.8	25.0	25.0
1,000 to 9,999 lb	17.0	32.7	31.0	11.4	20.4	19.1	19.7	14.9	14.7	29.3	18.2	17.9
10,000 to 49,999 lb	20.4	24.6	23.9	12.6	14.9	14.7	11.7	13.5	14.6	16.4	15.8	16.2
50,000 to 99,999 lb	38.1	38.1	35.3	S	49.7	S	33.8	32.8	33.8	S	S	S
100,000 lb or more	S	S	S	39.0	S	49.3	S	S	S	45.0	S	S
SCTG 34, Machinery	7.9	11.0	12.1	9.7	12.1	11.7	6.6	10.4	10.6	14.1	14.5	14.6
Less than 50 lb	21.3	14.2	14.5	11.9	10.6	10.5	9.5	11.5	11.7	12.6	11.3	11.4
50 to 99 lb	24.9	19.0	20.0	13.4	12.9	13.4	16.3	20.5	19.4	25.2	30.9	33.9
100 to 499 lb	16.0	16.8	16.1	17.2	16.2	15.7	10.0	11.3	11.3	25.8	18.8	22.8
500 to 749 lb	46.2	36.2	37.7	23.4	28.3	30.8	23.0	19.6	20.7	23.5	19.5	20.0
750 to 999 lb	40.6	34.4	33.1	17.0	20.6	20.7	18.8	24.7	24.5	S	23.1	22.1
1,000 to 9,999 lb	16.0	15.4	16.1	17.0	13.3	12.5	14.9	14.3	14.1	15.5	19.0	18.9
10,000 to 49,999 lb	15.7	19.1	23.0	17.0	17.6	17.7	10.6	14.2	13.9	39.2	23.5	24.6
50,000 to 99,999 lb	S	43.6	36.0	28.2	33.5	40.0	43.7	S	S	S	S	S
100,000 lb or more	S	39.3	43.8	S	46.7	45.9	S	42.9	43.8	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	7.2	7.0	6.6	8.8	16.9	16.3	16.8	14.5	14.3	10.7	14.4	14.2
Less than 50 lb	6.2	8.4	8.3	11.2	12.2	12.2	13.1	10.3	10.8	10.3	8.8	8.7
50 to 99 lb	16.3	12.6	12.7	22.0	21.7	20.3	17.4	15.7	15.8	22.1	14.6	15.2
100 to 499 lb	16.4	15.4	17.5	11.0	14.5	15.1	20.0	13.8	14.3	20.7	20.7	22.3
500 to 749 lb	S	39.8	39.7	22.4	11.9	13.0	S	30.6	35.9	34.6	21.3	21.4
750 to 999 lb	46.0	16.2	17.2	28.1	18.5	20.8	29.2	22.2	23.9	23.9	27.3	27.6
1,000 to 9,999 lb	15.2	15.1	14.0	22.6	16.6	17.6	21.0	12.6	12.7	19.3	15.3	15.5
10,000 to 49,999 lb	18.9	13.0	13.7	16.6	23.9	23.1	45.9	22.7	23.0	25.4	35.1	34.7
50,000 to 99,999 lb	44.3	49.4	46.7	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	9.8	8.6	8.6	15.5	13.6	15.3	19.6	23.6	22.2	17.5	15.8	16.3
Less than 50 lb	20.8	21.7	20.7	14.5	16.3	16.9	26.3	23.8	24.1	27.6	28.0	32.7
50 to 99 lb	30.8	28.8	27.4	23.2	21.3	21.8	21.1	28.6	32.5	34.1	28.6	26.3
100 to 499 lb	31.1	18.2	19.3	25.3	26.1	24.8	20.5	25.8	29.9	30.6	31.3	33.2
500 to 749 lb	31.6	25.0	22.3	21.1	17.3	18.1	44.8	29.3	30.7	31.4	31.7	30.8
750 to 999 lb	41.7	36.4	28.7	S	S	S	S	47.3	45.9	S	43.2	44.7
1,000 to 9,999 lb	18.5	17.1	16.8	25.2	12.3	13.0	17.3	18.8	18.9	28.9	20.9	20.3
10,000 to 49,999 lb	15.4	12.6	13.0	12.8	17.3	17.2	21.9	20.9	19.4	28.5	23.6	24.0
50,000 to 99,999 lb	S	S	S	S	43.0	S	S	42.8	44.1	S	S	49.5
100,000 lb or more	S	S	S	S	47.2	48.9	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	14.6	24.4	24.5	28.4	S	S	28.4	S	S	15.3	27.7	28.6
Less than 50 lb	25.9	17.3	16.5	35.0	48.5	47.4	25.4	28.9	28.7	36.1	29.7	28.3
50 to 99 lb	35.1	47.0	S	35.4	33.7	29.5	S	S	S	S	40.4	39.2
100 to 499 lb	48.2	31.2	33.0	S	36.3	36.3	S	S	S	39.7	35.8	36.3
500 to 749 lb	46.7	36.9	36.9	S	S	48.3	S	S	49.9	41.2	41.5	43.5
750 to 999 lb	S	46.1	39.6	48.2	28.0	32.7	S	26.3	26.3	S	S	S
1,000 to 9,999 lb	41.2	32.5	30.1	42.3	45.9	44.4	39.5	34.1	33.4	33.7	45.0	44.1
10,000 to 49,999 lb	26.2	30.3	30.8	26.8	27.7	29.3	S	S	S	38.3	33.6	33.4
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	11.4	15.6	15.0	16.6	23.1	20.8	12.7	26.6	26.4	12.8	15.9	16.3
Less than 50 lb	14.4	12.3	12.3	27.6	18.2	19.8	16.1	12.6	12.8	13.5	12.7	13.0
50 to 99 lb	17.7	18.7	23.4	38.5	25.0	24.6	37.6	19.8	21.3	27.4	23.9	23.2
100 to 499 lb	14.1	23.6	26.4	38.6	19.9	20.2	19.6	35.8	36.0	21.3	28.1	27.1
500 to 749 lb	31.5	35.1	30.7	37.0	33.9	38.4	21.7	22.8	22.4	28.2	32.5	33.7
750 to 999 lb	33.8	S	S	41.5	43.3	47.6	44.6	37.5	34.5	S	S	S
1,000 to 9,999 lb	20.7	16.6	16.3	28.4	24.2	24.8	28.8	23.3	23.0	37.2	40.3	42.7
10,000 to 49,999 lb	35.7	31.2	33.3	S	S	S	42.9	45.7	45.4	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12.5	15.5	13.6	19.1	15.7	16.7	12.1	16.9	18.7	16.3	16.1	16.4
Less than 50 lb	42.0	S	S	28.6	23.0	22.5	30.2	28.0	30.2	35.7	33.3	37.6
50 to 99 lb	36.9	24.8	22.8	25.4	21.9	23.1	31.3	24.5	27.0	26.9	40.7	40.3
100 to 499 lb	26.4	17.4	16.2	18.8	15.3	15.8	17.2	17.6	18.0	19.5	21.3	21.0
500 to 749 lb	28.1	25.6	25.8	22.1	16.9	18.2	28.7	26.7	25.5	28.4	30.6	30.7
750 to 999 lb	21.6	21.1	22.1	32.1	43.5	40.7	32.3	30.1	29.4	35.2	29.8	28.2
1,000 to 9,999 lb	13.4	18.4	16.8	20.5	18.3	19.5	19.9	32.6	35.1	26.3	23.5	23.5
10,000 to 49,999 lb	29.8	29.5	26.0	35.7	23.6	25.5	28.6	26.2	26.4	40.0	40.5	42.3
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products	7.2	17.4	15.8	8.8	19.9	18.9	7.7	13.8	14.6	10.9	13.3	13.0
Less than 50 lb	14.3	14.9	13.3	15.6	16.9	17.4	14.0	37.1	35.6	16.9	S	S
50 to 99 lb	13.3	17.5	17.5	22.6	12.3	13.0	18.5	13.3	13.1	17.9	12.8	12.5
100 to 499 lb	8.3	9.2	8.7	18.6	8.6	9.0	18.1	15.1	15.5	12.9	15.8	15.6
500 to 749 lb	17.8	11.8	12.0	36.2	28.8	32.8	16.0	19.5	18.2	18.4	26.9	26.8
750 to 999 lb	20.4	15.4	15.3	27.5	22.5	24.3	28.2	19.9	19.1	21.2	19.7	19.3
1,000 to 9,999 lb	10.2	10.4	11.5	13.6	19.9	20.0	16.0	13.1	13.3	22.3	17.5	17.0
10,000 to 49,999 lb	23.6	27.2	24.3	31.8	22.3	22.0	16.4	20.2	21.4	25.8	19.0	18.6
50,000 to 99,999 lb	23.9	28.5	26.1	37.5	42.5	43.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap ..	17.6	30.7	36.4	19.0	26.5	26.7	42.3	S	S	38.5	42.5	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	—	—
100 to 499 lb	S	S	S	S	S	S	S	48.6	47.9	S	S	S
500 to 749 lb	S	S	S	S	S	S	48.9	46.4	46.6	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	36.8	36.6	45.7	33.4	36.0	S	S	S	S	S	S
10,000 to 49,999 lb	16.5	39.0	46.1	15.9	19.6	19.9	S	30.6	31.7	23.8	23.1	25.7
50,000 to 99,999 lb	S	27.7	29.0	35.9	40.3	37.2	S	S	S	S	S	S
100,000 lb or more	31.4	28.3	29.1	49.6	49.5	47.1	S	S	S	S	S	S
SCTG 43, Mixed freight	10.5	11.7	11.7	15.7	27.7	28.5	47.3	39.1	41.3	S	39.7	38.7
Less than 50 lb	27.1	32.5	33.1	38.4	41.4	42.8	S	S	S	46.9	S	S
50 to 99 lb	34.4	37.1	35.9	39.3	36.4	34.3	S	48.0	48.4	S	S	S
100 to 499 lb	27.9	40.2	42.9	41.6	48.1	46.7	48.7	46.7	47.7	S	S	S
500 to 749 lb	S	45.4	44.9	48.4	43.6	41.2	S	S	S	S	S	S
750 to 999 lb	29.2	49.5	43.1	45.6	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	16.8	19.2	19.8	19.4	27.4	26.5	S	46.0	46.0	S	37.8	38.3
10,000 to 49,999 lb	22.1	15.2	16.6	23.7	31.5	32.9	41.2	43.6	46.1	S	46.0	44.8
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	22.8	30.7	33.4	17.4	20.2	20.3	34.4	32.0	32.0	20.3	24.2	24.8
Less than 50 lb	25.4	24.6	24.0	30.1	40.7	40.6	27.6	26.3	24.4	38.8	31.6	30.9
50 to 99 lb	47.9	32.8	34.0	S	41.3	42.6	S	S	S	S	S	S
100 to 499 lb	S	30.9	29.1	32.0	24.1	24.2	45.5	37.5	37.4	S	37.2	36.4
500 to 749 lb	S	47.9	48.2	38.0	S	49.3	S	S	S	S	S	S
750 to 999 lb	40.5	S	47.6	S	S	S	S	41.3	40.6	S	S	S
1,000 to 9,999 lb	36.1	S	S	44.2	S	S	S	S	S	45.4	S	S
10,000 to 49,999 lb	38.6	31.0	33.6	31.7	25.3	24.1	39.6	31.5	32.2	35.1	32.3	33.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	3.6	16.9	16.7	9.4	21.1	22.9	5.2	4.9	5.3
Less than 50 lb	6.1	8.2	8.0	11.7	6.2	6.1	8.6	9.6	9.3
50 to 99 lb	11.0	18.6	19.3	11.9	19.8	20.6	9.4	9.8	9.5
100 to 499 lb	12.4	6.5	6.9	21.7	7.5	7.6	9.0	15.8	15.2
500 to 749 lb	13.5	9.0	10.4	49.6	18.8	19.3	13.5	26.6	26.0
750 to 999 lb	12.2	8.2	8.1	29.0	14.2	14.0	45.8	45.0	44.2
1,000 to 9,999 lb	7.2	6.5	6.9	24.7	12.2	11.6	8.3	10.0	9.5
10,000 to 49,999 lb	6.1	5.3	5.4	6.4	12.4	12.8	7.2	6.1	6.1
50,000 to 99,999 lb	22.0	22.2	21.6	27.0	30.7	31.1	20.3	23.8	23.3
100,000 lb or more	22.2	42.5	41.0	49.8	S	S	28.1	24.4	25.3
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	S	S	S	—	—	—
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	S	S	S	—	—	—	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 03, Other agricultural products	37.0	46.2	39.4	34.1	S	S	S	S	S
Less than 50 lb	40.2	S	S	47.3	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	49.8	40.6	40.0
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	41.8	34.2	32.8	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	47.2	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	37.2	26.5	26.7	49.9	35.9	36.0	48.9	32.0	32.6
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	43.8	34.7	34.8	S	43.0	42.7	36.7	40.8	39.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	31.9	35.1	35.9	38.3	42.7	42.7	23.1	27.0	27.0
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	42.9	50.0	49.7
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	35.9	39.6	39.6	S	S	S	46.1	46.9	48.6
1,000 to 9,999 lb	35.6	39.0	39.1	27.5	31.5	31.7	27.0	30.3	30.6
10,000 to 49,999 lb	35.2	37.4	38.3	47.2	47.5	47.7	26.3	28.9	28.6
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	16.4	15.0	15.8	43.1	27.0	26.9	16.2	26.2	25.9
Less than 50 lb	S	44.9	43.8	S	S	S	44.7	39.6	40.4
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	40.6	37.1	36.4
1,000 to 9,999 lb	23.2	23.1	23.1	40.7	S	S	31.1	34.3	35.1
10,000 to 49,999 lb	18.5	17.4	18.4	46.6	26.3	26.0	19.3	22.5	20.6
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	11.7	12.6	12.4	19.6	22.9	21.9	13.2	13.1	13.2
Less than 50 lb	S	S	S	S	S	S	36.9	37.0	36.1
50 to 99 lb	S	41.4	41.3	S	S	S	S	33.1	33.2
100 to 499 lb	S	48.4	47.4	32.7	28.6	28.3	36.9	46.4	48.1
500 to 749 lb	46.5	38.1	39.1	S	S	S	42.2	36.0	34.9
750 to 999 lb	S	S	S	S	47.3	47.5	38.3	45.1	43.4
1,000 to 9,999 lb	22.8	16.1	16.0	34.3	26.9	26.7	42.3	33.0	33.1
10,000 to 49,999 lb	14.6	13.3	13.3	21.6	27.9	26.9	14.0	15.9	16.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 08, Alcoholic beverages	40.0	40.5	40.3	48.3	43.6	42.1	40.3	35.4	38.2
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	46.1	47.4	48.6	S	S	S	S	S	S
10,000 to 49,999 lb	45.6	47.8	46.5	S	47.4	46.4	44.0	38.1	41.3
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 09, Tobacco products	32.5	27.9	27.4	38.4	40.8	39.6	27.8	31.1	30.4
Less than 50 lb	S	29.7	30.6	S	35.0	34.6	42.3	32.3	34.0
50 to 99 lb	44.6	39.8	40.3	—	S	S	S	39.4	39.1
100 to 499 lb	S	44.2	44.9	47.7	49.1	48.7	36.8	33.3	33.5
500 to 749 lb	43.3	36.7	37.2	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	49.5	S	49.9
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	49.0	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	49.0	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	48.9	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	42.4	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	39.8	31.4	32.6	43.8	35.1	34.3	44.5	31.4	31.6
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	45.4	46.1	45.6	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	42.2	42.2	S	S	S
10,000 to 49,999 lb	S	42.4	44.8	47.9	37.0	35.9	45.2	34.1	34.1
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	49.5	49.5	49.2	S	S	S	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	41.1	41.1	40.6	41.5	S	S	46.3	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	48.4	43.3	44.0	48.2	S	S	43.7	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 15, Coal	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	48.0	S	S	S	S	S	35.6	39.5	40.2
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	45.6	46.1	S	S	S	S	41.2	40.1
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	46.3	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	43.9	40.9	40.6
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	13.9	47.7	45.6	17.4	44.0	48.0	11.2	13.3	13.2
Less than 50 lb	37.9	49.6	49.3	27.7	27.2	26.7	38.2	31.9	35.6
50 to 99 lb	S	46.8	48.3	S	45.0	46.6	47.3	46.0	44.4
100 to 499 lb	S	S	S	38.5	29.2	29.5	40.1	40.7	40.9
500 to 749 lb	38.4	40.6	41.4	45.3	38.0	38.2	32.9	28.7	28.4
750 to 999 lb	37.5	26.4	25.5	S	S	S	41.3	41.3	40.5
1,000 to 9,999 lb	15.9	19.8	20.3	30.3	29.4	31.0	18.9	24.2	24.1
10,000 to 49,999 lb	20.6	37.5	37.5	27.1	49.1	S	21.1	18.1	17.6
50,000 to 99,999 lb	44.8	36.7	37.6	S	S	S	S	S	S
100,000 lb or more	30.5	S	S	—	—	—	45.1	42.8	42.9
SCTG 21, Pharmaceutical products	33.0	22.7	22.2	44.3	20.9	20.9	25.4	14.8	14.9
Less than 50 lb	34.8	30.0	30.1	43.3	27.7	27.8	40.5	30.4	30.5
50 to 99 lb	43.7	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	43.2	43.1	S	25.8	24.2
500 to 749 lb	42.1	30.3	30.3	S	S	S	S	48.2	48.7
750 to 999 lb	S	S	S	S	S	S	S	37.2	36.8
1,000 to 9,999 lb	43.0	38.8	37.6	S	48.6	48.9	S	S	S
10,000 to 49,999 lb	35.4	49.5	48.9	49.6	S	S	47.5	23.1	23.0
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	19.7	17.2	17.8	S	18.4	18.3	32.1	20.5	18.5
Less than 50 lb	24.9	18.2	18.3	35.8	27.2	28.5	30.4	17.9	17.9
50 to 99 lb	27.6	27.5	27.4	48.6	S	S	S	27.9	27.6
100 to 499 lb	S	20.5	20.7	31.2	25.0	24.1	S	32.5	26.9
500 to 749 lb	35.2	26.8	27.5	S	S	S	S	25.6	25.5
750 to 999 lb	S	43.5	45.6	44.6	39.1	39.6	40.6	24.0	24.3
1,000 to 9,999 lb	25.9	22.3	21.9	41.6	29.8	29.2	S	39.7	34.0
10,000 to 49,999 lb	24.3	21.1	21.2	26.9	26.8	27.6	24.7	22.4	22.6
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	35.7	37.7	36.0	—	—	—	S	S	S
SCTG 24, Plastics and rubber	10.5	27.1	32.2	9.8	16.9	16.7	9.1	24.0	26.6
Less than 50 lb	17.2	17.5	17.4	23.5	21.0	21.2	12.7	13.0	13.4
50 to 99 lb	26.5	24.9	26.0	44.0	24.2	23.1	26.5	30.6	30.6
100 to 499 lb	17.5	25.0	25.0	18.1	18.7	17.9	20.1	19.8	19.8
500 to 749 lb	19.3	20.2	19.7	29.3	42.2	45.0	30.1	20.9	21.3
750 to 999 lb	22.6	23.4	23.6	20.4	32.5	32.6	21.6	17.3	17.3
1,000 to 9,999 lb	13.0	11.4	11.4	12.3	10.4	10.8	16.1	18.0	18.4
10,000 to 49,999 lb	13.5	14.9	15.3	18.8	21.5	20.4	14.4	23.8	23.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 26, Wood products	17.2	36.6	34.7	37.2	48.4	S	17.4	25.9	25.7
Less than 50 lb	41.4	34.7	36.3	32.9	29.1	30.5	38.1	39.6	39.9
50 to 99 lb	33.7	34.5	35.2	S	S	S	S	S	S
100 to 499 lb	29.0	44.0	43.2	32.2	43.2	42.0	28.0	31.2	30.5
500 to 749 lb	36.0	28.5	27.7	31.6	32.0	32.5	S	S	S
750 to 999 lb	S	S	S	S	S	49.2	37.3	35.7	35.4
1,000 to 9,999 lb	28.4	27.0	27.0	42.7	41.1	41.3	32.7	31.5	32.2
10,000 to 49,999 lb	19.4	16.4	16.1	43.4	40.7	42.4	22.1	20.6	20.6
50,000 to 99,999 lb	43.9	34.6	36.3	S	S	S	S	40.5	41.1
100,000 lb or more	48.2	48.7	47.0	S	S	S	46.8	44.9	43.2
SCTG 27, Pulp, newsprint, paper, and paperboard	9.7	9.8	10.5	25.6	24.3	24.3	12.8	18.1	20.9
Less than 50 lb	S	S	S	33.5	41.2	40.1	37.4	39.2	39.1
50 to 99 lb	31.9	34.7	34.4	S	S	S	40.5	39.9	40.5
100 to 499 lb	35.1	35.0	33.7	41.6	31.1	31.6	21.4	21.3	21.7
500 to 749 lb	47.4	41.0	42.1	S	45.0	46.8	36.4	34.4	35.1
750 to 999 lb	31.6	S	S	S	S	S	41.1	47.4	46.5
1,000 to 9,999 lb	24.0	23.3	22.6	22.5	25.7	25.0	25.0	23.7	23.4
10,000 to 49,999 lb	12.0	10.2	11.2	31.9	29.1	29.1	19.7	14.7	15.2
50,000 to 99,999 lb	47.3	36.7	35.6	—	—	—	S	S	S
100,000 lb or more	17.6	17.5	18.3	S	S	S	39.0	49.5	S
SCTG 28, Paper or paperboard articles	13.4	17.7	18.5	21.1	37.7	35.9	32.2	42.2	40.7
Less than 50 lb	25.7	33.0	31.2	25.7	19.6	19.3	29.0	28.9	28.3
50 to 99 lb	33.3	29.0	28.2	42.4	31.2	31.1	S	26.5	26.2
100 to 499 lb	36.5	26.6	26.4	32.6	37.4	36.3	28.0	29.2	29.4
500 to 749 lb	35.1	32.0	32.1	S	41.5	39.9	S	38.6	38.4
750 to 999 lb	31.1	41.0	42.0	S	S	S	45.7	38.0	36.8
1,000 to 9,999 lb	17.4	23.7	24.0	23.7	25.0	23.8	S	S	S
10,000 to 49,999 lb	21.9	22.2	23.3	42.1	S	49.7	18.1	31.5	29.1
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	28.3	15.6	16.2	S	47.7	45.5	44.6	35.2	34.3
Less than 50 lb	30.6	27.2	26.9	21.7	18.1	18.0	23.5	25.8	25.2
50 to 99 lb	S	48.1	46.4	46.5	S	S	41.4	42.0	41.5
100 to 499 lb	S	S	S	32.9	28.2	29.4	S	S	S
500 to 749 lb	40.9	38.7	39.2	48.5	37.3	37.1	S	S	S
750 to 999 lb	41.3	35.0	36.5	45.2	S	S	S	S	S
1,000 to 9,999 lb	25.3	17.2	16.8	S	S	S	47.1	S	S
10,000 to 49,999 lb	24.3	22.1	22.5	42.5	45.8	44.9	21.2	38.1	39.3
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	12.5	18.2	19.0	14.2	12.7	12.8	11.6	10.9	10.9
Less than 50 lb	15.0	21.1	20.1	25.4	23.3	22.8	12.6	16.4	16.8
50 to 99 lb	44.7	S	S	46.5	44.8	43.5	15.7	13.8	13.8
100 to 499 lb	17.4	18.8	17.8	15.3	16.8	17.0	26.7	29.7	30.1
500 to 749 lb	21.9	19.5	19.0	43.1	28.8	27.4	20.7	22.3	21.6
750 to 999 lb	19.2	17.7	16.6	49.5	44.4	43.0	37.2	25.4	23.7
1,000 to 9,999 lb	17.2	35.7	37.8	22.4	24.9	25.4	15.3	15.1	15.2
10,000 to 49,999 lb	22.8	14.7	14.8	S	38.5	37.1	25.1	18.6	22.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 31, Nonmetallic mineral products	14.8	19.1	17.8	21.4	27.4	28.3	12.8	34.0	31.8
Less than 50 lb	30.2	25.7	26.1	S	S	S	32.7	S	S
50 to 99 lb	28.9	27.3	28.1	40.1	34.9	34.4	27.4	32.0	31.9
100 to 499 lb	18.5	22.3	22.9	27.1	44.6	44.2	18.8	16.8	16.5
500 to 749 lb	44.7	31.6	32.5	42.7	35.2	34.6	S	40.6	42.2
750 to 999 lb	30.6	27.6	25.8	44.1	35.2	35.5	47.5	23.6	23.4
1,000 to 9,999 lb	29.3	35.7	33.8	31.8	24.9	24.9	26.0	23.6	23.6
10,000 to 49,999 lb	19.2	12.9	13.8	34.0	35.6	34.6	20.6	34.1	33.0
50,000 to 99,999 lb	S	S	S	S	S	S	46.1	S	S
100,000 lb or more	46.0	41.2	43.1	41.1	S	S	46.6	47.3	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	12.0	13.4	14.8	18.4	22.8	21.8	24.8	21.7	22.2
Less than 50 lb	28.9	28.1	26.9	37.2	S	S	29.4	49.3	S
50 to 99 lb	22.9	23.6	23.4	35.1	29.2	28.4	35.0	19.7	20.1
100 to 499 lb	17.1	25.4	24.5	26.8	22.5	22.2	38.5	32.7	32.3
500 to 749 lb	45.3	35.7	35.3	S	S	S	49.2	47.0	46.3
750 to 999 lb	31.3	30.8	30.0	47.0	S	S	45.2	S	S
1,000 to 9,999 lb	14.2	19.1	18.7	34.7	28.2	27.0	32.1	19.3	19.9
10,000 to 49,999 lb	15.6	13.6	14.9	33.5	28.4	28.2	35.4	23.1	23.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	41.1	40.1
100,000 lb or more	34.5	35.8	36.0	S	S	S	S	S	S
SCTG 33, Articles of base metal	10.4	14.9	17.0	20.3	42.1	39.9	16.7	18.2	18.8
Less than 50 lb	17.9	17.0	17.0	32.1	16.0	16.0	32.1	S	S
50 to 99 lb	16.2	22.9	24.1	35.1	38.0	36.4	32.7	25.3	24.1
100 to 499 lb	17.4	14.6	14.9	18.0	19.7	20.1	17.3	16.9	16.9
500 to 749 lb	24.3	18.7	19.6	25.8	30.5	30.1	13.9	20.2	20.2
750 to 999 lb	30.8	26.8	27.1	45.5	47.8	47.6	23.5	35.8	36.8
1,000 to 9,999 lb	17.3	14.9	14.8	26.0	32.8	32.3	27.9	26.9	27.2
10,000 to 49,999 lb	11.4	14.9	15.8	29.5	26.2	26.2	27.9	35.2	35.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 34, Machinery	10.3	13.0	12.5	14.3	17.3	16.7	14.9	15.2	16.0
Less than 50 lb	11.9	12.7	13.4	11.3	10.8	10.7	18.5	17.5	17.5
50 to 99 lb	27.6	19.2	17.9	22.8	31.3	33.6	30.7	20.4	20.1
100 to 499 lb	24.1	17.0	17.0	19.9	35.0	35.4	34.8	15.9	15.9
500 to 749 lb	46.6	S	S	35.3	31.5	31.5	32.2	31.4	29.3
750 to 999 lb	33.1	35.7	33.4	35.3	40.7	42.0	24.7	25.1	24.6
1,000 to 9,999 lb	21.8	12.1	11.9	25.6	28.3	28.3	21.4	17.8	18.0
10,000 to 49,999 lb	17.3	16.9	16.3	33.6	35.3	34.8	40.6	24.5	26.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	11.6	11.0	10.5	15.1	16.7	16.6	8.6	11.1	11.2
Less than 50 lb	6.5	7.0	7.0	26.1	9.5	9.7	10.0	16.7	16.9
50 to 99 lb	22.8	20.4	19.5	19.2	22.1	23.3	17.7	15.2	15.4
100 to 499 lb	34.7	19.7	20.2	22.3	27.9	28.4	13.6	10.8	10.3
500 to 749 lb	29.6	22.3	22.6	35.2	33.9	32.3	31.7	17.3	17.5
750 to 999 lb	35.7	20.8	21.1	S	32.6	33.0	S	28.9	29.2
1,000 to 9,999 lb	20.5	15.9	15.6	25.6	21.9	21.5	26.8	16.6	16.4
10,000 to 49,999 lb	43.3	19.5	18.6	28.2	25.8	25.8	25.9	22.7	23.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	17.3	29.2	29.3	22.5	25.2	25.0	17.7	14.3	14.4
Less than 50 lb	28.5	28.5	29.1	31.8	24.7	24.1	42.2	S	S
50 to 99 lb	31.2	30.9	31.0	43.9	S	S	26.3	36.0	35.4
100 to 499 lb	42.1	37.6	42.5	40.0	39.4	38.5	S	S	S
500 to 749 lb	S	47.6	48.4	39.5	35.3	34.3	27.8	28.1	27.8
750 to 999 lb	S	40.1	38.3	S	S	S	S	S	S
1,000 to 9,999 lb	24.9	27.4	28.5	34.4	31.3	32.4	25.0	19.1	19.9
10,000 to 49,999 lb	34.5	44.7	44.7	46.7	36.9	36.6	34.7	29.3	29.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 37, Transportation equipment, n.e.c.	24.5	35.4	37.8	40.3	S	S	25.6	S	S
Less than 50 lb	28.2	39.2	40.8	36.7	29.7	29.6	25.1	S	S
50 to 99 lb	35.2	S	S	S	S	S	32.9	35.7	35.6
100 to 499 lb	S	38.6	37.7	S	S	S	38.8	34.6	34.9
500 to 749 lb	49.4	43.6	42.9	S	S	S	44.1	29.6	30.0
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	28.0	26.2	26.0	S	S	S	24.8	40.2	37.1
10,000 to 49,999 lb	29.7	35.3	34.4	S	S	S	39.1	S	S
50,000 to 99,999 lb	48.6	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	11.4	13.4	13.1	16.4	28.6	28.8	15.5	24.1	23.8
Less than 50 lb	12.4	9.2	9.0	25.2	10.9	10.7	22.6	13.8	13.7
50 to 99 lb	27.2	15.8	15.9	38.2	20.7	20.7	34.7	23.7	22.8
100 to 499 lb	28.1	28.5	28.2	23.3	S	S	19.0	35.9	34.2
500 to 749 lb	26.2	39.0	37.8	S	49.8	49.5	43.2	47.8	48.9
750 to 999 lb	46.7	34.6	35.1	S	45.7	45.1	49.7	38.5	35.9
1,000 to 9,999 lb	30.4	32.8	33.1	S	S	S	31.8	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	15.8	14.9	15.0	25.0	26.8	26.4	15.6	18.0	17.9
Less than 50 lb	32.1	42.1	45.8	26.7	29.2	28.5	38.7	39.0	37.1
50 to 99 lb	S	27.9	26.7	36.7	36.5	38.1	30.5	32.8	32.3
100 to 499 lb	23.1	26.0	25.9	22.5	32.2	29.7	31.4	22.3	22.5
500 to 749 lb	27.4	26.3	27.0	S	42.8	41.1	26.7	31.7	31.6
750 to 999 lb	S	34.8	34.3	38.4	39.9	40.7	37.6	39.8	38.2
1,000 to 9,999 lb	24.5	25.2	25.2	36.0	37.9	40.3	19.3	21.9	21.4
10,000 to 49,999 lb	36.2	26.8	27.1	S	S	S	29.9	37.5	37.1
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	6.8	13.3	13.8	20.2	S	S	6.8	18.5	17.9
Less than 50 lb	8.9	14.0	14.3	32.4	12.7	12.9	8.4	26.8	25.5
50 to 99 lb	12.9	12.8	12.7	26.4	36.8	40.1	15.1	18.3	17.5
100 to 499 lb	16.1	15.0	15.4	21.1	24.9	24.9	22.0	9.9	9.8
500 to 749 lb	21.9	21.3	21.5	27.1	33.0	32.1	31.5	16.3	16.2
750 to 999 lb	39.8	26.9	27.4	30.1	25.4	25.4	24.3	28.5	28.6
1,000 to 9,999 lb	17.5	13.6	14.0	20.9	21.0	22.3	14.9	19.1	18.0
10,000 to 49,999 lb	21.4	22.7	23.4	29.4	38.8	39.0	32.9	33.7	33.8
50,000 to 99,999 lb	48.3	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap .	44.9	41.0	43.9	S	S	S	42.7	40.8	39.4
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	46.3	46.6	S	S	S	S	S	S
10,000 to 49,999 lb	37.6	30.7	31.0	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	29.5	39.4	39.2	32.7	S	49.0	S	47.4	45.7
Less than 50 lb	40.2	S	S	S	S	S	40.2	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	42.1	41.5	41.0	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	33.4	27.4	27.4	S	S	S	38.9	43.9	44.4
10,000 to 49,999 lb	39.2	40.0	40.0	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	23.1	S	S	40.5	S	S	25.4	S	S
Less than 50 lb	35.9	21.0	20.6	32.5	28.2	29.5	30.1	28.2	29.2
50 to 99 lb	S	39.4	38.8	49.1	37.5	37.4	S	S	S
100 to 499 lb	41.3	S	S	S	S	S	44.6	44.6	46.0
500 to 749 lb	48.4	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	42.4	S	S	46.6	43.2	43.1	48.0	S	S
10,000 to 49,999 lb	36.0	44.8	48.2	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

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

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

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

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

SAMPLE DESIGN

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

First Stage

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

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

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

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

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

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

Second Stage

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

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

Third Stage

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

DATA COLLECTION

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

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

ESTIMATION

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

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

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

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

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

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

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

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

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

Appendix D.

Standard Classification of Transported Goods Code Information

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

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

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

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

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

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

Appendix E.

Sample Report Forms and Instructions

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

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

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

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

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

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

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

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

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

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

Month	Day	Year

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

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

Number and street

City, town, village, etc.

State

ZIP Code

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

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

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

--

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

Item E SAMPLING INSTRUCTIONS

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

FINDING YOUR SELECTION RATE

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

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

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

Please enter your selection rate. →

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

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

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

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

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

2 — Private truck
3 — For-hire truck

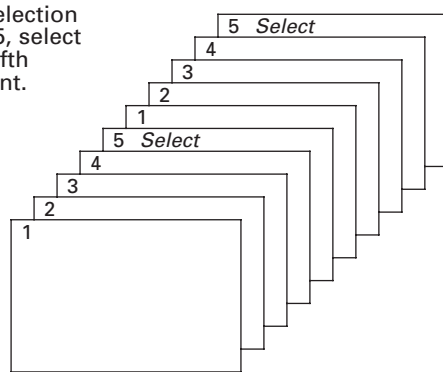
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

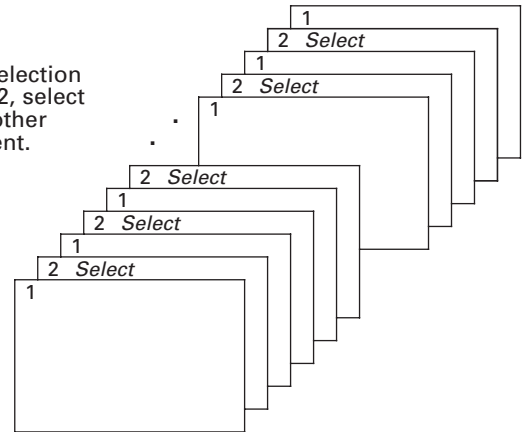
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment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

In the following examples, each rectangle represents one shipment.

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



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



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

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

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

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

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

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


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

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


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

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

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

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


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

2 — Private truck
3 — For-hire truck

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

☐ Yes

☐ No

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

☐ Yes

☐ No

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

☐ Yes

☐ No

Item H

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

Total value in whole dollars

Item I

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

☐ Yes

☐ No

Item J
CERTIFICATION

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

Telephone number — *Include area code*

Date

Signature

Title

FORM CFS-1000 (11-1-96) Page 7

E-8 APPENDIX E TRANSPORTATION-COMMODITY FLOW SURVEY

U.S. Census Bureau, 1997 Economic Census

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

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

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

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

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

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

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

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

Month	Day	Year

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

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

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.If you entered a different address in item C — *Please complete the form for shipments originating from the location listed in item C.***Item D** Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

--

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

Item E SAMPLING INSTRUCTIONS

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

FINDING YOUR SELECTION RATE

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

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

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

Please enter your selection rate. →

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

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

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

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

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

2 — Private truck
3 — For-hire truck

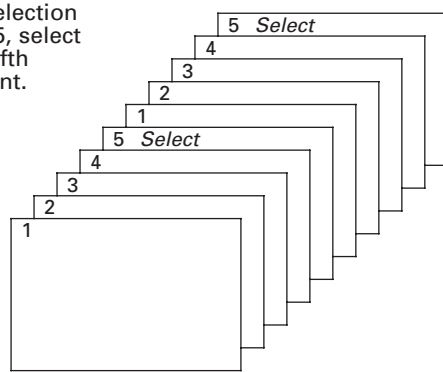
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

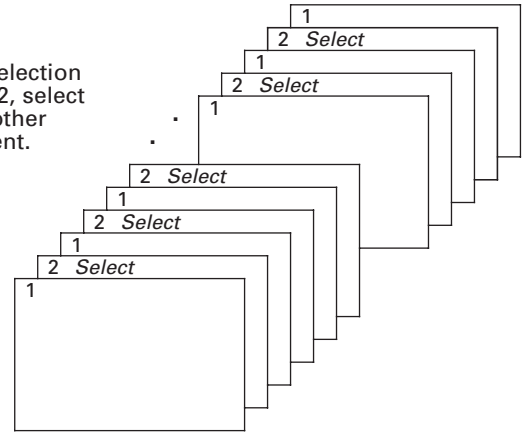
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment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

In the following examples, each rectangle represents one shipment.

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



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



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

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

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

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

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

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

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

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


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

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

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

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


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

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued

Item G

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

Total value in whole dollars

Item H

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

☐ Yes

☐ No

Item I
AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

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

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

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

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

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

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

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

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

3 – For-Hire Truck
4 – Rail

5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

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

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

Item L TRANSPORTATION DECISIONS

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

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

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

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

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

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

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

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

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

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

Who reports in the CFS?

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

Why is my participation important?

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

Your report helps ensure quality results.

Is this survey mandatory?

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

Will my data be kept confidential?

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

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

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

How often must I report?

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

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

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

Item D

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

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

What we mean by a "shipment":

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

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

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

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

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

A special note about "shipments":

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

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

Item E: Sampling Instructions

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

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

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

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

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

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

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

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

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

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

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

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

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

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

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

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

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

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

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

Items G – I

Please enter the information requested.

Item J: Certification

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

PART III – MODE DEFINITIONS

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

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

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

Railroad – Any common carrier or private railroad.

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

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

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

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

Other mode – Any mode not listed above.

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

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

PART IV -- STATE ABBREVIATION LIST

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

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

South Region

1997

Issued April 2000

EC97TCF-REG(2)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

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



ACKNOWLEDGMENTS

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

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

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

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

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

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

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

South Region

1997

EC97TCF-REG(2)

Issued April 2000

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation

Rodney E. Slater,
Secretary

Mortimer L. Downey,
Deputy Secretary

BUREAU OF TRANSPORTATION STATISTICS

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies



U.S. Department of Commerce

William M. Daley,
Secretary

Robert L. Mallett,
Deputy Secretary

Economics and Statistics Administration

Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



**BUREAU OF TRANSPORTATION
STATISTICS**

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

CONTENTS

Introduction to the Economic Census	1
1997 Commodity Flow Survey	3

TABLES

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

APPENDIXES

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

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

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

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

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

BASIS OF REPORTING

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

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

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

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

HISTORICAL INFORMATION

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

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

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

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

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

SOURCES FOR MORE INFORMATION

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

1997 Commodity Flow Survey

GENERAL

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

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

INDUSTRY COVERAGE

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

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

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

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

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

SHIPMENT COVERAGE

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

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

MILEAGE CALCULATIONS

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

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

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

Mileage Data for Pipeline Shipments

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

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

DISCLOSURE RULES

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

EXPLANATION OF TERMS

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

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

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

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

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

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

Mode Definitions

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

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

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

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

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

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

Other Definitions and Terms

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

Standard Classification of Transported Goods

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

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

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

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

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

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

ABBREVIATIONS AND SYMBOLS

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

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

OTHER TRANSPORTATION DATA

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

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

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

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

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

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

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

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

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

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

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	2 348 187	100.0	4 465 635	100.0	958 477	100.0	378
Single modes	2 038 992	86.8	4 233 899	94.8	879 767	91.8	174
Truck ¹	1 752 338	74.6	2 897 569	64.9	389 081	40.6	145
For-hire truck	988 765	42.1	1 273 125	28.5	272 585	28.4	472
Private truck	749 237	31.9	1 581 694	35.4	111 987	11.7	61
Rail	128 838	5.5	623 860	14.0	302 617	31.6	736
Water	45 741	1.9	326 956	7.3	138 554	14.5	486
Shallow draft	36 111	1.5	259 968	5.8	94 063	9.8	265
Great Lakes	—	—	—	—	—	—	—
Deep draft	9 630	.4	66 988	1.5	44 492	4.6	1 683
Air (includes truck and air)	47 304	2.0	913	—	1 092	.1	1 147
Pipeline ²	64 772	2.8	384 602	8.6	S	S	S
Multiple modes	223 565	9.5	63 408	1.4	57 494	6.0	759
Parcel, U.S. Postal Service or courier	198 444	8.5	5 766	.1	3 637	.4	758
Truck and rail	21 009	.9	16 102	.4	13 505	1.4	1 078
Truck and water	2 078	—	17 716	.4	19 772	2.1	S
Rail and water	388	—	12 703	.3	6 785	.7	502
Other multiple modes	1 646	—	11 121	.2	13 795	1.4	S
Other and unknown modes	85 630	3.6	168 328	3.8	21 216	2.2	64

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

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

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

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

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

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

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

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	2 348 187	2 032 802	15.5	4 465 635	3 929 951	13.6	958 477	890 682	7.6	378	355	6.5
Single modes	2 038 992	1 800 048	13.3	4 233 899	3 621 999	16.9	879 767	777 348	13.2	174	163	6.6
Truck ¹	1 752 338	1 580 401	10.9	2 897 569	2 449 369	18.3	389 081	325 627	19.5	145	137	5.7
For-hire truck	988 765	887 003	11.5	1 273 125	1 104 545	15.3	272 585	220 374	23.7	472	431	9.5
Private truck	749 237	679 012	10.3	1 581 694	1 336 256	18.4	111 987	104 057	7.6	61	54	11.7
Rail	128 838	102 092	26.2	623 860	629 752	−.9	302 617	285 530	6.0	736	738	−.4
Water	45 741	36 298	26.0	326 956	283 796	15.2	138 554	139 625	−.8	486	S	S
Shallow draft	36 111	25 554	41.3	259 968	213 268	21.9	94 063	75 811	24.1	265	S	S
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	9 630	10 744	−10.4	66 988	70 529	−5.0	44 492	63 814	−30.3	1 683	2 136	−21.2
Air (includes truck and air)	47 304	31 629	49.6	913	653	39.7	1 092	676	61.5	1 147	1 184	−3.1
Pipeline ²	64 772	49 627	30.5	384 602	258 428	48.8	S	S	S	S	S	S
Multiple modes	223 565	166 162	34.5	63 408	98 739	−35.8	57 494	82 535	−30.3	759	726	4.5
Parcel, U.S. Postal Service or courier	198 444	137 114	44.7	5 766	5 086	13.4	3 637	3 185	14.2	758	724	4.7
Truck and rail	21 009	21 032	−.1	16 102	13 577	18.6	13 505	9 271	45.7	1 078	1 126	−4.2
Truck and water	2 078	3 975	−47.7	17 716	37 455	−52.7	19 772	18 705	5.7	S	1 221	S
Rail and water	388	2 347	−83.5	12 703	32 141	−60.5	6 785	26 042	−73.9	502	797	−37.0
Other multiple modes	1 646	1 694	−2.8	11 121	S	S	13 795	S	S	S	1 152	S
Other and unknown modes ...	85 630	66 592	28.6	168 328	209 213	−19.5	21 216	30 799	−31.1	64	143	−55.2

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

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

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

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

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

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

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

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	86.8	88.6	94.8	92.2	91.8	87.3
Truck ¹	74.6	77.7	64.9	62.3	40.6	36.6
For-hire truck	42.1	43.6	28.5	28.1	28.4	24.7
Private truck	31.9	33.4	35.4	34.0	11.7	11.7
Rail	5.5	5.0	14.0	16.0	31.6	32.1
Water	1.9	1.8	7.3	7.2	14.5	15.7
Shallow draft	1.5	1.3	5.8	5.4	9.8	8.5
Great Lakes	—	—	—	—	—	—
Deep draft	.4	.5	1.5	1.8	4.6	7.2
Air (includes truck and air)	2.0	1.6	—	—	.1	—
Pipeline ²	2.8	2.4	8.6	6.6	S	S
Multiple modes	9.5	8.2	1.4	2.5	6.0	9.3
Parcel, U.S. Postal Service or courier	8.5	6.7	.1	.1	.4	.4
Truck and rail	.9	1.0	.4	.3	1.4	1.0
Truck and water	—	.2	.4	1.0	2.1	2.1
Rail and water	—	.1	.3	.8	.7	2.9
Other multiple modes	—	—	.2	S	1.4	S
Other and unknown modes	3.6	3.3	3.8	5.3	2.2	3.5

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

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

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

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

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

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

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

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	958 476	100.0	372
Truck	390 322	40.7	143
Rail	318 223	33.2	791
Shallow draft	111 970	11.7	362
Great Lakes	765	—	645
Deep draft	62 041	6.5	3 265
Air	1 009	.1	1 065
Parcel, U.S. Postal Service or courier	3 637	.4	758
Pipeline	S	S	S
Other and unknown modes	22 086	2.3	64

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

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

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

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

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	2 348 187	100.0	4 465 635	100.0	958 477	100.0
Less than 50 miles	700 923	29.8	2 511 658	56.2	52 662	5.5
50 to 99 miles	194 150	8.3	473 095	10.6	45 119	4.7
100 to 249 miles	401 175	17.1	603 269	13.5	141 467	14.8
250 to 499 miles	380 848	16.2	439 301	9.8	211 085	22.0
500 to 749 miles	250 063	10.6	203 828	4.6	171 747	17.9
750 to 999 miles	154 108	6.6	121 213	2.7	132 190	13.8
1,000 to 1,499 miles	162 475	6.9	85 265	1.9	137 318	14.3
1,500 to 1,999 miles	61 079	2.6	18 731	.4	41 241	4.3
2,000 miles or more	43 367	1.8	9 275	.2	25 647	2.7
Single modes	2 038 992	100.0	4 233 899	100.0	879 767	100.0
Less than 50 miles	624 279	30.6	2 373 802	56.1	49 661	5.6
50 to 99 miles	179 172	8.8	465 968	11.0	44 382	5.0
100 to 249 miles	362 470	17.8	568 018	13.4	131 557	15.0
250 to 499 miles	336 749	16.5	420 467	9.9	197 313	22.4
500 to 749 miles	209 064	10.3	188 500	4.5	156 424	17.8
750 to 999 miles	124 859	6.1	114 928	2.7	124 783	14.2
1,000 to 1,499 miles	123 530	6.1	78 274	1.8	119 639	13.6
1,500 to 1,999 miles	48 135	2.4	16 873	.4	36 943	4.2
2,000 miles or more	30 735	1.5	7 069	.2	19 065	2.2
Truck¹	1 752 338	100.0	2 897 569	100.0	389 081	100.0
Less than 50 miles	549 746	31.4	1 857 724	64.1	39 019	10.0
50 to 99 miles	168 031	9.6	378 483	13.1	33 444	8.6
100 to 249 miles	322 828	18.4	315 315	10.9	61 786	15.9
250 to 499 miles	289 962	16.5	177 346	6.1	75 377	19.4
500 to 749 miles	174 047	9.9	82 759	2.9	61 325	15.8
750 to 999 miles	95 020	5.4	40 790	1.4	42 159	10.8
1,000 to 1,499 miles	87 805	5.0	30 570	1.1	43 382	11.1
1,500 to 1,999 miles	39 951	2.3	9 599	.3	19 640	5.0
2,000 miles or more	24 948	1.4	4 984	.2	12 949	3.3
For-hire truck	988 765	100.0	1 273 125	100.0	272 585	100.0
Less than 50 miles	148 737	15.0	645 232	50.7	15 026	5.5
50 to 99 miles	67 273	6.8	189 472	14.9	16 713	6.1
100 to 249 miles	175 322	17.7	171 212	13.4	34 471	12.6
250 to 499 miles	228 047	23.1	126 387	9.9	55 143	20.2
500 to 749 miles	148 209	15.0	67 708	5.3	50 275	18.4
750 to 999 miles	85 155	8.6	34 108	2.7	35 033	12.9
1,000 to 1,499 miles	77 890	7.9	26 142	2.1	37 062	13.6
1,500 to 1,999 miles	36 356	3.7	8 381	.7	17 194	6.3
2,000 miles or more	21 777	2.2	4 482	.4	11 667	4.3
Private truck	749 237	100.0	1 581 694	100.0	111 987	100.0
Less than 50 miles	396 856	53.0	1 182 593	74.8	23 132	20.7
50 to 99 miles	99 641	13.3	184 197	11.6	16 277	14.5
100 to 249 miles	144 592	19.3	138 860	8.8	26 308	23.5
250 to 499 miles	59 719	8.0	49 783	3.1	19 710	17.6
500 to 749 miles	23 891	3.2	14 206	.9	10 423	9.3
750 to 999 miles	9 019	1.2	6 300	.4	6 733	6.0
1,000 to 1,499 miles	9 409	1.3	4 167	.3	5 966	5.3
1,500 to 1,999 miles	3 324	.4	1 140	—	2 288	2.0
2,000 miles or more	2 785	.4	449	—	1 150	1.0
Rail	128 838	100.0	623 860	100.0	302 617	100.0
Less than 50 miles	12 872	10.0	132 921	21.3	4 307	1.4
50 to 99 miles	3 230	2.5	39 390	6.3	5 012	1.7
100 to 249 miles	15 035	11.7	143 361	23.0	43 762	14.5
250 to 499 miles	29 087	22.6	186 228	29.9	96 951	32.0
500 to 749 miles	21 590	16.8	50 913	8.2	44 125	14.6
750 to 999 miles	18 216	14.1	31 540	5.1	36 829	12.2
1,000 to 1,499 miles	20 991	16.3	30 932	5.0	50 247	16.6
1,500 to 1,999 miles	4 907	3.8	6 551	1.1	15 464	5.1
2,000 miles or more	2 911	2.3	2 023	.3	5 920	2.0
Water	45 741	100.0	326 956	100.0	138 554	100.0
Less than 50 miles	15 517	33.9	104 462	31.9	2 822	2.0
50 to 99 miles	4 382	9.6	39 473	12.1	5 339	3.9
100 to 249 miles	9 329	20.4	70 089	21.4	19 862	14.3
250 to 499 miles	6 295	13.8	32 316	9.9	17 381	12.5
500 to 749 miles	4 814	10.5	45 147	13.8	44 849	32.4
750 to 999 miles	3 858	8.4	28 635	8.8	33 852	24.4
1,000 to 1,499 miles	1 435	3.1	6 154	1.9	12 692	9.2
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Shallow draft	36 111	100.0	259 968	100.0	94 063	100.0
Less than 50 miles	11 868	32.9	84 722	32.6	2 448	2.6
50 to 99 miles	3 963	11.0	37 655	14.5	5 156	5.5
100 to 249 miles	8 886	24.6	66 482	25.6	18 798	20.0
250 to 499 miles	5 491	15.2	28 085	10.8	15 555	16.5
500 to 749 miles	3 334	9.2	30 982	11.9	33 616	35.7
750 to 999 miles	2 243	6.2	10 518	4.0	15 589	16.6
1,000 to 1,499 miles	S	S	1 524	.6	2 900	3.1
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	9 630	100.0	66 988	100.0	44 492	100.0
Less than 50 miles	3 650	37.9	19 740	29.5	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	1 479	15.4	14 166	21.1	11 233	25.2
750 to 999 miles	1 615	16.8	18 117	27.0	18 262	41.0
1,000 to 1,499 miles	1 109	11.5	4 630	6.9	9 792	22.0
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	47 304	100.0	913	100.0	1 092	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	910	1.9	23	2.5	5	.5
100 to 249 miles	7 061	14.9	90	9.8	33	3.0
250 to 499 miles	6 684	14.1	168	18.4	96	8.8
500 to 749 miles	7 116	15.0	199	21.8	203	18.6
750 to 999 miles	7 091	15.0	87	9.5	104	9.5
1,000 to 1,499 miles	12 399	26.2	S	S	374	34.2
1,500 to 1,999 miles	3 178	6.7	43	4.7	84	7.6
2,000 miles or more	2 864	6.1	63	6.9	194	17.7
Pipeline²	64 772	100.0	384 602	100.0	S	S
Less than 50 miles	46 144	71.2	278 695	72.5	S	S
50 to 99 miles	2 620	4.0	8 599	2.2	S	S
100 to 249 miles	8 216	12.7	39 163	10.2	S	S
250 to 499 miles	4 720	7.3	24 409	6.3	S	S
500 to 749 miles	1 498	2.3	9 482	2.5	S	S
750 to 999 miles	673	1.0	13 876	3.6	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	223 565	100.0	63 408	100.0	57 494	100.0
Less than 50 miles	26 902	12.0	8 044	12.7	393	.7
50 to 99 miles	11 316	5.1	1 219	1.9	162	.3
100 to 249 miles	29 619	13.2	19 500	30.8	6 637	11.5
250 to 499 miles	36 524	16.3	11 117	17.5	S	S
500 to 749 miles	35 334	15.8	11 689	18.4	12 697	22.1
750 to 999 miles	26 141	11.7	3 889	6.1	4 898	8.5
1,000 to 1,499 miles	35 440	15.9	5 578	8.8	S	S
1,500 to 1,999 miles	11 203	5.0	1 420	2.2	3 402	5.9
2,000 miles or more	11 085	5.0	952	1.5	2 920	5.1
Parcel, U.S. Postal Service or courier	198 444	100.0	5 766	100.0	3 637	100.0
Less than 50 miles	25 649	12.9	1 028	17.8	24	.7
50 to 99 miles	11 034	5.6	417	7.2	39	1.1
100 to 249 miles	28 571	14.4	984	17.1	208	5.7
250 to 499 miles	30 411	15.3	1 015	17.6	455	12.5
500 to 749 miles	29 563	14.9	819	14.2	607	16.7
750 to 999 miles	23 400	11.8	572	9.9	594	16.3
1,000 to 1,499 miles	31 949	16.1	523	9.1	740	20.4
1,500 to 1,999 miles	8 310	4.2	214	3.7	443	12.2
2,000 miles or more	9 557	4.8	194	3.4	526	14.5
Truck and rail	21 009	100.0	16 102	100.0	13 505	100.0
Less than 50 miles	494	2.4	3 043	18.9	S	S
50 to 99 miles	173	.8	430	2.7	S	S
100 to 249 miles	508	2.4	3 589	22.3	1 020	7.6
250 to 499 miles	5 223	24.9	2 252	14.0	1 155	8.6
500 to 749 miles	5 287	25.2	1 921	11.9	1 684	12.5
750 to 999 miles	2 431	11.6	1 083	6.7	1 286	9.5
1,000 to 1,499 miles	2 710	12.9	1 876	11.7	3 031	22.4
1,500 to 1,999 miles	2 880	13.7	1 182	7.3	2 879	21.3
2,000 miles or more	1 303	6.2	727	4.5	2 186	16.2
Truck and water	2 078	100.0	17 716	100.0	19 772	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	276	1.6	23	.1
100 to 249 miles	294	14.2	7 296	41.2	2 387	12.1
250 to 499 miles	454	21.8	3 463	19.5	2 310	11.7
500 to 749 miles	86	4.1	2 088	11.8	2 250	11.4
750 to 999 miles	S	S	1 090	6.2	1 571	7.9
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	130	6.2	21	.1	155	.8

See footnotes at end of table.

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	388	100.0	12 703	100.0	6 785	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	241	62.2	7 624	60.0	3 021	44.5
250 to 499 miles	S	S	S	S	1 437	21.2
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	1 646	100.0	11 121	100.0	13 795	100.0
Less than 50 miles	698	42.4	3 061	27.5	168	1.2
50 to 99 miles	42	2.5	S	S	S	S
100 to 249 miles	S	S	7	—	1	—
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	85 630	100.0	168 328	100.0	21 216	100.0
Less than 50 miles	49 742	58.1	129 813	77.1	2 608	12.3
50 to 99 miles	3 661	4.3	5 909	3.5	575	2.7
100 to 249 miles	9 086	10.6	15 751	9.4	3 273	15.4
250 to 499 miles	7 576	8.8	7 717	4.6	3 108	14.7
500 to 749 miles	5 664	6.6	3 639	2.2	2 627	12.4
750 to 999 miles	3 108	3.6	2 396	1.4	2 510	11.8
1,000 to 1,499 miles	3 505	4.1	1 413	.8	1 959	9.2
1,500 to 1,999 miles	1 742	2.0	437	.3	895	4.2
2,000 miles or more	1 547	1.8	1 254	.7	3 662	17.3

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

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

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

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

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

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	2 348 187	100.0	4 465 635	100.0	958 477	100.0	378
Less than 50 lb	214 883	9.2	5 570	.1	2 113	.2	483
50 to 99 lb	64 727	2.8	4 504	.1	1 093	.1	241
100 to 499 lb	200 347	8.5	27 811	.6	5 535	.6	200
500 to 749 lb	60 277	2.6	13 104	.3	2 494	.3	190
750 to 999 lb	43 041	1.8	11 008	.2	2 202	.2	200
1,000 to 9,999 lb	522 240	22.2	185 767	4.2	39 741	4.1	206
10,000 to 49,999 lb	872 377	37.2	1 614 987	36.2	281 419	29.4	177
50,000 to 99,999 lb	109 616	4.7	857 707	19.2	71 513	7.5	81
100,000 lb or more	260 679	11.1	1 745 178	39.1	552 367	57.6	474
Single modes	2 038 992	100.0	4 233 899	100.0	879 767	100.0	174
Less than 50 lb	75 868	3.7	2 761	—	409	—	179
50 to 99 lb	36 094	1.8	3 259	—	452	—	135
100 to 499 lb	159 184	7.8	24 748	.6	4 366	.5	169
500 to 749 lb	54 552	2.7	12 357	.3	2 315	.3	187
750 to 999 lb	39 824	2.0	10 460	.2	2 068	.2	197
1,000 to 9,999 lb	480 582	23.6	176 635	4.2	36 924	4.2	203
10,000 to 49,999 lb	842 962	41.3	1 584 900	37.4	266 899	30.3	171
50,000 to 99,999 lb	106 548	5.2	837 681	19.8	64 719	7.4	77
100,000 lb or more	243 378	11.9	1 581 098	37.3	501 616	57.0	472
Truck¹	1 752 338	100.0	2 897 569	100.0	389 081	100.0	145
Less than 50 lb	55 908	3.2	2 686	—	324	—	119
50 to 99 lb	31 073	1.8	3 220	.1	403	.1	121
100 to 499 lb	149 621	8.5	24 606	.8	4 200	1.1	162
500 to 749 lb	52 498	3.0	12 313	.4	2 256	.6	183
750 to 999 lb	39 096	2.2	10 432	.4	2 030	.5	194
1,000 to 9,999 lb	467 328	26.7	175 956	6.1	36 114	9.3	199
10,000 to 49,999 lb	828 137	47.3	1 577 352	54.4	259 455	66.7	167
50,000 to 99,999 lb	99 257	5.7	829 941	28.6	60 537	15.6	74
100,000 lb or more	29 422	1.7	261 062	9.0	23 761	6.1	121
For-hire truck	988 765	100.0	1 273 125	100.0	272 585	100.0	472
Less than 50 lb	15 373	1.6	375	—	203	—	512
50 to 99 lb	9 808	1.0	443	—	244	—	546
100 to 499 lb	71 824	7.3	4 897	.4	3 016	1.1	611
500 to 749 lb	26 650	2.7	2 625	.2	1 598	.6	606
750 to 999 lb	20 788	2.1	2 231	.2	1 392	.5	624
1,000 to 9,999 lb	260 909	26.4	47 369	3.7	24 498	9.0	545
10,000 to 49,999 lb	518 921	52.5	707 590	55.6	190 748	70.0	289
50,000 to 99,999 lb	45 937	4.6	393 985	30.9	33 184	12.2	85
100,000 lb or more	18 555	1.9	113 609	8.9	17 701	6.5	203
Private truck	749 237	100.0	1 581 694	100.0	111 987	100.0	61
Less than 50 lb	40 011	5.3	2 296	.1	118	.1	54
50 to 99 lb	21 014	2.8	2 767	.2	156	.1	55
100 to 499 lb	76 589	10.2	19 549	1.2	1 148	1.0	57
500 to 749 lb	25 213	3.4	9 573	.6	629	.6	65
750 to 999 lb	18 056	2.4	8 092	.5	620	.6	76
1,000 to 9,999 lb	203 153	27.1	126 576	8.0	11 203	10.0	83
10,000 to 49,999 lb	302 743	40.4	844 461	53.4	65 854	58.8	79
50,000 to 99,999 lb	52 509	7.0	429 310	27.1	26 811	23.9	64
100,000 lb or more	9 947	1.3	139 071	8.8	5 448	4.9	54
Rail	128 838	100.0	623 860	100.0	302 617	100.0	736
Less than 50 lb	26	—	S	S	—	—	280
50 to 99 lb	S	S	S	S	—	—	S
100 to 499 lb	82	—	8	—	9	—	1 143
500 to 749 lb	S	S	3	—	S	S	1 369
750 to 999 lb	27	—	5	—	6	—	1 333
1,000 to 9,999 lb	4 357	3.4	421	—	544	.2	1 268
10,000 to 49,999 lb	12 422	9.6	5 998	1.0	7 029	2.3	1 188
50,000 to 99,999 lb	6 958	5.4	6 912	1.1	4 005	1.3	583
100,000 lb or more	104 904	81.4	610 511	97.9	291 019	96.2	658
Water	45 741	100.0	326 956	100.0	138 554	100.0	486
Less than 50 lb	S	S	—	—	—	—	92
50 to 99 lb	S	S	S	S	S	S	3 609
100 to 499 lb	S	S	2	—	—	—	17
500 to 749 lb	S	S	1	—	—	—	S
750 to 999 lb	4	—	1	—	S	S	21
1,000 to 9,999 lb	117	.3	27	—	S	S	115
10,000 to 49,999 lb	426	.9	S	S	144	.1	139
50,000 to 99,999 lb	S	S	345	.1	S	S	187
100,000 lb or more	44 885	98.1	325 708	99.6	138 320	99.8	457
Shallow draft	36 111	100.0	259 968	100.0	94 063	100.0	265
Less than 50 lb	3	—	—	—	S	S	83
50 to 99 lb	1	—	—	—	—	—	14
100 to 499 lb	S	S	2	—	—	—	16
500 to 749 lb	S	S	1	—	—	—	26
750 to 999 lb	S	S	S	S	S	S	15
1,000 to 9,999 lb	74	.2	S	S	S	S	138
10,000 to 49,999 lb	254	.7	S	S	128	.1	S
50,000 to 99,999 lb	S	S	334	.1	S	S	192
100,000 lb or more	35 507	98.3	258 793	99.5	93 847	99.8	428

See footnotes at end of table.

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	9 630	100.0	66 988	100.0	44 492	100.0	1 683
Less than 50 lb	S	S	S	S	S	S	216
50 to 99 lb	S	S	S	S	S	S	5 099
100 to 499 lb	S	S	S	S	S	S	20
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	29
1,000 to 9,999 lb	S	S	S	S	S	S	89
10,000 to 49,999 lb	S	S	51	S	S	S	242
50,000 to 99,999 lb	S	S	S	S	S	S	22
100,000 lb or more	9 378	97.4	66 915	99.9	44 473	100.0	693
Air (includes truck and air)	47 304	100.0	913	100.0	1 092	100.0	1 147
Less than 50 lb	19 909	42.1	72	7.9	84	7.7	1 137
50 to 99 lb	4 994	10.6	36	3.9	46	4.2	1 288
100 to 499 lb	9 456	20.0	131	14.4	157	14.4	1 178
500 to 749 lb	1 826	3.9	40	4.4	54	5.0	1 353
750 to 999 lb	696	1.5	22	2.4	31	2.8	1 408
1,000 to 9,999 lb	8 660	18.3	219	24.0	264	24.2	1 235
10,000 to 49,999 lb	S	S	191	20.9	218	19.9	1 062
50,000 to 99,999 lb	S	S	S	S	S	S	842
100,000 lb or more	S	S	S	S	S	S	1 501
Pipeline²	64 772	100.0	384 602	100.0	S	S	S
Less than 50 lb	S	S	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	13	—	S	S	S
10,000 to 49,999 lb	278	4	S	S	S	S	S
50,000 to 99,999 lb	198	.3	387	.1	S	S	S
100,000 lb or more	64 156	99.0	383 710	99.8	S	S	S
Multiple modes	223 565	100.0	63 408	100.0	57 494	100.0	759
Less than 50 lb	130 484	58.4	2 418	3.8	1 677	2.9	771
50 to 99 lb	26 049	11.7	1 003	1.6	624	1.1	618
100 to 499 lb	35 247	15.8	1 845	2.9	1 097	1.9	613
500 to 749 lb	4 218	1.9	286	.5	141	.2	495
750 to 999 lb	2 084	.9	193	.3	102	.2	522
1,000 to 9,999 lb	10 625	4.8	1 137	1.8	1 177	2.0	990
10,000 to 49,999 lb	9 185	4.1	6 185	9.8	8 109	14.1	1 322
50,000 to 99,999 lb	1 115	.5	10 919	17.2	5 271	9.2	457
100,000 lb or more	4 559	2.0	39 421	62.2	39 297	68.4	842
Parcel, U.S. Postal Service or courier	198 444	100.0	5 766	100.0	3 637	100.0	758
Less than 50 lb	130 479	65.8	2 418	41.9	1 676	46.1	771
50 to 99 lb	26 047	13.1	1 003	17.4	624	17.2	618
100 to 499 lb	35 217	17.7	1 840	31.9	1 085	29.8	607
500 to 749 lb	4 191	2.1	283	4.9	137	3.8	485
750 to 999 lb	2 064	1.0	192	3.3	100	2.7	515
1,000 to 9,999 lb	446	.2	30	.5	S	S	480
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	21 009	100.0	16 102	100.0	13 505	100.0	1 078
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	511
100 to 499 lb	17	—	S	S	1	—	S
500 to 749 lb	S	S	2	—	S	S	1 481
750 to 999 lb	S	S	1	—	1	—	1 078
1,000 to 9,999 lb	10 134	48.2	1 076	6.7	1 125	8.3	1 033
10,000 to 49,999 lb	8 718	41.5	5 839	36.3	7 880	58.3	1 364
50,000 to 99,999 lb	549	2.6	1 850	11.5	867	6.4	451
100,000 lb or more	1 549	7.4	7 330	45.5	3 627	26.9	793
Truck and water	2 078	100.0	17 716	100.0	19 772	100.0	S
Less than 50 lb	S	S	—	—	S	S	4 624
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	2	—	S	S	6 316
500 to 749 lb	S	S	S	S	S	S	7 494
750 to 999 lb	S	S	S	S	S	S	4 603
1,000 to 9,999 lb	38	1.8	10	—	36	.2	3 952
10,000 to 49,999 lb	221	10.6	214	1.2	180	.9	S
50,000 to 99,999 lb	251	12.1	8 244	46.5	4 383	22.2	529
100,000 lb or more	1 549	74.6	9 245	52.2	S	S	993

See footnotes at end of table.

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	388	100.0	12 703	100.0	6 785	100.0	502
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	412
10,000 to 49,999 lb	S	S	S	S	S	S	3 733
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	387	99.7	12 701	100.0	6 783	100.0	446
Other multiple modes	1 646	100.0	11 121	100.0	13 795	100.0	S
Less than 50 lb	S	S	S	S	S	S	37
50 to 99 lb	S	S	S	S	S	S	149
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	35
1,000 to 9,999 lb	7	4	S	S	1	—	S
10,000 to 49,999 lb	S	S	131	1.2	S	S	347
50,000 to 99,999 lb	315	19.1	825	7.4	21	2	25
100,000 lb or more	1 073	65.2	10 145	91.2	13 727	99.5	1 577
Other and unknown modes	85 630	100.0	168 328	100.0	21 216	100.0	64
Less than 50 lb	8 531	10.0	391	.2	27	.1	54
50 to 99 lb	2 584	3.0	242	.1	17	—	69
100 to 499 lb	5 916	6.9	1 218	.7	73	.3	62
500 to 749 lb	1 508	1.8	461	.3	38	.2	83
750 to 999 lb	1 133	1.3	354	.2	33	.2	97
1,000 to 9,999 lb	31 033	36.2	7 994	4.7	1 640	7.7	183
10,000 to 49,999 lb	20 230	23.6	23 902	14.2	6 412	30.2	291
50,000 to 99,999 lb	1 954	2.3	9 106	5.4	1 522	7.2	156
100,000 lb or more	12 742	14.9	124 659	74.1	11 454	54.0	293

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

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

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

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	2 348 187	100.0	4 465 635	100.0	958 477	100.0	378
01	Live animals and live fish	2 082	—	2 229	—	680	—	359
02	Cereal grains	12 447	.5	93 425	2.1	16 401	1.7	80
03	Other agricultural products	28 044	1.2	53 544	1.2	14 667	1.5	203
04	Animal feed and products of animal origin, n.e.c.	22 814	1.0	80 762	1.8	10 660	1.1	40
05	Meat, fish, seafood, and their preparations	61 878	2.6	30 812	.7	12 734	1.3	152
06	Milled grain products and preparations, and bakery products	29 633	1.3	23 827	.5	9 025	.9	89
07	Other prepared foodstuffs and fats and oils	104 054	4.4	124 712	2.8	31 675	3.3	132
08	Alcoholic beverages	27 871	1.2	23 651	.5	4 089	.4	31
09	Tobacco products	38 916	1.7	3 085	—	855	—	478
10	Monumental or building stone	755	—	6 051	.1	486	—	158
11	Natural sands	1 481	—	177 493	4.0	11 601	1.2	42
12	Gravel and crushed stone	4 316	.2	671 150	15.0	36 406	3.8	43
13	Nonmetallic minerals n.e.c.	5 293	.2	104 223	2.3	28 800	3.0	204
14	Metallic ores and concentrates	2 308	.1	11 063	.2	3 737	.4	212
15	Coal	13 306	.6	529 110	11.8	147 442	15.4	96
17	Gasoline and aviation turbine fuel	88 933	3.8	487 052	10.9	96 689	10.1	46
18	Fuel oils	42 177	1.8	235 449	5.3	31 596	3.3	30
19	Coal and petroleum products, n.e.c.	37 583	1.6	181 176	4.1	37 801	3.9	119
20	Basic chemicals	108 045	4.6	194 411	4.4	88 699	9.3	228
21	Pharmaceutical products	70 002	3.0	4 923	.1	3 095	.3	684
22	Fertilizers	13 073	.6	102 268	2.3	27 107	2.8	96
23	Chemical products and preparations, n.e.c.	61 116	2.6	36 449	.8	17 210	1.8	318
24	Plastics and rubber	108 620	4.6	59 035	1.3	38 201	4.0	290
25	Logs and other wood in the rough	5 948	.3	231 110	5.2	16 033	1.7	68
26	Wood products	51 182	2.2	174 948	3.9	42 523	4.4	242
27	Pulp, newsprint, paper, and paperboard	43 104	1.8	69 092	1.5	43 764	4.6	178
28	Paper or paperboard articles	31 959	1.4	24 638	.6	8 220	.9	222
29	Printed products	61 379	2.6	25 874	.6	5 572	.6	416
30	Textiles, leather, and articles of textiles or leather	200 973	8.6	32 351	.7	15 828	1.7	817
31	Nonmetallic mineral products	38 260	1.6	337 896	7.6	35 463	3.7	219
32	Base metal in primary or semifinished forms and in finished basic shapes	72 761	3.1	87 986	2.0	35 162	3.7	210
33	Articles of base metal	70 445	3.0	38 223	.9	15 843	1.7	306
34	Machinery	125 334	5.3	14 352	.3	7 756	.8	275
35	Electronic and other electrical equipment and components and office equipment	265 208	11.3	15 287	.3	9 101	.9	505
36	Motorized and other vehicles (including parts)	155 181	6.6	22 495	.5	11 082	1.2	233
37	Transportation equipment, n.e.c.	26 147	1.1	1 974	—	1 297	.1	737
38	Precision instruments and apparatus	40 091	1.7	1 055	—	694	—	789
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	40 012	1.7	8 284	.2	4 249	.4	504
40	Miscellaneous manufactured products	115 174	4.9	37 598	.8	13 073	1.4	660
41	Waste and scrap	7 954	.3	43 439	1.0	10 852	1.1	171
43	Mixed freight	101 032	4.3	43 088	1.0	6 087	.6	141
--	Commodity unknown	11 297	.5	S	S	S	S	347

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

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

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	2 348 187	100.0	4 465 635	100.0	958 477	100.0	378
010	Live animals and live fish	2 082	—	2 229	—	680	—	359
021	Wheat	2 581	.1	19 182	.4	4 569	.5	138
022	Corn, except sweet	5 302	.2	47 408	1.1	5 151	.5	54
029	Other cereal grains	4 564	.2	26 835	.6	6 681	.7	113
031	Fresh or chilled potatoes (Irish potatoes), except sweet	1 206	—	2 173	—	287	—	49
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	5 922	.3	7 607	.2	2 493	.3	67
033	Fresh, chilled, or dried edible fruit and nuts	3 274	.1	5 618	.1	2 407	.3	507
034	Soya beans	6 713	.3	25 639	.6	5 150	.5	95
035	Oil seeds and nuts, except olives and soya beans	2 470	.1	5 977	.1	2 429	.3	161
036	Bulbs, live plants, and seeds for sowing, n.e.c.	1 127	—	718	—	130	—	235
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	7 333	.3	5 812	.1	1 771	.2	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	6 362	.3	20 838	.5	4 967	.5	S
042	Animal feed preparations	16 452	.7	59 925	1.3	5 693	.6	35
051	Meat including poultry, except preparations	53 564	2.3	28 554	.6	11 562	1.2	122
052	Fish, except live, and seafood, except preparations	6 756	.3	1 351	—	569	—	173
053	Preparations, extracts, and juices of meat, fish, or seafood	1 557	—	S	S	S	S	844
061	Wheat flour, groats, and meal	1 829	—	5 854	.1	1 224	.1	111
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	2 293	.1	4 457	.1	2 981	.3	204
063	Food preparations of cereals, flour, starch, or milk	6 715	.3	3 829	—	1 404	.1	155
064	Bakery products	18 795	.8	9 687	.2	3 416	.4	75
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	12 562	.5	15 278	.3	2 062	.2	50
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	20 668	.9	13 725	.3	5 961	.6	409
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	5 736	.2	1 695	—	999	.1	166
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	7 827	.3	15 584	.3	6 047	.6	121
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	6 090	.3	14 367	.3	6 287	.7	198
076	Confectionery, cocoa, and cocoa preparations	4 724	.2	1 306	—	798	—	338
077	Edible preparations, n.e.c. and vinegar	15 926	.7	9 970	.2	3 918	.4	294
078	Nonalcoholic beverages, n.e.c. and ice	30 520	1.3	52 786	1.2	5 603	.6	39
081	Malt Beer	17 738	.8	20 654	.5	3 311	.3	26
082	Wine and other fermented beverages	2 617	.1	910	—	33	—	35
083	Spirituos beverages and ethyl alcohol	7 516	.3	2 087	—	745	—	49
090	Tobacco products	38 916	1.7	3 085	—	855	—	478
100	Monumental or building stone, except dolomite	755	—	6 051	.1	486	—	158
110	Natural sands, except metal-bearing	1 481	—	177 493	4.0	11 601	1.2	42
120	Gravel and crushed stone, except dolomite and slate	4 316	.2	671 150	15.0	36 406	3.8	43
131	Salt	698	—	12 689	.3	S	S	121
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	505	—	13 844	.3	1 967	.2	783
133	Dolomite	126	—	S	S	S	S	S
139	Other nonmetallic minerals	3 964	.2	63 929	1.4	16 079	1.7	197
141	Iron ores and concentrates	145	—	2 810	—	149	—	57
149	Other metallic ores and concentrates	2 163	—	8 253	.2	3 588	.4	283
151	Nonagglomerated bituminous coal	12 615	.5	475 641	10.7	146 488	15.3	99
159	Other coal	692	—	53 469	1.2	953	.1	35
171	Gasoline	83 549	3.6	421 579	9.4	72 937	7.6	46
172	Aviation turbine fuel (types A and B)	5 384	.2	65 473	1.5	23 752	2.5	58
180	Fuel oils	42 177	1.8	235 449	5.3	31 596	3.3	30
191	Lubricating oils and greases	14 321	.6	24 629	.6	11 829	1.2	167
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	6 139	.3	31 257	.7	8 267	.9	53
193	Gaseous hydrocarbons	9 225	.4	36 598	.8	3 688	.4	53
199	Other products of petroleum refining, and coal products	7 897	.3	88 693	2.0	14 018	1.5	101
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	4 152	.2	26 213	.6	13 935	1.5	350
202	Inorganic chemicals, n.e.c.	19 823	.8	61 126	1.4	18 997	2.0	96
203	Cyclic hydrocarbons	6 566	.3	11 089	.2	3 881	.4	287
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	14 625	.6	19 776	.4	12 588	1.3	367
205	Organic chemicals, n.e.c.	62 881	2.7	76 206	1.7	39 299	4.1	479
210	Pharmaceutical products	70 002	3.0	4 923	.1	3 095	.3	684
220	Fertilizers and fertilizer materials	13 073	.6	102 268	2.3	27 107	2.8	96
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	11 246	.5	5 691	.1	2 047	.2	103
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	8 477	.4	1 442	—	825	—	644
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	9 961	.4	9 586	.2	5 636	.6	271
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	3 544	.2	389	—	144	—	169
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	11 017	.5	3 748	—	1 470	.2	154
239	Other chemical products and preparations	16 872	.7	15 593	.3	7 088	.7	266
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	34 901	1.5	33 239	.7	25 142	2.6	420
242	Manmade fibers and plastics basic shapes and articles	50 159	2.1	19 562	.4	9 745	1.0	321

See footnotes at end of table.

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	23 560	1.0	6 234	.1	3 314	.3	201
250	Logs and other wood in the rough	5 948	.3	231 110	5.2	16 033	1.7	68
261	Wood chips or particles	1 447	—	57 413	1.3	5 821	.6	72
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	24 324	1.0	57 712	1.3	14 364	1.5	205
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	14 843	.6	41 832	.9	19 639	2.0	243
264	Builders' joinery and carpentry of wood, except shingles and shakes	6 180	.3	2 586	—	640	—	194
269	Other wood products	4 388	.2	15 405	.3	2 059	.2	484
271	Pulp of fibrous cellulosic materials	3 572	.2	8 460	.2	5 204	.5	276
272	Newsprint in large rolls or sheets	3 134	.1	5 287	.1	2 569	.3	161
273	Uncoated paper and paperboard in large rolls or sheets	23 359	1.0	39 911	.9	26 371	2.8	127
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	13 039	.6	15 434	.3	9 620	1.0	306
280	Paper or paperboard articles	31 959	1.4	24 638	.6	8 220	.9	222
291	Printed books, brochures, leaflets, and similar printed products	21 541	.9	4 463	.1	1 424	.1	813
292	Newspapers, journals, and periodicals	18 264	.8	14 889	.3	1 108	.1	63
293	Advertising material, commercial or trade catalogues, and similar printed products	8 660	.4	4 242	—	1 857	.2	403
299	Other printed products	12 914	.5	2 279	—	1 183	.1	492
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	53 282	2.3	14 523	.3	6 111	.6	647
302	Textile clothing and accessories, and headgear, except safety	86 653	3.7	5 194	.1	2 603	.3	880
303	Textiles and textile articles, n.e.c.	51 040	2.2	11 700	.3	6 700	.7	716
304	Footwear	7 194	.3	S	S	277	—	904
305	Leather and articles, luggage of related materials, and dressed furskins and articles	2 805	.1	260	—	137	—	720
311	Hydraulic cements	2 788	.1	51 069	1.1	4 946	.5	92
312	Ceramic products	5 353	.2	17 463	.4	3 564	.4	538
313	Glass and glass products	11 154	.5	10 346	.2	5 123	.5	298
319	Other nonmetallic mineral products	18 965	.8	259 018	5.8	21 830	2.3	71
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	5 737	.2	9 743	.2	2 998	.3	171
322	Flat-rolled products of iron or steel	17 550	.7	32 447	.7	9 747	1.0	149
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	18 287	.8	32 034	.7	13 984	1.5	195
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	31 187	1.3	13 762	.3	8 432	.9	292
331	Pipes, tubes, and fittings	26 337	1.1	19 398	.4	8 087	.8	231
332	Structures and parts, except prefabricated buildings	12 815	.5	10 046	.2	4 110	.4	252
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	17 825	.8	3 220	—	1 344	.1	361
339	Other articles of metal	13 468	.6	5 559	.1	2 303	.2	278
341	Internal-combustion piston engines	16 314	.7	1 438	—	745	—	198
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	9 957	.4	479	—	363	—	408
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	15 406	.7	1 735	—	1 062	.1	330
344	Air-conditioning, refrigerating, or freezing equipment	15 602	.7	2 671	—	1 545	.2	188
345	Materials-handling, excavating, boring, and related machinery and equipment	15 939	.7	2 891	—	1 479	.2	289
349	Other machinery	52 115	2.2	5 137	.1	2 561	.3	294
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	13 201	.6	2 047	—	1 328	.1	359
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	4 849	.2	1 124	—	551	—	328
353	Line telephone or telegraph apparatus	20 268	.9	348	—	235	—	613
354	Electronic entertainment products, except parts	17 469	.7	937	—	619	—	723
355	Computer and office equipment	74 295	3.2	1 460	—	1 217	.1	717
356	Prepared unrecorded or prerecorded media	10 197	.4	551	—	350	—	903
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	11 929	.5	152	—	141	—	843
358	Electronic components and parts	48 068	2.0	872	—	439	—	971
359	Other electronic and electrical equipment	64 933	2.8	7 795	.2	4 222	.4	254
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	60 088	2.6	6 420	.1	3 314	.3	405
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	13 475	.6	1 965	—	1 325	.1	483
363	Other vehicles	20 564	.9	4 880	.1	1 903	.2	371
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	61 054	2.6	9 229	.2	4 540	.5	210
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	3 062	.1	1 350	—	779	—	690
372	Aircraft and spacecraft	17 501	.7	106	—	94	—	825
373	Ships, boats, and floating structures	5 584	.2	518	—	423	—	429
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	172	—	160	—	866
382	Photographic and photocopying machines	4 536	.2	137	—	45	—	603
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	1 404	—	S	S	S	S	545
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	12 842	.5	517	—	365	—	772
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	8 452	.4	173	—	110	—	423

See footnotes at end of table.

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	40 012	1.7	8 284	.2	4 249	.4	504
401	Arms and ammunition	2 205	—	78	—	62	—	801
402	Toys, games, and sporting equipment	14 835	.6	1 482	—	722	—	899
409	Miscellaneous manufactured products	98 134	4.2	36 038	.8	12 288	1.3	625
411	Metallic waste and scrap	6 524	.3	28 418	.6	6 599	.7	136
412	Nonmetallic waste and scrap, except from food processing	1 430	—	15 021	.3	4 253	.4	230
439	Mixed freight	101 032	4.3	43 088	1.0	6 087	.6	141
—	Commodity unknown	11 297	.5	S	S	S	S	347

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

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

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

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

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	2 348 187	100.0	4 465 635	100.0	958 477	100.0	378
Single modes	2 038 992	86.8	4 233 899	94.8	879 767	91.8	174
Truck ¹	1 752 338	74.6	2 897 569	64.9	389 081	40.6	145
For-hire truck	988 765	42.1	1 273 125	28.5	272 585	28.4	472
Private truck	749 237	31.9	1 581 694	35.4	111 987	11.7	61
Rail	128 838	5.5	623 860	14.0	302 617	31.6	736
Water	45 741	1.9	326 956	7.3	138 554	14.5	486
Shallow draft	36 111	1.5	259 968	5.8	94 063	9.8	265
Great Lakes	—	—	—	—	—	—	—
Deep draft	9 630	.4	66 988	1.5	44 492	4.6	1 683
Air (includes truck and air)	47 304	2.0	913	—	1 092	.1	1 147
Pipeline ²	64 772	2.8	384 602	8.6	S	S	S
Multiple modes	223 565	9.5	63 408	1.4	57 494	6.0	759
Parcel, U.S. Postal Service or courier	198 444	8.5	5 766	.1	3 637	.4	758
Truck and rail	21 009	.9	16 102	.4	13 505	1.4	1 078
Truck and water	2 078	—	17 716	.4	19 772	2.1	S
Rail and water	388	—	12 703	.3	6 785	.7	502
Other multiple modes	1 646	—	11 121	.2	13 795	1.4	S
Other and unknown modes	85 630	3.6	168 328	3.8	21 216	2.2	64
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	2 082	100.0	2 229	100.0	680	100.0	359
Single modes	2 065	99.2	2 223	99.7	678	99.7	315
Truck ¹	2 062	99.0	2 223	99.7	678	99.7	182
For-hire truck	1 049	50.4	818	36.7	508	74.7	613
Private truck	1 013	48.7	1 405	63.0	170	25.0	109
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 336
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	677
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	677
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	172
SCTG 02, CEREAL GRAINS							
Total	12 447	100.0	93 425	100.0	16 401	100.0	80
Single modes	7 520	60.4	58 043	62.1	14 507	88.5	74
Truck ¹	3 755	30.2	28 934	31.0	2 883	17.6	64
For-hire truck	1 980	15.9	16 321	17.5	1 827	11.1	140
Private truck	1 683	13.5	11 815	12.6	992	6.0	41
Rail	1 366	11.0	10 059	10.8	5 473	33.4	644
Water	2 400	19.3	19 050	20.4	6 151	37.5	652
Shallow draft	1 606	12.9	14 257	15.3	4 395	26.8	614
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	790
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	645
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	703
Truck and rail	S	S	S	S	S	S	183
Truck and water	S	S	S	S	S	S	399
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	28 044	100.0	53 544	100.0	14 667	100.0	203
Single modes	25 837	92.1	46 887	87.6	13 084	89.2	85
Truck ¹	21 341	76.1	30 596	57.1	8 789	59.9	83
For-hire truck	9 825	35.0	13 531	25.3	6 993	47.7	701
Private truck	11 333	40.4	16 667	31.1	1 661	11.3	37
Rail	1 295	4.6	3 842	7.2	1 431	9.8	632
Water	3 181	11.3	12 445	23.2	2 856	19.5	334
Shallow draft	2 075	7.4	7 716	14.4	2 643	18.0	360
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	52
Air (includes truck and air)	20	—	4	—	8	—	1 735
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	364	1.3	S	S	349	2.4	1 145
Parcel, U.S. Postal Service or courier	247	.9	44	—	48	.3	1 145
Truck and rail	117	.4	S	S	301	2.1	1 114
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 843	6.6	5 502	10.3	S	S	54
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	22 814	100.0	80 762	100.0	10 660	100.0	40
Single modes	21 363	93.6	77 176	95.6	10 134	95.1	36
Truck ¹	20 265	88.8	72 121	89.3	7 842	73.6	35
For-hire truck	5 356	23.5	16 040	19.9	3 950	37.1	243
Private truck	14 865	65.2	55 861	69.2	3 875	36.3	25
Rail	899	3.9	3 494	4.3	1 699	15.9	577
Water	S	S	S	S	S	S	526
Shallow draft	S	S	S	S	S	S	655
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	4
Air (includes truck and air)	S	S	S	S	S	S	1 445
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	847	3.7	1 645	2.0	351	3.3	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	521	2.3	391	.5	242	2.3	598
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	152	.7	S	S	S	S	93
Other and unknown modes	604	2.6	1 941	2.4	176	1.6	21
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	61 878	100.0	30 812	100.0	12 734	100.0	152
Single modes	60 670	98.0	30 163	97.9	12 497	98.1	136
Truck ¹	59 815	96.7	29 782	96.7	12 188	95.7	126
For-hire truck	29 009	46.9	14 750	47.9	8 934	70.2	598
Private truck	30 013	48.5	14 616	47.4	3 034	23.8	78
Rail	S	S	S	S	262	2.1	1 077
Water	S	S	S	S	S	S	24
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	92
Air (includes truck and air)	S	S	S	S	S	S	1 666
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	148	.2	45	.1	S	S	1 330
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 334
Truck and rail	S	S	24	—	S	S	1 056
Truck and water	S	S	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 059	1.7	603	2.0	194	1.5	121

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	29 633	100.0	23 827	100.0	9 025	100.0	89
Single modes	29 292	98.8	23 505	98.6	8 787	97.4	83
Truck ¹	28 605	96.5	21 781	91.4	6 996	77.5	81
For-hire truck	9 911	33.4	10 053	42.2	4 642	51.4	365
Private truck	18 585	62.7	11 671	49.0	2 330	25.8	67
Rail	677	2.3	1 713	7.2	1 778	19.7	1 122
Water	S	S	S	S	S	S	700
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 204
Air (includes truck and air)	S	S	S	S	S	S	1 078
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	134	.5	138	.6	180	2.0	694
Parcel, U.S. Postal Service or courier	28	—	5	—	2	—	680
Truck and rail	106	.4	131	.6	165	1.8	1 139
Truck and water	S	S	S	S	S	S	7 273
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	208	.7	184	.8	58	.6	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	104 054	100.0	124 712	100.0	31 675	100.0	132
Single modes	101 320	97.4	121 041	97.1	28 922	91.3	66
Truck ¹	97 153	93.4	110 180	88.3	22 117	69.8	65
For-hire truck	34 156	32.8	36 197	29.0	14 123	44.6	449
Private truck	61 750	59.3	72 094	57.8	7 752	24.5	47
Rail	3 146	3.0	7 709	6.2	5 577	17.6	918
Water	924	.9	2 939	2.4	1 228	3.9	S
Shallow draft	924	.9	2 939	2.4	1 228	3.9	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1	—	—	—	—	—	1 047
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	1 856	1.8	2 710	2.2	2 455	7.7	895
Parcel, U.S. Postal Service or courier	369	.4	59	—	45	.1	894
Truck and rail	697	.7	726	.6	716	2.3	1 064
Truck and water	777	.7	1 899	1.5	S	S	239
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	872
Other and unknown modes	878	.8	960	.8	298	.9	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	27 871	100.0	23 651	100.0	4 089	100.0	31
Single modes	27 365	98.2	23 193	98.1	3 824	93.5	30
Truck ¹	26 605	95.5	22 553	95.4	3 409	83.4	30
For-hire truck	5 770	20.7	5 662	23.9	2 185	53.4	221
Private truck	20 834	74.8	16 891	71.4	1 224	29.9	27
Rail	758	2.7	S	S	415	10.1	901
Water	S	S	S	S	S	S	14
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	14
Air (includes truck and air)	S	S	S	S	S	S	807
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	259	.9	S	S	S	S	385
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	485
Truck and rail	251	.9	S	S	S	S	S
Truck and water	S	S	S	S	S	S	40
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	5 028
Other and unknown modes	247	.9	239	1.0	S	S	21

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	38 916	100.0	3 085	100.0	855	100.0	478
Single modes	38 085	97.9	3 027	98.1	805	94.1	129
Truck ¹	38 077	97.8	3 026	98.1	805	94.1	129
For-hire truck	24 674	63.4	955	31.0	711	83.2	678
Private truck	13 300	34.2	2 066	67.0	91	10.7	66
Rail	—	—	—	—	—	—	—
Water	\$	\$	\$	\$	\$	\$	17
Shallow draft	\$	\$	—	\$	\$	\$	23
Great Lakes	—	—	—	—	—	—	—
Deep draft	\$	\$	\$	\$	\$	\$	14
Air (includes truck and air)	\$	\$	\$	\$	\$	\$	1 775
Pipeline ²	—	—	—	—	\$	\$	\$
Multiple modes	562	1.4	18	.6	\$	\$	1 398
Parcel, U.S. Postal Service or courier	337	.9	11	.4	12	1.4	1 397
Truck and rail	\$	\$	\$	\$	\$	\$	3 245
Truck and water	\$	\$	\$	\$	\$	\$	6 990
Rail and water	—	—	—	—	—	—	—
Other multiple modes	\$	\$	\$	\$	\$	\$	1 730
Other and unknown modes	269	.7	39	1.3	6	.7	77
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	755	100.0	6 051	100.0	486	100.0	158
Single modes	719	95.3	6 015	99.4	471	96.9	131
Truck ¹	716	94.8	5 976	98.8	450	92.6	128
For-hire truck	262	34.8	977	16.1	330	68.0	380
Private truck	440	58.4	3 339	55.2	110	22.7	\$
Rail	\$	\$	\$	\$	\$	\$	548
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	\$	\$	\$	\$	\$	\$	4 616
Pipeline ²	—	—	—	—	\$	\$	\$
Multiple modes	\$	\$	\$	\$	\$	\$	669
Parcel, U.S. Postal Service or courier	\$	\$	\$	\$	\$	\$	669
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	\$	\$	\$	\$	\$	\$	\$
SCTG 11, NATURAL SANDS							
Total	1 481	100.0	177 493	100.0	11 601	100.0	42
Single modes	1 445	97.5	175 033	98.6	11 142	96.0	40
Truck ¹	1 284	86.7	162 570	91.6	6 891	59.4	38
For-hire truck	649	43.8	85 809	48.3	4 716	40.7	57
Private truck	633	42.7	76 088	42.9	2 133	18.4	22
Rail	145	9.8	5 882	3.3	2 016	17.4	292
Water	15	1.0	6 580	3.7	2 234	19.3	129
Shallow draft	15	1.0	6 580	3.7	2 234	19.3	129
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	\$	\$	\$	\$	\$	\$	821
Pipeline ²	—	—	—	—	\$	\$	\$
Multiple modes	\$	\$	\$	\$	\$	\$	779
Parcel, U.S. Postal Service or courier	\$	\$	\$	\$	\$	\$	866
Truck and rail	\$	\$	\$	\$	\$	\$	180
Truck and water	\$	\$	\$	\$	\$	\$	212
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	27	1.8	2 432	1.4	456	3.9	\$

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	4 316	100.0	671 150	100.0	36 406	100.0	43
Single modes	4 271	99.0	664 621	99.0	36 019	98.9	43
Truck ¹	4 012	93.0	618 569	92.2	24 831	68.2	41
For-hire truck	1 568	36.3	246 652	36.8	9 588	26.3	36
Private truck	2 345	54.3	358 047	53.3	14 880	40.9	46
Rail	194	4.5	34 894	5.2	7 099	19.5	217
Water	65	1.5	11 158	1.7	4 089	11.2	233
Shallow draft	65	1.5	11 158	1.7	4 089	11.2	233
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	222
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	5	.1	701	.1	S	S	464
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 028
Truck and rail	S	S	S	S	S	S	425
Truck and water	S	S	S	S	S	S	182
Rail and water	S	S	S	S	S	S	184
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	41	.9	5 828	.9	249	.7	36
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	5 293	100.0	104 223	100.0	28 800	100.0	204
Single modes	5 052	95.4	101 681	97.6	26 363	91.5	191
Truck ¹	3 659	69.1	61 814	59.3	7 162	24.9	170
For-hire truck	2 065	39.0	23 547	22.6	5 337	18.5	267
Private truck	1 590	30.0	37 515	36.0	1 809	6.3	124
Rail	1 173	22.2	23 864	22.9	10 388	36.1	593
Water	109	2.1	S	S	S	S	813
Shallow draft	99	1.9	S	S	S	S	1 015
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	177
Air (includes truck and air)	S	S	S	S	S	S	1 329
Pipeline ²	96	1.8	7 702	7.4	S	S	S
Multiple modes	S	S	S	S	S	S	544
Parcel, U.S. Postal Service or courier	22	.4	S	S	1	—	476
Truck and rail	S	S	S	S	S	—	1 083
Truck and water	S	S	S	S	S	S	1 740
Rail and water	S	S	S	S	S	S	1 214
Other multiple modes	S	S	S	S	5	—	18
Other and unknown modes	64	1.2	533	.5	149	.5	220
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	2 308	100.0	11 063	100.0	3 737	100.0	212
Single modes	2 096	90.8	10 590	95.7	3 359	89.9	181
Truck ¹	1 414	61.3	6 830	61.7	929	24.9	143
For-hire truck	905	39.2	5 790	52.3	809	21.6	203
Private truck	496	21.5	1 036	9.4	117	3.1	58
Rail	289	12.5	1 646	14.9	1 444	38.6	896
Water	S	S	S	S	983	26.3	396
Shallow draft	93	4.0	562	5.1	907	24.3	824
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	48
Air (includes truck and air)	S	S	S	S	S	S	1 620
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	111	4.8	218	2.0	217	5.8	698
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	672
Truck and rail	S	S	S	S	S	S	1 834
Truck and water	S	S	203	1.8	192	5.1	947
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	224

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	13 306	100.0	529 110	100.0	147 442	100.0	96
Single modes	11 405	85.7	434 827	82.2	127 110	86.2	51
Truck ¹	2 649	19.9	107 396	20.3	3 406	2.3	36
For-hire truck	2 163	16.3	81 328	15.4	2 836	1.9	38
Private truck	486	3.6	26 068	4.9	571	.4	S
Rail	7 634	57.4	282 026	53.3	107 937	73.2	355
Water	1 122	8.4	45 404	8.6	15 767	10.7	367
Shallow draft	1 122	8.4	45 404	8.6	15 767	10.7	373
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	11
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	733	5.5	27 334	5.2	17 251	11.7	521
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	25
Truck and rail	S	S	S	S	389	.3	301
Truck and water	256	1.9	9 905	1.9	5 200	3.5	527
Rail and water	339	2.5	11 533	2.2	5 701	3.9	391
Other multiple modes	S	S	S	S	S	S	1 481
Other and unknown modes	1 168	8.8	66 950	12.7	3 081	2.1	S
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	88 933	100.0	487 052	100.0	96 689	100.0	46
Single modes	87 714	98.6	482 215	99.0	86 142	89.1	48
Truck ¹	52 601	59.1	212 097	43.5	11 808	12.2	47
For-hire truck	21 106	23.7	88 122	18.1	6 139	6.3	70
Private truck	30 408	34.2	119 343	24.5	5 112	5.3	33
Rail	S	S	S	S	37	—	374
Water	6 768	7.6	57 294	11.8	38 617	39.9	445
Shallow draft	4 446	5.0	29 353	6.0	14 897	15.4	290
Great Lakes	—	—	—	—	—	—	—
Deep draft	2 322	2.6	27 942	5.7	23 720	24.5	845
Air (includes truck and air)	S	S	S	S	S	S	1 288
Pipeline ²	28 295	31.8	212 569	43.6	S	S	S
Multiple modes	704	.8	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 008
Truck and rail	S	S	S	S	S	S	214
Truck and water	S	S	S	S	S	S	5 291
Rail and water	—	—	—	—	—	—	—
Other multiple modes	380	.4	1 140	.2	S	S	S
Other and unknown modes	515	.6	1 817	.4	50	—	S
SCTG 18, FUEL OILS							
Total	42 177	100.0	235 449	100.0	31 596	100.0	30
Single modes	40 996	97.2	229 373	97.4	25 384	80.3	31
Truck ¹	19 243	45.6	90 799	38.6	4 971	15.7	31
For-hire truck	6 485	15.4	32 217	13.7	2 336	7.4	77
Private truck	12 349	29.3	56 771	24.1	2 577	8.2	23
Rail	252	.6	1 644	.7	525	1.7	430
Water	5 053	12.0	38 883	16.5	10 000	31.6	115
Shallow draft	3 907	9.3	29 822	12.7	6 410	20.3	102
Great Lakes	—	—	—	—	—	—	—
Deep draft	1 146	2.7	9 061	3.8	S	S	268
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	16 448	39.0	98 047	41.6	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	23
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	468	1.1	1 971	.8	70	.2	16

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	37 583	100.0	181 176	100.0	37 801	100.0	119
Single modes	36 074	96.0	176 557	97.5	36 837	97.4	115
Truck ¹	16 320	43.4	71 094	39.2	10 750	28.4	109
For-hire truck	7 411	19.7	36 257	20.0	5 991	15.8	246
Private truck	8 382	22.3	31 728	17.5	S	S	91
Rail	4 772	12.7	18 544	10.2	11 390	30.1	649
Water	7 741	20.6	51 281	28.3	13 322	35.2	432
Shallow draft	6 688	17.8	44 520	24.6	6 955	18.4	335
Great Lakes	—	—	—	—	—	—	—
Deep draft	1 053	2.8	6 761	3.7	6 367	16.8	887
Air (includes truck and air)	S	S	S	S	S	S	1 718
Pipeline ²	7 232	19.2	35 634	19.7	S	S	S
Multiple modes	323	.9	495	.3	610	1.6	523
Parcel, U.S. Postal Service or courier	64	.2	8	—	5	—	494
Truck and rail	S	S	S	S	S	S	1 500
Truck and water	S	S	S	S	S	S	251
Rail and water	S	S	S	S	S	S	417
Other multiple modes	S	S	S	S	S	S	1 856
Other and unknown modes	1 186	3.2	4 125	2.3	354	.9	S
SCTG 20, BASIC CHEMICALS							
Total	108 045	100.0	194 411	100.0	88 699	100.0	228
Single modes	102 311	94.7	185 152	95.2	85 270	96.1	154
Truck ¹	45 402	42.0	63 546	32.7	20 343	22.9	120
For-hire truck	36 113	33.4	40 438	20.8	17 092	19.3	414
Private truck	8 940	8.3	22 624	11.6	3 136	3.5	53
Rail	31 585	29.2	49 732	25.6	39 324	44.3	949
Water	14 051	13.0	45 590	23.5	24 895	28.1	464
Shallow draft	11 712	10.8	36 435	18.7	16 951	19.1	492
Great Lakes	—	—	—	—	—	—	—
Deep draft	2 339	2.2	9 155	4.7	7 944	9.0	310
Air (includes truck and air)	S	S	S	S	S	S	1 319
Pipeline ²	11 123	10.3	26 278	13.5	S	S	S
Multiple modes	1 864	1.7	1 474	.8	1 853	2.1	579
Parcel, U.S. Postal Service or courier	944	.9	42	—	25	—	575
Truck and rail	761	.7	526	.3	739	.8	1 300
Truck and water	S	S	S	S	S	S	1 038
Rail and water	S	S	S	S	S	S	4 355
Other multiple modes	75	—	S	S	S	S	475
Other and unknown modes	3 870	3.6	7 785	4.0	1 577	1.8	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	70 002	100.0	4 923	100.0	3 095	100.0	684
Single modes	52 480	75.0	4 589	93.2	2 879	93.0	244
Truck ¹	48 321	69.0	4 423	89.8	2 441	78.9	209
For-hire truck	32 229	46.0	2 946	59.8	2 194	70.9	355
Private truck	15 331	21.9	1 400	28.4	211	6.8	137
Rail	S	S	S	S	S	S	1 993
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	4 066	5.8	16	.3	18	.6	1 056
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	16 589	23.7	215	4.4	138	4.5	846
Parcel, U.S. Postal Service or courier	16 517	23.6	206	4.2	120	3.9	846
Truck and rail	71	.1	8	.2	13	.4	1 757
Truck and water	S	S	S	S	S	S	7 411
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	933	1.3	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	13 073	100.0	102 268	100.0	27 107	100.0	96
Single modes	12 294	94.0	98 286	96.1	24 424	90.1	97
Truck ¹	6 598	50.5	34 978	34.2	4 706	17.4	76
For-hire truck	2 494	19.1	16 520	16.2	3 199	11.8	218
Private truck	3 837	29.4	16 742	16.4	1 428	5.3	54
Rail	3 996	30.6	52 654	51.5	15 428	56.9	734
Water	1 315	10.1	8 325	8.1	3 677	13.6	314
Shallow draft	1 017	7.8	6 782	6.6	3 460	12.8	327
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	135
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	385	2.9	2 330	2.3	S	S	S
Multiple modes	103	.8	602	.6	S	S	806
Parcel, U.S. Postal Service or courier	S	S	1	—	—	—	796
Truck and rail	S	S	S	S	S	S	1 216
Truck and water	S	S	S	S	S	S	1 238
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 280
Other and unknown modes	S	S	3 380	3.3	S	S	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	61 116	100.0	36 449	100.0	17 210	100.0	318
Single modes	55 359	90.6	33 981	93.2	15 672	91.1	197
Truck ¹	50 097	82.0	28 695	78.7	11 743	68.2	190
For-hire truck	32 262	52.8	18 970	52.0	10 116	58.8	511
Private truck	16 939	27.7	9 028	24.8	1 396	8.1	57
Rail	4 232	6.9	3 792	10.4	3 868	22.5	1 036
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	32
Air (includes truck and air)	103	.2	9	—	14	—	1 267
Pipeline ²	S	S	455	1.2	S	S	S
Multiple modes	3 989	6.5	812	2.2	1 117	6.5	666
Parcel, U.S. Postal Service or courier	2 973	4.9	182	.5	89	.5	664
Truck and rail	1 005	1.6	616	1.7	1 014	5.9	1 613
Truck and water	S	S	S	S	S	S	4 858
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	240
Other and unknown modes	1 769	2.9	1 656	4.5	421	2.4	31
SCTG 24, PLASTICS AND RUBBER							
Total	108 620	100.0	59 035	100.0	38 201	100.0	290
Single modes	98 152	90.4	55 772	94.5	35 872	93.9	192
Truck ¹	81 144	74.7	35 482	60.1	17 033	44.6	175
For-hire truck	56 084	51.6	25 105	42.5	14 908	39.0	540
Private truck	24 688	22.7	10 155	17.2	2 046	5.4	62
Rail	16 584	15.3	20 207	34.2	18 799	49.2	962
Water	S	S	S	S	S	S	144
Shallow draft	S	S	S	S	S	S	153
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	107
Air (includes truck and air)	395	.4	39	—	38	.1	1 223
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	6 689	6.2	1 273	2.2	1 745	4.6	601
Parcel, U.S. Postal Service or courier	4 610	4.2	248	.4	169	.4	598
Truck and rail	1 965	1.8	1 009	1.7	1 565	4.1	1 574
Truck and water	S	S	S	S	S	S	5 325
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	706
Other and unknown modes	3 779	3.5	S	S	584	1.5	47

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	5 948	100.0	231 110	100.0	16 033	100.0	68
Single modes	5 771	97.0	227 634	98.5	15 290	95.4	59
Truck ¹	5 506	92.6	218 090	94.4	11 836	73.8	58
For-hire truck	2 402	40.4	87 200	37.7	5 763	35.9	72
Private truck	3 071	51.6	128 448	55.6	5 861	36.6	47
Rail	206	3.5	S	S	S	S	S
Water	S	S	S	S	S	S	179
Shallow draft	S	S	S	S	S	S	179
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 236
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 114
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 400
Truck and rail	S	S	S	S	S	S	512
Truck and water	S	S	S	S	S	S	284
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	96	1.6	1 522	.7	131	.8	S
SCTG 26, WOOD PRODUCTS							
Total	51 182	100.0	174 948	100.0	42 523	100.0	242
Single modes	49 598	96.9	172 337	98.5	41 228	97.0	153
Truck ¹	44 258	86.5	145 617	83.2	25 535	60.0	143
For-hire truck	22 078	43.1	75 386	43.1	17 484	41.1	305
Private truck	21 902	42.8	68 763	39.3	7 736	18.2	88
Rail	5 174	10.1	23 280	13.3	14 540	34.2	671
Water	S	S	S	S	S	S	257
Shallow draft	S	S	S	S	S	S	294
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	12
Air (includes truck and air)	10	—	1	—	—	—	1 260
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	674	1.3	590	.3	742	1.7	752
Parcel, U.S. Postal Service or courier	491	1.0	40	—	28	—	750
Truck and rail	182	.4	547	.3	712	1.7	1 044
Truck and water	S	S	S	S	S	S	764
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	239
Other and unknown modes	910	1.8	2 022	1.2	553	1.3	71
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	43 104	100.0	69 092	100.0	43 764	100.0	178
Single modes	41 848	97.1	67 083	97.1	42 273	96.6	162
Truck ¹	29 813	69.2	39 303	56.9	19 446	44.4	139
For-hire truck	21 000	48.7	31 448	45.5	18 089	41.3	500
Private truck	8 642	20.0	7 713	11.2	1 343	3.1	48
Rail	11 963	27.8	27 639	40.0	22 812	52.1	828
Water	S	S	S	S	S	S	181
Shallow draft	S	S	S	S	S	S	311
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	78
Air (includes truck and air)	S	S	S	S	S	S	849
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	713	1.7	1 060	1.5	1 170	2.7	440
Parcel, U.S. Postal Service or courier	220	.5	37	—	14	—	413
Truck and rail	464	1.1	960	1.4	1 111	2.5	1 240
Truck and water	S	S	S	S	S	S	1 067
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	543	1.3	949	1.4	321	.7	61

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	31 959	100.0	24 638	100.0	8 220	100.0	222
Single modes	29 822	93.3	23 892	97.0	7 847	95.5	119
Truck ¹	29 469	92.2	23 187	94.1	7 236	88.0	106
For-hire truck	18 121	56.7	14 320	58.1	6 126	74.5	283
Private truck	11 269	35.3	8 839	35.9	1 096	13.3	66
Rail	306	1.0	696	2.8	603	7.3	903
Water	S	S	S	S	S	S	75
Shallow draft	S	S	S	S	S	S	78
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	11
Air (includes truck and air)	37	.1	S	S	6	—	1 314
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	1 314	4.1	243	1.0	220	2.7	556
Parcel, U.S. Postal Service or courier	1 141	3.6	139	.6	61	.7	555
Truck and rail	168	.5	103	.4	151	1.8	1 442
Truck and water	S	S	S	S	S	S	7 460
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	287
Other and unknown modes	823	2.6	503	2.0	153	1.9	63
SCTG 29, PRINTED PRODUCTS							
Total	61 379	100.0	25 874	100.0	5 572	100.0	416
Single modes	43 297	70.5	22 988	88.8	4 673	83.9	155
Truck ¹	42 495	69.2	22 906	88.5	4 569	82.0	98
For-hire truck	21 873	35.6	9 543	36.9	3 899	70.0	407
Private truck	20 339	33.1	13 317	51.5	665	11.9	27
Rail	S	S	19	—	27	.5	S
Water	S	S	S	S	S	S	11
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	5
Air (includes truck and air)	720	1.2	63	.2	77	1.4	898
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	14 231	23.2	920	3.6	690	12.4	750
Parcel, U.S. Postal Service or courier	14 018	22.8	832	3.2	528	9.5	750
Truck and rail	212	.3	87	.3	161	2.9	2 272
Truck and water	S	S	S	S	S	S	7 386
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	3 851	6.3	1 966	7.6	209	3.7	S
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	200 973	100.0	32 351	100.0	15 828	100.0	817
Single modes	179 803	89.5	30 931	95.6	14 628	92.4	690
Truck ¹	178 935	89.0	30 577	94.5	14 131	89.3	639
For-hire truck	107 263	53.4	17 212	53.2	11 045	69.8	856
Private truck	70 301	35.0	13 072	40.4	2 979	18.8	168
Rail	303	.2	S	S	448	2.8	787
Water	S	S	S	S	S	S	30
Shallow draft	S	S	S	S	S	S	41
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	563	.3	35	.1	48	.3	1 529
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	16 953	8.4	835	2.6	942	6.0	912
Parcel, U.S. Postal Service or courier	16 226	8.1	616	1.9	519	3.3	911
Truck and rail	S	S	218	.7	S	S	1 954
Truck and water	S	S	S	S	S	S	3 103
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	74
Other and unknown modes	4 217	2.1	585	1.8	259	1.6	190

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	38 260	100.0	337 896	100.0	35 463	100.0	219
Single modes	36 066	94.3	331 160	98.0	33 169	93.5	98
Truck ¹	34 615	90.5	320 111	94.7	27 260	76.9	90
For-hire truck	18 293	47.8	82 256	24.3	18 695	52.7	350
Private truck	16 098	42.1	234 980	69.5	8 187	23.1	42
Rail	865	2.3	8 611	2.5	5 412	15.3	647
Water	128	.3	2 362	.7	419	1.2	S
Shallow draft	128	.3	2 362	.7	419	1.2	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 222
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 232	3.2	2 127	.6	865	2.4	909
Parcel, U.S. Postal Service or courier	951	2.5	62	—	44	.1	913
Truck and rail	256	.7	1 921	.6	759	2.1	488
Truck and water	S	S	S	S	47	.1	S
Rail and water	S	S	S	S	S	S	4 692
Other multiple modes	S	S	S	S	S	S	340
Other and unknown modes	962	2.5	4 609	1.4	1 429	4.0	103
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	72 761	100.0	87 986	100.0	35 162	100.0	210
Single modes	69 412	95.4	82 980	94.3	31 840	90.6	162
Truck ¹	60 415	83.0	64 901	73.8	19 573	55.7	154
For-hire truck	39 611	54.4	38 904	44.2	16 401	46.6	452
Private truck	20 566	28.3	25 401	28.9	3 088	8.8	66
Rail	8 162	11.2	15 664	17.8	10 765	30.6	722
Water	S	S	S	S	1 455	4.1	703
Shallow draft	S	S	S	S	1 455	4.1	703
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	183	.3	38	—	47	.1	1 151
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	1 451	2.0	1 028	1.2	1 317	3.7	534
Parcel, U.S. Postal Service or courier	1 210	1.7	73	—	35	.1	532
Truck and rail	148	.2	152	.2	213	.6	1 402
Truck and water	S	S	S	S	S	S	1 049
Rail and water	—	—	—	—	—	—	5 387
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 898	2.6	3 978	4.5	2 004	5.7	126
SCTG 33, ARTICLES OF BASE METAL							
Total	70 445	100.0	38 223	100.0	15 843	100.0	306
Single modes	60 212	85.5	36 594	95.7	14 669	92.6	187
Truck ¹	57 696	81.9	33 096	86.6	11 883	75.0	169
For-hire truck	34 006	48.3	19 592	51.3	8 481	53.5	509
Private truck	23 210	32.9	13 118	34.3	3 203	20.2	73
Rail	1 745	2.5	3 061	8.0	2 281	14.4	963
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	4 956
Air (includes truck and air)	546	.8	55	.1	67	.4	1 244
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	7 520	10.7	478	1.3	444	2.8	552
Parcel, U.S. Postal Service or courier	7 312	10.4	332	.9	216	1.4	552
Truck and rail	114	.2	36	—	64	.4	1 702
Truck and water	94	.1	S	S	S	S	5 139
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 714	3.9	1 151	3.0	730	4.6	85

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	125 334	100.0	14 352	100.0	7 756	100.0	275
Single modes	104 513	83.4	13 203	92.0	7 138	92.0	180
Truck ¹	100 276	80.0	12 969	90.4	6 927	89.3	147
For-hire truck	71 794	57.3	9 203	64.1	6 102	78.7	469
Private truck	28 165	22.5	3 698	25.8	792	10.2	52
Rail	1 542	1.2	185	1.3	154	2.0	958
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	2 693	2.1	50	.3	58	.7	1 152
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	15 353	12.2	532	3.7	436	5.6	439
Parcel, U.S. Postal Service or courier	14 668	11.7	405	2.8	191	2.5	438
Truck and rail	624	.5	116	.8	215	2.8	1 713
Truck and water	S	S	S	S	30	.4	6 406
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	5 468	4.4	617	4.3	181	2.3	65
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	265 208	100.0	15 287	100.0	9 101	100.0	505
Single modes	194 056	73.2	13 889	90.9	8 289	91.1	298
Truck ¹	173 112	65.3	13 594	88.9	7 918	87.0	222
For-hire truck	131 135	49.4	9 434	61.7	6 603	72.6	709
Private truck	40 455	15.3	3 985	26.1	1 165	12.8	51
Rail	685	.3	119	.8	173	1.9	1 482
Water	S	S	S	S	S	S	58
Shallow draft	S	S	S	S	S	S	58
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	58
Air (includes truck and air)	20 181	7.6	169	1.1	198	2.2	1 239
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	60 353	22.8	773	5.1	614	6.7	760
Parcel, U.S. Postal Service or courier	59 919	22.6	719	4.7	470	5.2	759
Truck and rail	423	.2	53	.3	136	1.5	2 519
Truck and water	S	S	S	S	S	S	7 743
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	88
Other and unknown modes	10 799	4.1	625	4.1	198	2.2	55
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	155 181	100.0	22 495	100.0	11 082	100.0	233
Single modes	119 833	77.2	18 532	82.4	9 100	82.1	121
Truck ¹	104 727	67.5	17 090	76.0	7 576	68.4	91
For-hire truck	75 609	48.7	11 665	51.9	5 970	53.9	398
Private truck	28 621	18.4	5 390	24.0	1 594	14.4	36
Rail	13 964	9.0	1 379	6.1	1 467	13.2	975
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 141	.7	62	.3	57	.5	1 043
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	16 255	10.5	1 460	6.5	1 357	12.2	559
Parcel, U.S. Postal Service or courier	6 051	3.9	312	1.4	161	1.5	553
Truck and rail	10 198	6.6	1 147	5.1	1 194	10.8	1 035
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	7 000
Other multiple modes	S	S	S	S	S	S	50
Other and unknown modes	19 093	12.3	2 503	11.1	625	5.6	54

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	26 147	100.0	1 974	100.0	1 297	100.0	737
Single modes	21 749	83.2	1 893	95.9	1 093	84.3	674
Truck ¹	15 383	58.8	1 038	52.6	567	43.7	325
For-hire truck	9 974	38.1	551	27.9	375	28.9	706
Private truck	5 231	20.0	482	24.4	185	14.3	155
Rail	1 646	6.3	759	38.5	496	38.3	793
Water	421	1.6	S	S	S	S	154
Shallow draft	338	1.3	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	388
Air (includes truck and air)	4 299	16.4	15	.8	19	1.5	1 330
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3 666	14.0	34	1.7	52	4.0	854
Parcel, U.S. Postal Service or courier	3 570	13.7	17	.9	15	1.1	853
Truck and rail	70	.3	16	.8	37	2.9	1 832
Truck and water	S	S	S	S	S	S	21
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	489
Other and unknown modes	732	2.8	46	2.4	S	S	308
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	40 091	100.0	1 055	100.0	694	100.0	789
Single modes	17 825	44.5	803	76.1	491	70.8	472
Truck ¹	14 239	35.5	739	70.1	453	65.3	258
For-hire truck	9 543	23.8	578	54.8	433	62.3	391
Private truck	4 662	11.6	160	15.2	20	2.9	90
Rail	S	S	S	S	S	S	1 771
Water	S	S	S	S	S	S	7
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	2
Air (includes truck and air)	3 560	8.9	S	S	37	5.3	927
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	20 867	52.0	190	18.0	160	23.0	890
Parcel, U.S. Postal Service or courier	20 837	52.0	186	17.6	147	21.1	890
Truck and rail	S	S	S	S	S	S	2 078
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 400	3.5	62	5.8	43	6.2	230
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	40 012	100.0	8 284	100.0	4 249	100.0	504
Single modes	38 108	95.2	8 043	97.1	4 045	95.2	433
Truck ¹	37 786	94.4	8 018	96.8	3 997	94.1	422
For-hire truck	19 132	47.8	4 309	52.0	2 928	68.9	729
Private truck	18 078	45.2	3 595	43.4	990	23.3	143
Rail	64	.2	18	.2	40	.9	2 273
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	258	.6	6	—	8	.2	1 246
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	1 166	2.9	122	1.5	120	2.8	838
Parcel, U.S. Postal Service or courier	1 063	2.7	97	1.2	79	1.9	835
Truck and rail	92	.2	23	.3	32	.8	1 636
Truck and water	S	S	S	S	S	S	7 596
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	739	1.8	120	1.4	84	2.0	81

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	115 174	100.0	37 598	100.0	13 073	100.0	660
Single modes	88 166	76.6	35 335	94.0	11 870	90.8	338
Truck ¹	80 209	69.6	34 412	91.5	10 873	83.2	255
For-hire truck	44 037	38.2	16 813	44.7	7 950	60.8	558
Private truck	35 673	31.0	17 146	45.6	2 607	19.9	146
Rail	S	S	842	2.2	950	7.3	1 068
Water	S	S	S	S	S	S	604
Shallow draft	S	S	S	S	S	S	8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 906
Air (includes truck and air)	S	S	32	—	43	.3	1 269
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	22 726	19.7	928	2.5	778	5.9	863
Parcel, U.S. Postal Service or courier	22 173	19.3	733	1.9	537	4.1	863
Truck and rail	545	.5	192	.5	232	1.8	1 622
Truck and water	S	S	S	S	S	S	7 512
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	4 281	3.7	1 335	3.6	425	3.2	123
SCTG 41, WASTE AND SCRAP							
Total	7 954	100.0	43 439	100.0	10 852	100.0	171
Single modes	7 591	95.4	41 270	95.0	10 167	93.7	168
Truck ¹	5 731	72.1	27 385	63.0	5 456	50.3	150
For-hire truck	3 500	44.0	17 694	40.7	4 389	40.4	229
Private truck	2 227	28.0	9 645	22.2	1 063	9.8	77
Rail	1 630	20.5	12 256	28.2	3 976	36.6	340
Water	207	2.6	1 569	3.6	735	6.8	483
Shallow draft	179	2.3	1 306	3.0	685	6.3	522
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	245
Air (includes truck and air)	S	S	S	S	S	S	1 164
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	219	2.8	736	1.7	475	4.4	1 109
Parcel, U.S. Postal Service or courier	S	S	S	S	—	—	1 341
Truck and rail	162	2.0	252	.6	277	2.6	1 139
Truck and water	S	S	S	S	S	S	310
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	144	1.8	S	S	211	1.9	108
SCTG 43, MIXED FREIGHT							
Total	101 032	100.0	43 088	100.0	6 087	100.0	141
Single modes	97 786	96.8	42 110	97.7	5 845	96.0	118
Truck ¹	97 704	96.7	42 105	97.7	5 842	96.0	107
For-hire truck	11 306	11.2	5 155	12.0	1 392	22.9	260
Private truck	86 219	85.3	36 865	85.6	4 436	72.9	98
Rail	S	S	S	S	S	S	44
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 467
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 426	1.4	S	S	S	S	242
Parcel, U.S. Postal Service or courier	1 383	1.4	S	S	S	S	242
Truck and rail	S	S	S	S	S	S	1 529
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 820	1.8	790	1.8	150	2.5	S

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	11 297	100.0	S	S	S	S	347
Single modes	9 655	85.5	S	S	S	S	234
Truck ¹	8 830	78.2	S	S	S	S	195
For-hire truck	4 562	40.4	2 858	14.3	995	16.0	451
Private truck	4 266	37.8	S	S	S	S	131
Rail	295	2.6	744	3.7	649	10.4	910
Water	S	S	S	S	S	S	2 904
Shallow draft	S	S	S	S	S	S	217
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	5 715
Air (includes truck and air)	113	1.0	2	—	2	—	1 186
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	1 001	8.9	S	S	S	S	537
Parcel, U.S. Postal Service or courier	805	7.1	28	.1	16	.3	536
Truck and rail	S	S	S	S	S	S	830
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	3 083
Other and unknown modes	641	5.7	S	S	98	1.6	146

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

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

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

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

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

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

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	2 348 187	4 465 635	958 477
Less than 50 miles	700 923	2 511 658	52 662
50 to 99 miles	194 150	473 095	45 119
100 to 249 miles	401 175	603 269	141 467
250 to 499 miles	380 848	439 301	211 085
500 to 749 miles	250 063	203 828	171 747
750 to 999 miles	154 108	121 213	132 190
1,000 to 1,499 miles	162 475	85 265	137 318
1,500 to 1,999 miles	61 079	18 731	41 241
2,000 miles or more	43 367	9 275	25 647
SCTG 01, Live animals and live fish	2 082	2 229	680
Less than 50 miles	531	856	21
50 to 99 miles	176	S	S
100 to 249 miles	329	S	S
250 to 499 miles	401	334	159
500 to 749 miles	327	217	173
750 to 999 miles	215	132	132
1,000 to 1,499 miles	83	60	77
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	12 447	93 425	16 401
Less than 50 miles	8 609	65 952	2 050
50 to 99 miles	700	5 896	535
100 to 249 miles	987	6 987	1 487
250 to 499 miles	622	5 223	2 591
500 to 749 miles	1 102	7 371	6 817
750 to 999 miles	216	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	28 044	53 544	14 667
Less than 50 miles	12 527	29 220	981
50 to 99 miles	2 749	4 460	448
100 to 249 miles	5 303	6 217	1 456
250 to 499 miles	3 156	5 700	2 784
500 to 749 miles	1 590	4 107	3 543
750 to 999 miles	880	1 641	1 798
1,000 to 1,499 miles	1 070	1 428	1 988
1,500 to 1,999 miles	563	648	1 327
2,000 miles or more	205	122	340
SCTG 04, Animal feed and products of animal origin, n.e.c.	22 814	80 762	10 660
Less than 50 miles	11 027	52 339	1 527
50 to 99 miles	3 217	9 051	823
100 to 249 miles	3 722	9 728	1 944
250 to 499 miles	2 488	5 286	2 273
500 to 749 miles	1 117	3 167	2 459
750 to 999 miles	701	655	730
1,000 to 1,499 miles	372	427	646
1,500 to 1,999 miles	125	80	175
2,000 miles or more	S	29	85
SCTG 05, Meat, fish, seafood, and their preparations	61 878	30 812	12 734
Less than 50 miles	14 806	7 056	194
50 to 99 miles	6 499	3 446	334
100 to 249 miles	12 314	6 763	1 385
250 to 499 miles	11 427	6 215	2 676
500 to 749 miles	7 026	3 390	2 517
750 to 999 miles	3 984	1 408	1 466
1,000 to 1,499 miles	4 043	1 771	2 482
1,500 to 1,999 miles	1 216	516	1 028
2,000 miles or more	561	247	652
SCTG 06, Milled grain products and preparations, and bakery products	29 633	23 827	9 025
Less than 50 miles	8 076	6 040	161
50 to 99 miles	3 737	3 690	342
100 to 249 miles	7 228	4 870	980
250 to 499 miles	4 763	4 114	1 796
500 to 749 miles	2 854	2 227	1 678
750 to 999 miles	1 425	1 396	1 528
1,000 to 1,499 miles	905	998	1 443
1,500 to 1,999 miles	515	411	873
2,000 miles or more	131	82	224
SCTG 07, Other prepared foodstuffs and fats and oils	104 054	124 712	31 675
Less than 50 miles	37 648	49 990	1 181
50 to 99 miles	15 250	19 441	1 788
100 to 249 miles	21 140	25 038	4 909
250 to 499 miles	12 966	14 652	6 648
500 to 749 miles	7 193	7 717	6 104
750 to 999 miles	4 162	3 262	3 422
1,000 to 1,499 miles	3 647	3 393	4 672
1,500 to 1,999 miles	1 426	860	1 958
2,000 miles or more	622	358	993

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	27 871	23 651	4 089
Less than 50 miles	17 855	14 237	267
50 to 99 miles	1 874	1 096	95
100 to 249 miles	3 340	3 675	760
250 to 499 miles	2 744	3 147	1 331
500 to 749 miles	809	708	546
750 to 999 miles	451	451	474
1,000 to 1,499 miles	500	218	328
1,500 to 1,999 miles	259	102	232
2,000 miles or more	40	18	55
SCTG 09, Tobacco products	38 916	3 085	855
Less than 50 miles	13 282	2 017	56
50 to 99 miles	1 468	117	11
100 to 249 miles	2 425	208	42
250 to 499 miles	8 993	331	159
500 to 749 miles	5 292	176	130
750 to 999 miles	1 964	62	65
1,000 to 1,499 miles	1 660	52	71
1,500 to 1,999 miles	1 272	37	79
2,000 miles or more	2 561	85	242
SCTG 10, Monumental or building stone	755	6 051	486
Less than 50 miles	289	4 772	44
50 to 99 miles	39	179	18
100 to 249 miles	208	668	141
250 to 499 miles	105	262	116
500 to 749 miles	54	106	75
750 to 999 miles	17	32	32
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	1 481	177 493	11 601
Less than 50 miles	831	127 719	2 619
50 to 99 miles	177	32 263	2 868
100 to 249 miles	168	13 241	3 556
250 to 499 miles	165	3 305	1 431
500 to 749 miles	67	463	395
750 to 999 miles	45	236	290
1,000 to 1,499 miles	22	236	373
1,500 to 1,999 miles	2	S	S
2,000 miles or more	4	9	23
SCTG 12, Gravel and crushed stone	4 316	671 150	36 406
Less than 50 miles	3 405	545 693	9 237
50 to 99 miles	374	64 173	5 854
100 to 249 miles	320	44 527	9 878
250 to 499 miles	74	10 444	4 752
500 to 749 miles	S	2 759	2 543
750 to 999 miles	18	2 858	3 269
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	5 293	104 223	28 800
Less than 50 miles	1 163	66 389	1 889
50 to 99 miles	398	5 554	544
100 to 249 miles	1 518	9 035	2 214
250 to 499 miles	857	5 434	2 743
500 to 749 miles	599	8 878	S
750 to 999 miles	326	5 644	7 128
1,000 to 1,499 miles	334	2 627	3 869
1,500 to 1,999 miles	37	244	513
2,000 miles or more	62	418	1 246
SCTG 14, Metallic ores and concentrates	2 308	11 063	3 737
Less than 50 miles	596	4 945	70
50 to 99 miles	151	S	S
100 to 249 miles	443	2 251	608
250 to 499 miles	411	590	324
500 to 749 miles	175	321	255
750 to 999 miles	261	794	1 017
1,000 to 1,499 miles	217	554	946
1,500 to 1,999 miles	S	S	S
2,000 miles or more	11	S	S
SCTG 15, Coal	13 306	529 110	147 442
Less than 50 miles	4 688	213 447	5 116
50 to 99 miles	1 107	41 693	6 037
100 to 249 miles	3 103	115 429	38 208
250 to 499 miles	3 771	134 118	70 805
500 to 749 miles	605	23 610	25 951
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	5	S	S
2,000 miles or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	88 933	487 052	96 689
Less than 50 miles	57 602	299 655	4 481
50 to 99 miles	9 047	39 058	3 479
100 to 249 miles	10 731	51 983	9 397
250 to 499 miles	6 343	31 916	11 092
500 to 749 miles	2 657	26 565	20 820
750 to 999 miles	1 598	28 176	26 330
1,000 to 1,499 miles	939	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	42 177	235 449	31 596
Less than 50 miles	29 910	165 408	3 171
50 to 99 miles	3 481	19 599	1 787
100 to 249 miles	5 517	29 858	5 781
250 to 499 miles	1 201	7 764	S
500 to 749 miles	933	5 607	4 351
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	37 583	181 176	37 801
Less than 50 miles	17 359	112 139	2 126
50 to 99 miles	3 871	16 667	1 544
100 to 249 miles	5 159	20 525	4 087
250 to 499 miles	4 141	14 048	7 273
500 to 749 miles	3 153	8 511	7 386
750 to 999 miles	1 546	2 793	3 240
1,000 to 1,499 miles	2 007	5 926	10 829
1,500 to 1,999 miles	300	533	1 217
2,000 miles or more	47	35	100
SCTG 20, Basic chemicals	108 045	194 411	88 699
Less than 50 miles	28 744	66 791	1 320
50 to 99 miles	6 488	17 568	1 653
100 to 249 miles	14 514	31 173	7 478
250 to 499 miles	19 758	29 949	13 426
500 to 749 miles	9 156	12 161	10 359
750 to 999 miles	11 633	17 269	21 800
1,000 to 1,499 miles	S	17 573	28 028
1,500 to 1,999 miles	1 729	1 346	2 971
2,000 miles or more	773	580	1 665
SCTG 21, Pharmaceutical products	70 002	4 923	3 095
Less than 50 miles	16 106	1 093	21
50 to 99 miles	6 389	378	37
100 to 249 miles	18 608	756	148
250 to 499 miles	11 736	894	425
500 to 749 miles	6 091	789	598
750 to 999 miles	3 755	263	273
1,000 to 1,499 miles	4 306	315	457
1,500 to 1,999 miles	1 302	70	143
2,000 miles or more	1 708	S	S
SCTG 22, Fertilizers	13 073	102 268	27 107
Less than 50 miles	6 932	66 897	1 988
50 to 99 miles	834	4 134	402
100 to 249 miles	1 391	7 565	1 755
250 to 499 miles	1 292	8 873	4 296
500 to 749 miles	1 029	6 077	5 452
750 to 999 miles	875	5 008	6 126
1,000 to 1,499 miles	543	2 762	4 543
1,500 to 1,999 miles	36	185	391
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	61 116	36 449	17 210
Less than 50 miles	16 929	9 862	218
50 to 99 miles	4 009	2 740	263
100 to 249 miles	10 533	8 005	1 692
250 to 499 miles	11 360	6 077	2 747
500 to 749 miles	7 738	3 668	2 811
750 to 999 miles	3 879	2 145	2 251
1,000 to 1,499 miles	3 932	2 433	3 774
1,500 to 1,999 miles	1 583	1 034	2 091
2,000 miles or more	1 154	485	1 364
SCTG 24, Plastics and rubber	108 620	59 035	38 201
Less than 50 miles	23 307	13 191	311
50 to 99 miles	7 615	3 839	359
100 to 249 miles	15 354	7 835	1 698
250 to 499 miles	20 638	9 245	4 365
500 to 749 miles	15 329	7 818	6 167
750 to 999 miles	11 127	7 259	7 983
1,000 to 1,499 miles	10 100	7 210	11 171
1,500 to 1,999 miles	3 185	1 920	4 195
2,000 miles or more	1 964	718	1 952

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	5 948	231 110	16 033
Less than 50 miles	3 320	143 855	4 285
50 to 99 miles	1 336	64 548	5 274
100 to 249 miles	718	19 304	3 525
250 to 499 miles	285	1 286	528
500 to 749 miles	132	S	S
750 to 999 miles	72	S	S
1,000 to 1,499 miles	36	S	S
1,500 to 1,999 miles	41	59	121
2,000 miles or more	7	13	34
SCTG 26, Wood products	51 182	174 948	42 523
Less than 50 miles	13 952	61 365	1 913
50 to 99 miles	6 874	35 693	3 281
100 to 249 miles	13 255	41 315	9 571
250 to 499 miles	7 907	19 085	8 229
500 to 749 miles	4 393	8 612	6 722
750 to 999 miles	2 317	4 656	5 102
1,000 to 1,499 miles	1 555	3 113	5 070
1,500 to 1,999 miles	627	809	1 817
2,000 miles or more	301	300	817
SCTG 27, Pulp, newsprint, paper, and paperboard	43 104	69 092	43 764
Less than 50 miles	8 468	8 957	191
50 to 99 miles	2 895	4 720	495
100 to 249 miles	6 575	11 743	2 845
250 to 499 miles	8 370	14 754	7 548
500 to 749 miles	7 703	13 264	10 900
750 to 999 miles	4 860	9 189	10 077
1,000 to 1,499 miles	2 699	4 321	6 677
1,500 to 1,999 miles	1 204	1 740	3 909
2,000 miles or more	331	403	1 123
SCTG 28, Paper or paperboard articles	31 959	24 638	8 220
Less than 50 miles	9 731	7 597	179
50 to 99 miles	3 080	3 195	294
100 to 249 miles	6 382	5 391	1 090
250 to 499 miles	5 560	3 897	1 713
500 to 749 miles	3 395	2 194	1 651
750 to 999 miles	1 956	1 321	1 349
1,000 to 1,499 miles	1 152	627	912
1,500 to 1,999 miles	392	205	451
2,000 miles or more	312	211	582
SCTG 29, Printed products	61 379	25 874	5 572
Less than 50 miles	27 467	17 012	247
50 to 99 miles	2 818	1 163	104
100 to 249 miles	6 578	1 929	411
250 to 499 miles	8 021	2 439	1 097
500 to 749 miles	6 532	1 731	1 275
750 to 999 miles	3 526	635	638
1,000 to 1,499 miles	3 202	438	611
1,500 to 1,999 miles	2 097	382	805
2,000 miles or more	1 137	146	385
SCTG 30, Textiles, leather, and articles of textiles or leather	200 973	32 351	15 828
Less than 50 miles	38 531	7 030	167
50 to 99 miles	23 666	2 890	278
100 to 249 miles	38 176	7 058	1 464
250 to 499 miles	37 078	6 640	3 015
500 to 749 miles	26 335	3 864	2 878
750 to 999 miles	11 704	1 620	1 674
1,000 to 1,499 miles	10 540	1 287	1 823
1,500 to 1,999 miles	9 402	1 191	2 486
2,000 miles or more	5 542	771	2 042
SCTG 31, Nonmetallic mineral products	38 260	337 896	35 463
Less than 50 miles	14 941	239 434	4 209
50 to 99 miles	3 383	30 217	2 771
100 to 249 miles	7 381	40 374	8 288
250 to 499 miles	5 253	15 689	6 886
500 to 749 miles	3 160	5 820	4 346
750 to 999 miles	1 733	2 659	2 811
1,000 to 1,499 miles	1 518	2 893	4 134
1,500 to 1,999 miles	422	465	1 040
2,000 miles or more	468	345	978
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	72 761	87 986	35 162
Less than 50 miles	17 565	25 586	614
50 to 99 miles	5 802	8 323	784
100 to 249 miles	13 899	18 238	4 007
250 to 499 miles	15 989	17 528	8 547
500 to 749 miles	8 803	9 324	7 137
750 to 999 miles	4 888	4 460	5 108
1,000 to 1,499 miles	3 061	2 421	3 697
1,500 to 1,999 miles	1 675	1 501	3 620
2,000 miles or more	1 080	605	1 647

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	70 445	38 223	15 843
Less than 50 miles	21 625	11 199	218
50 to 99 miles	5 452	3 634	344
100 to 249 miles	11 275	6 575	1 355
250 to 499 miles	12 914	7 150	3 144
500 to 749 miles	8 177	5 259	3 986
750 to 999 miles	4 492	1 899	2 138
1,000 to 1,499 miles	3 802	1 392	2 006
1,500 to 1,999 miles	1 797	737	1 624
2,000 miles or more	909	378	1 029
SCTG 34, Machinery	125 334	14 352	7 756
Less than 50 miles	26 577	3 086	70
50 to 99 miles	9 609	1 012	95
100 to 249 miles	18 826	2 271	467
250 to 499 miles	27 039	3 106	1 468
500 to 749 miles	16 581	2 132	1 595
750 to 999 miles	10 739	1 168	1 200
1,000 to 1,499 miles	9 579	930	1 318
1,500 to 1,999 miles	2 839	366	787
2,000 miles or more	3 544	280	756
SCTG 35, Electronic and other electrical equipment and components and office equipment	265 208	15 287	9 101
Less than 50 miles	62 336	3 762	79
50 to 99 miles	9 218	742	70
100 to 249 miles	35 793	2 111	465
250 to 499 miles	36 189	2 637	1 201
500 to 749 miles	30 385	2 406	1 784
750 to 999 miles	26 864	1 336	1 398
1,000 to 1,499 miles	43 578	1 292	1 871
1,500 to 1,999 miles	12 409	757	1 573
2,000 miles or more	8 436	244	660
SCTG 36, Motorized and other vehicles (including parts)	155 181	22 495	11 082
Less than 50 miles	37 524	5 812	135
50 to 99 miles	8 301	1 466	133
100 to 249 miles	21 454	3 305	726
250 to 499 miles	36 465	5 518	2 630
500 to 749 miles	26 772	3 372	2 610
750 to 999 miles	10 091	1 233	1 321
1,000 to 1,499 miles	6 724	860	1 289
1,500 to 1,999 miles	4 609	544	1 223
2,000 miles or more	3 241	385	1 015
SCTG 37, Transportation equipment, n.e.c.	26 147	1 974	1 297
Less than 50 miles	4 603	313	10
50 to 99 miles	402	34	5
100 to 249 miles	4 208	401	84
250 to 499 miles	3 694	503	276
500 to 749 miles	3 985	409	323
750 to 999 miles	2 373	151	168
1,000 to 1,499 miles	2 309	67	98
1,500 to 1,999 miles	3 039	46	104
2,000 miles or more	1 534	51	S
SCTG 38, Precision instruments and apparatus	40 091	1 055	694
Less than 50 miles	6 961	194	5
50 to 99 miles	1 525	S	S
100 to 249 miles	4 387	126	24
250 to 499 miles	5 261	179	73
500 to 749 miles	5 557	210	158
750 to 999 miles	5 550	83	85
1,000 to 1,499 miles	7 335	75	106
1,500 to 1,999 miles	1 424	17	34
2,000 miles or more	2 092	S	200
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	40 012	8 284	4 249
Less than 50 miles	9 604	1 653	40
50 to 99 miles	2 602	627	56
100 to 249 miles	6 402	1 358	277
250 to 499 miles	8 584	1 867	859
500 to 749 miles	6 074	1 440	1 054
750 to 999 miles	3 113	653	673
1,000 to 1,499 miles	1 874	380	535
1,500 to 1,999 miles	773	142	303
2,000 miles or more	985	165	452
SCTG 40, Miscellaneous manufactured products	115 174	37 598	13 073
Less than 50 miles	23 536	12 365	273
50 to 99 miles	8 896	4 009	373
100 to 249 miles	21 492	8 330	1 702
250 to 499 miles	19 966	5 993	2 657
500 to 749 miles	13 462	2 836	2 079
750 to 999 miles	8 852	1 730	1 820
1,000 to 1,499 miles	11 781	1 510	2 243
1,500 to 1,999 miles	4 190	497	1 041
2,000 miles or more	3 000	330	887

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	7 954	43 439	10 852
Less than 50 miles	2 572	15 217	353
50 to 99 miles	673	5 258	531
100 to 249 miles	1 699	10 880	2 406
250 to 499 miles	1 761	8 425	4 069
500 to 749 miles	747	2 532	1 890
750 to 999 miles	221	523	560
1,000 to 1,499 miles	251	487	751
1,500 to 1,999 miles	S	64	152
2,000 miles or more	7	S	S
SCTG 43, Mixed freight	101 032	43 088	6 087
Less than 50 miles	36 702	17 976	551
50 to 99 miles	16 927	7 853	738
100 to 249 miles	34 921	13 537	2 611
250 to 499 miles	9 223	2 599	1 049
500 to 749 miles	1 907	626	456
750 to 999 miles	657	206	211
1,000 to 1,499 miles	412	S	S
1,500 to 1,999 miles	133	41	88
2,000 miles or more	149	S	S
Commodity unknown	11 297	S	S
Less than 50 miles	2 686	3 538	74
50 to 99 miles	1 040	862	80
100 to 249 miles	3 398	2 325	479
250 to 499 miles	1 877	S	S
500 to 749 miles	946	626	512
750 to 999 miles	473	271	288
1,000 to 1,499 miles	438	201	312
1,500 to 1,999 miles	194	71	S
2,000 miles or more	S	S	S

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

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

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

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

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	2 348 187	4 465 635	958 477
Less than 50 lb	214 883	5 570	2 113
50 to 99 lb	64 727	4 504	1 093
100 to 499 lb	200 347	27 811	5 535
500 to 749 lb	60 277	13 104	2 494
750 to 999 lb	43 041	11 008	2 202
1,000 to 9,999 lb	522 240	185 767	39 741
10,000 to 49,999 lb	872 377	1 614 987	281 419
50,000 to 99,999 lb	109 616	857 707	71 513
100,000 lb or more	260 679	1 745 178	552 367
SCTG 01, Live animals and live fish	2 082	2 229	680
Less than 50 lb	14	1	S
50 to 99 lb	6	1	—
100 to 499 lb	15	S	S
500 to 749 lb	1	1	—
750 to 999 lb	5	2	S
1,000 to 9,999 lb	205	94	11
10,000 to 49,999 lb	1 303	1 638	477
50,000 to 99,999 lb	316	274	122
100,000 lb or more	218	214	68
SCTG 02, Cereal grains	12 447	93 425	16 401
Less than 50 lb	S	S	S
50 to 99 lb	3	10	—
100 to 499 lb	14	49	1
500 to 749 lb	8	23	2
750 to 999 lb	4	15	1
1,000 to 9,999 lb	S	535	45
10,000 to 49,999 lb	608	3 940	727
50,000 to 99,999 lb	2 476	20 859	1 919
100,000 lb or more	9 062	67 994	13 707
SCTG 03, Other agricultural products	28 044	53 544	14 667
Less than 50 lb	930	145	48
50 to 99 lb	487	127	11
100 to 499 lb	1 480	911	72
500 to 749 lb	738	504	42
750 to 999 lb	457	425	34
1,000 to 9,999 lb	4 990	5 276	910
10,000 to 49,999 lb	10 283	16 062	5 833
50,000 to 99,999 lb	1 480	4 572	613
100,000 lb or more	7 200	25 524	7 103
SCTG 04, Animal feed and products of animal origin, n.e.c.	22 814	80 762	10 660
Less than 50 lb	109	S	3
50 to 99 lb	S	195	4
100 to 499 lb	687	987	21
500 to 749 lb	287	475	14
750 to 999 lb	179	233	11
1,000 to 9,999 lb	2 268	4 257	326
10,000 to 49,999 lb	14 075	48 435	5 680
50,000 to 99,999 lb	3 307	17 590	2 043
100,000 lb or more	1 739	8 526	2 559
SCTG 05, Meat, fish, seafood, and their preparations	61 878	30 812	12 734
Less than 50 lb	514	63	8
50 to 99 lb	799	138	13
100 to 499 lb	3 471	946	80
500 to 749 lb	1 505	496	57
750 to 999 lb	1 057	441	60
1,000 to 9,999 lb	14 532	6 194	1 681
10,000 to 49,999 lb	37 777	20 747	10 042
50,000 to 99,999 lb	1 076	844	392
100,000 lb or more	1 148	944	401
SCTG 06, Milled grain products and preparations, and bakery products	29 633	23 827	9 025
Less than 50 lb	370	124	8
50 to 99 lb	434	225	10
100 to 499 lb	1 955	759	51
500 to 749 lb	1 108	361	39
750 to 999 lb	921	346	49
1,000 to 9,999 lb	7 220	3 701	873
10,000 to 49,999 lb	15 799	13 920	5 812
50,000 to 99,999 lb	641	2 284	323
100,000 lb or more	1 186	2 107	1 859
SCTG 07, Other prepared foodstuffs and fats and oils	104 054	124 712	31 675
Less than 50 lb	1 042	216	32
50 to 99 lb	945	438	29
100 to 499 lb	5 799	4 186	215
500 to 749 lb	2 631	1 994	115
750 to 999 lb	2 078	1 637	94
1,000 to 9,999 lb	19 890	17 968	1 980
10,000 to 49,999 lb	63 085	75 785	19 919
50,000 to 99,999 lb	3 040	7 729	1 049
100,000 lb or more	5 545	14 760	8 241

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	27 871	23 651	4 089
Less than 50 lb	355	69	2
50 to 99 lb	439	144	4
100 to 499 lb	3 774	2 098	52
500 to 749 lb	1 863	1 234	32
750 to 999 lb	1 408	1 073	27
1,000 to 9,999 lb	9 588	7 719	214
10,000 to 49,999 lb	9 041	9 082	3 121
50,000 to 99,999 lb	977	1 513	285
100,000 lb or more	425	720	S
SCTG 09, Tobacco products	38 916	3 085	855
Less than 50 lb	952	27	8
50 to 99 lb	793	27	3
100 to 499 lb	2 772	128	24
500 to 749 lb	727	46	10
750 to 999 lb	526	32	7
1,000 to 9,999 lb	2 529	149	52
10,000 to 49,999 lb	30 408	2 611	721
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	58	S
SCTG 10, Monumental or building stone	755	6 051	486
Less than 50 lb	S	1	S
50 to 99 lb	4	1	—
100 to 499 lb	38	13	2
500 to 749 lb	17	7	2
750 to 999 lb	S	8	1
1,000 to 9,999 lb	153	155	33
10,000 to 49,999 lb	457	4 405	331
50,000 to 99,999 lb	S	S	62
100,000 lb or more	S	S	53
SCTG 11, Natural sands	1 481	177 493	11 601
Less than 50 lb	S	S	S
50 to 99 lb	S	—	S
100 to 499 lb	11	12	1
500 to 749 lb	2	8	—
750 to 999 lb	S	4	S
1,000 to 9,999 lb	79	1 149	43
10,000 to 49,999 lb	798	74 914	2 566
50,000 to 99,999 lb	347	67 247	3 641
100,000 lb or more	236	34 158	5 351
SCTG 12, Gravel and crushed stone	4 316	671 150	36 406
Less than 50 lb	S	S	—
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	—	S	S
750 to 999 lb	—	17	—
1,000 to 9,999 lb	51	2 463	76
10,000 to 49,999 lb	2 773	427 263	15 987
50,000 to 99,999 lb	960	161 242	7 701
100,000 lb or more	440	80 132	12 632
SCTG 13, Nonmetallic minerals n.e.c.	5 293	104 223	28 800
Less than 50 lb	22	2	1
50 to 99 lb	S	9	S
100 to 499 lb	105	45	8
500 to 749 lb	41	38	4
750 to 999 lb	15	11	1
1,000 to 9,999 lb	398	1 182	134
10,000 to 49,999 lb	2 803	46 376	5 092
50,000 to 99,999 lb	266	9 361	1 098
100,000 lb or more	1 605	47 198	22 454
SCTG 14, Metallic ores and concentrates	2 308	11 063	3 737
Less than 50 lb	S	1	—
50 to 99 lb	11	1	S
100 to 499 lb	157	7	2
500 to 749 lb	36	S	1
750 to 999 lb	S	S	S
1,000 to 9,999 lb	181	118	22
10,000 to 49,999 lb	1 047	5 401	948
50,000 to 99,999 lb	82	1 199	46
100,000 lb or more	772	4 327	2 718
SCTG 15, Coal	13 306	529 110	147 442
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	45	4
10,000 to 49,999 lb	87	2 438	253
50,000 to 99,999 lb	1 388	53 950	5 898
100,000 lb or more	11 687	472 675	141 287

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	88 933	487 052	96 689
Less than 50 lb	8	6	—
50 to 99 lb	6	13	—
100 to 499 lb	61	133	2
500 to 749 lb	29	49	1
750 to 999 lb	43	59	1
1,000 to 9,999 lb	4 615	8 119	300
10,000 to 49,999 lb	11 276	45 694	3 137
50,000 to 99,999 lb	35 679	139 843	8 012
100,000 lb or more	37 216	293 137	85 236
SCTG 18, Fuel oils	42 177	235 449	31 596
Less than 50 lb	S	6	—
50 to 99 lb	S	16	—
100 to 499 lb	152	275	4
500 to 749 lb	133	309	6
750 to 999 lb	120	313	5
1,000 to 9,999 lb	3 407	10 188	295
10,000 to 49,999 lb	5 109	25 313	1 507
50,000 to 99,999 lb	9 608	50 750	2 992
100,000 lb or more	23 625	148 279	26 787
SCTG 19, Coal and petroleum products, n.e.c.	37 583	181 176	37 801
Less than 50 lb	252	54	5
50 to 99 lb	206	71	7
100 to 499 lb	1 135	723	59
500 to 749 lb	280	321	13
750 to 999 lb	380	448	S
1,000 to 9,999 lb	3 031	4 352	S
10,000 to 49,999 lb	9 674	48 524	8 573
50,000 to 99,999 lb	2 205	12 836	1 370
100,000 lb or more	20 420	113 848	27 030
SCTG 20, Basic chemicals	108 045	194 411	88 699
Less than 50 lb	1 098	50	12
50 to 99 lb	371	66	13
100 to 499 lb	1 329	754	49
500 to 749 lb	510	309	29
750 to 999 lb	372	285	26
1,000 to 9,999 lb	6 277	3 483	879
10,000 to 49,999 lb	37 783	50 179	17 958
50,000 to 99,999 lb	2 116	6 093	1 423
100,000 lb or more	58 188	133 190	68 310
SCTG 21, Pharmaceutical products	70 002	4 923	3 095
Less than 50 lb	21 801	219	99
50 to 99 lb	4 276	83	24
100 to 499 lb	11 098	313	138
500 to 749 lb	2 065	90	51
750 to 999 lb	1 764	74	32
1,000 to 9,999 lb	13 037	550	226
10,000 to 49,999 lb	15 895	3 162	2 508
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	13 073	102 268	27 107
Less than 50 lb	S	S	S
50 to 99 lb	25	15	—
100 to 499 lb	85	81	4
500 to 749 lb	35	56	3
750 to 999 lb	27	36	3
1,000 to 9,999 lb	976	3 144	149
10,000 to 49,999 lb	3 727	17 000	2 792
50,000 to 99,999 lb	998	8 230	853
100,000 lb or more	7 122	73 694	23 302
SCTG 23, Chemical products and preparations, n.e.c.	61 116	36 449	17 210
Less than 50 lb	3 985	221	64
50 to 99 lb	1 539	157	37
100 to 499 lb	5 077	980	199
500 to 749 lb	1 811	402	103
750 to 999 lb	1 235	318	97
1,000 to 9,999 lb	11 916	3 905	1 493
10,000 to 49,999 lb	29 283	22 651	10 783
50,000 to 99,999 lb	583	1 260	288
100,000 lb or more	5 687	6 554	4 145
SCTG 24, Plastics and rubber	108 620	59 035	38 201
Less than 50 lb	5 285	250	71
50 to 99 lb	2 239	239	57
100 to 499 lb	8 432	1 348	296
500 to 749 lb	2 915	576	163
750 to 999 lb	1 947	395	129
1,000 to 9,999 lb	23 384	7 876	3 123
10,000 to 49,999 lb	46 940	26 558	15 081
50,000 to 99,999 lb	804	737	305
100,000 lb or more	16 673	21 055	18 978

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	5 948	231 110	16 033
Less than 50 lb	S	S	S
50 to 99 lb	S	—	S
100 to 499 lb	13	4	S
500 to 749 lb	4	S	S
750 to 999 lb	S	2	S
1,000 to 9,999 lb	145	391	50
10,000 to 49,999 lb	2 191	59 913	3 842
50,000 to 99,999 lb	2 956	136 510	7 376
100,000 lb or more	632	34 281	4 763
SCTG 26, Wood products	51 182	174 948	42 523
Less than 50 lb	647	54	21
50 to 99 lb	391	62	12
100 to 499 lb	1 837	419	56
500 to 749 lb	856	254	35
750 to 999 lb	648	247	34
1,000 to 9,999 lb	7 778	6 241	776
10,000 to 49,999 lb	27 694	82 545	18 826
50,000 to 99,999 lb	4 983	47 692	5 954
100,000 lb or more	6 347	37 435	16 809
SCTG 27, Pulp, newsprint, paper, and paperboard	43 104	69 092	43 764
Less than 50 lb	345	50	5
50 to 99 lb	277	71	9
100 to 499 lb	1 410	526	61
500 to 749 lb	494	246	27
750 to 999 lb	382	191	23
1,000 to 9,999 lb	4 247	2 976	528
10,000 to 49,999 lb	22 743	32 683	18 836
50,000 to 99,999 lb	1 322	3 582	1 402
100,000 lb or more	11 885	28 768	22 872
SCTG 28, Paper or paperboard articles	31 959	24 638	8 220
Less than 50 lb	1 256	113	25
50 to 99 lb	621	132	21
100 to 499 lb	2 012	617	73
500 to 749 lb	726	299	39
750 to 999 lb	516	210	25
1,000 to 9,999 lb	6 802	4 977	804
10,000 to 49,999 lb	19 340	16 746	6 292
50,000 to 99,999 lb	206	393	116
100,000 lb or more	479	1 152	824
SCTG 29, Printed products	61 379	25 874	5 572
Less than 50 lb	11 085	620	298
50 to 99 lb	2 893	279	81
100 to 499 lb	9 691	1 509	347
500 to 749 lb	2 544	663	112
750 to 999 lb	1 879	549	73
1,000 to 9,999 lb	19 016	8 997	1 272
10,000 to 49,999 lb	13 197	10 463	3 189
50,000 to 99,999 lb	301	281	S
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	200 973	32 351	15 828
Less than 50 lb	13 801	428	345
50 to 99 lb	4 088	220	167
100 to 499 lb	11 847	1 039	709
500 to 749 lb	4 953	569	351
750 to 999 lb	4 222	472	302
1,000 to 9,999 lb	75 038	7 385	3 901
10,000 to 49,999 lb	80 198	19 699	8 778
50,000 to 99,999 lb	5 922	1 632	477
100,000 lb or more	905	907	799
SCTG 31, Nonmetallic mineral products	38 260	337 896	35 463
Less than 50 lb	1 199	91	24
50 to 99 lb	487	82	17
100 to 499 lb	1 662	440	78
500 to 749 lb	435	193	37
750 to 999 lb	409	211	32
1,000 to 9,999 lb	5 677	9 999	923
10,000 to 49,999 lb	22 433	221 720	21 739
50,000 to 99,999 lb	4 316	66 651	6 093
100,000 lb or more	1 643	38 510	6 520
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	72 761	87 986	35 162
Less than 50 lb	1 397	73	16
50 to 99 lb	797	98	16
100 to 499 lb	3 384	826	125
500 to 749 lb	1 427	460	81
750 to 999 lb	1 042	406	64
1,000 to 9,999 lb	12 433	8 968	1 893
10,000 to 49,999 lb	39 864	50 000	17 136
50,000 to 99,999 lb	2 794	5 807	1 710
100,000 lb or more	9 623	21 347	14 120

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	70 445	38 223	15 843
Less than 50 lb	8 160	294	90
50 to 99 lb	2 655	200	60
100 to 499 lb	8 689	1 133	332
500 to 749 lb	2 722	491	154
750 to 999 lb	2 221	432	163
1,000 to 9,999 lb	18 967	6 892	2 152
10,000 to 49,999 lb	21 600	20 615	8 675
50,000 to 99,999 lb	1 912	2 347	751
100,000 lb or more	3 520	5 817	3 467
SCTG 34, Machinery	125 334	14 352	7 756
Less than 50 lb	15 931	362	96
50 to 99 lb	5 366	240	66
100 to 499 lb	15 722	1 106	343
500 to 749 lb	4 664	404	161
750 to 999 lb	3 206	295	156
1,000 to 9,999 lb	31 003	3 537	1 879
10,000 to 49,999 lb	42 102	7 394	4 377
50,000 to 99,999 lb	4 905	666	393
100,000 lb or more	2 435	348	284
SCTG 35, Electronic and other electrical equipment and components and office equipment	265 208	15 287	9 101
Less than 50 lb	54 856	539	241
50 to 99 lb	19 106	324	148
100 to 499 lb	52 248	1 372	668
500 to 749 lb	10 411	454	218
750 to 999 lb	7 164	363	201
1,000 to 9,999 lb	67 945	4 005	2 281
10,000 to 49,999 lb	50 918	7 261	4 783
50,000 to 99,999 lb	1 753	432	S
100,000 lb or more	808	S	140
SCTG 36, Motorized and other vehicles (including parts)	155 181	22 495	11 082
Less than 50 lb	10 181	478	113
50 to 99 lb	3 122	246	52
100 to 499 lb	10 630	894	271
500 to 749 lb	3 152	256	103
750 to 999 lb	1 846	213	76
1,000 to 9,999 lb	60 400	7 229	3 410
10,000 to 49,999 lb	54 961	11 053	5 684
50,000 to 99,999 lb	5 731	1 213	844
100,000 lb or more	S	912	529
SCTG 37, Transportation equipment, n.e.c.	26 147	1 974	1 297
Less than 50 lb	5 141	17	12
50 to 99 lb	1 828	7	5
100 to 499 lb	2 736	30	23
500 to 749 lb	1 286	10	9
750 to 999 lb	620	10	9
1,000 to 9,999 lb	8 636	354	221
10,000 to 49,999 lb	4 482	686	380
50,000 to 99,999 lb	488	219	139
100,000 lb or more	930	641	499
SCTG 38, Precision instruments and apparatus	40 091	1 055	694
Less than 50 lb	20 904	140	106
50 to 99 lb	2 975	37	21
100 to 499 lb	6 801	150	69
500 to 749 lb	1 295	38	20
750 to 999 lb	686	35	22
1,000 to 9,999 lb	5 563	285	248
10,000 to 49,999 lb	1 803	322	196
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	40 012	8 284	4 249
Less than 50 lb	1 443	74	40
50 to 99 lb	1 135	100	53
100 to 499 lb	6 972	797	416
500 to 749 lb	2 395	330	170
750 to 999 lb	1 421	264	140
1,000 to 9,999 lb	17 014	3 696	1 759
10,000 to 49,999 lb	9 210	2 879	1 589
50,000 to 99,999 lb	254	96	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	115 174	37 598	13 073
Less than 50 lb	28 404	538	290
50 to 99 lb	4 843	270	120
100 to 499 lb	12 629	1 144	521
500 to 749 lb	4 070	453	210
750 to 999 lb	2 515	365	169
1,000 to 9,999 lb	24 591	5 753	2 168
10,000 to 49,999 lb	34 966	22 301	7 326
50,000 to 99,999 lb	1 680	4 525	977
100,000 lb or more	1 475	2 248	1 292

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	7 954	43 439	10 852
Less than 50 lb	1	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	—
500 to 749 lb	S	S	—
750 to 999 lb	S	S	—
1,000 to 9,999 lb	S	595	31
10,000 to 49,999 lb	4 897	22 621	4 752
50,000 to 99,999 lb	464	4 153	587
100,000 lb or more	2 111	16 058	5 480
SCTG 43, Mixed freight	101 032	43 088	6 087
Less than 50 lb	2 495	146	20
50 to 99 lb	1 083	142	20
100 to 499 lb	3 584	935	116
500 to 749 lb	1 796	610	70
750 to 999 lb	1 476	525	69
1,000 to 9,999 lb	25 360	10 226	1 726
10,000 to 49,999 lb	64 034	29 790	3 983
50,000 to 99,999 lb	619	386	53
100,000 lb or more	585	328	S
Commodity unknown	11 297	S	S
Less than 50 lb	785	19	7
50 to 99 lb	260	16	5
100 to 499 lb	737	95	33
500 to 749 lb	303	43	9
750 to 999 lb	202	39	9
1,000 to 9,999 lb	2 017	641	158
10,000 to 49,999 lb	5 713	4 199	1 188
50,000 to 99,999 lb	535	S	S
100,000 lb or more	745	2 912	1 237

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

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

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

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

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	2 348 187	4 465 635	958 477	378	700 923	2 511 658	52 662	194 150	473 095	45 119
Less than 50 lb	214 883	5 570	2 113	483	54 792	2 617	47	12 736	434	40
50 to 99 lb	64 727	4 504	1 093	241	21 662	2 674	51	4 460	399	36
100 to 499 lb	200 347	27 811	5 535	200	71 964	17 747	338	15 010	2 621	235
500 to 749 lb	60 277	13 104	2 494	190	21 263	8 107	163	4 674	1 303	117
750 to 999 lb	43 041	11 008	2 202	200	14 166	6 612	133	3 857	1 122	102
1,000 to 9,999 lb	522 240	185 767	39 741	206	157 658	103 648	2 068	50 407	18 921	1 736
10,000 to 49,999 lb	872 377	1 614 987	281 419	177	204 170	976 032	19 058	74 645	167 172	15 152
50,000 to 99,999 lb	109 616	857 707	71 513	81	59 089	561 065	13 659	15 761	173 107	14 945
100,000 lb or more	260 679	1 745 178	552 367	474	96 157	833 155	17 144	12 600	108 015	12 755
SCTG 01, Live animals and live fish	2 082	2 229	680	359	531	856	21	176	S	S
Less than 50 lb	14	1	S	507	3	1	—	S	S	S
50 to 99 lb	6	1	—	152	2	S	S	1	S	S
100 to 499 lb	15	S	S	214	7	2	—	S	S	S
500 to 749 lb	1	1	—	68	—	—	—	S	S	S
750 to 999 lb	5	2	S	369	3	1	—	—	—	S
1,000 to 9,999 lb	205	94	11	103	141	47	2	S	S	S
10,000 to 49,999 lb	1 303	1 638	477	272	238	606	13	112	S	S
50,000 to 99,999 lb	316	274	122	458	S	S	S	25	16	1
100,000 lb or more	218	214	68	390	S	S	S	S	S	S
SCTG 02, Cereal grains	12 447	93 425	16 401	80	8 609	65 952	2 050	700	5 896	535
Less than 50 lb	S	S	S	194	S	S	S	S	S	S
50 to 99 lb	3	10	—	S	2	9	—	S	S	S
100 to 499 lb	14	49	1	S	13	46	—	S	S	S
500 to 749 lb	8	23	2	S	5	18	—	S	S	S
750 to 999 lb	4	15	1	51	3	12	—	S	S	S
1,000 to 9,999 lb	S	535	45	77	128	365	7	11	37	3
10,000 to 49,999 lb	608	3 940	727	166	245	1 703	57	104	762	72
50,000 to 99,999 lb	2 476	20 859	1 919	93	1 375	11 533	358	495	4 266	380
100,000 lb or more	9 062	67 994	13 707	486	6 838	52 264	1 628	87	S	S
SCTG 03, Other agricultural products	28 044	53 544	14 667	203	12 527	29 220	981	2 749	4 460	448
Less than 50 lb	930	145	48	314	647	92	1	S	12	1
50 to 99 lb	487	127	11	89	320	105	2	S	12	1
100 to 499 lb	1 480	911	72	84	1 024	743	12	140	94	8
500 to 749 lb	738	504	42	83	449	383	7	65	62	5
750 to 999 lb	457	425	34	80	275	286	5	99	94	9
1,000 to 9,999 lb	4 990	5 276	910	130	2 428	2 842	47	696	781	72
10,000 to 49,999 lb	10 283	16 062	5 833	345	2 711	6 161	176	1 093	1 695	158
50,000 to 99,999 lb	1 480	4 572	613	125	796	3 050	129	157	619	55
100,000 lb or more	7 200	25 524	7 103	535	3 876	15 556	602	331	1 092	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	22 814	80 762	10 660	40	11 027	52 339	1 527	3 217	9 051	823
Less than 50 lb	109	S	3	S	S	S	S	2	1	—
50 to 99 lb	S	195	4	19	S	192	S	1	S	S
100 to 499 lb	687	987	21	18	S	953	13	21	12	1
500 to 749 lb	287	475	14	S	S	438	6	17	13	1
750 to 999 lb	179	233	11	S	S	201	4	13	10	1
1,000 to 9,999 lb	2 268	4 257	326	63	1 062	3 010	68	255	475	43
10,000 to 49,999 lb	14 075	48 435	5 680	107	6 309	32 014	897	S	5 605	518
50,000 to 99,999 lb	3 307	17 590	2 043	114	1 998	11 203	321	381	2 241	192
100,000 lb or more	1 739	8 526	2 559	461	494	4 267	214	S	693	66
SCTG 05, Meat, fish, seafood, and their preparations	61 878	30 812	12 734	152	14 806	7 056	194	6 499	3 446	334
Less than 50 lb	514	63	8	167	290	41	1	S	10	1
50 to 99 lb	799	138	13	94	464	86	2	131	28	3
100 to 499 lb	3 471	946	80	82	2 246	605	15	548	179	16
500 to 749 lb	1 505	496	57	114	812	242	6	273	115	10
750 to 999 lb	1 057	441	60	134	501	206	5	179	82	7
1,000 to 9,999 lb	14 532	6 194	1 681	224	3 967	1 898	48	1 744	908	86
10,000 to 49,999 lb	37 777	20 747	10 042	469	6 112	3 562	103	3 449	2 003	197
50,000 to 99,999 lb	1 076	844	392	487	S	S	S	33	37	3
100,000 lb or more	1 148	944	401	571	S	202	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	29 633	23 827	9 025	89	8 076	6 040	161	3 737	3 690	342
Less than 50 lb	370	124	8	S	253	93	2	41	14	1
50 to 99 lb	434	225	10	S	339	185	4	44	21	2
100 to 499 lb	1 955	759	51	58	1 357	535	10	257	112	10
500 to 749 lb	1 108	361	39	108	486	170	4	296	92	8
750 to 999 lb	921	346	49	142	373	130	4	171	84	7
1,000 to 9,999 lb	7 220	3 701	873	193	2 342	1 192	29	1 042	643	58
10,000 to 49,999 lb	15 799	13 920	5 812	402	2 347	2 560	73	1 570	2 087	197
50,000 to 99,999 lb	641	2 284	323	139	261	1 000	30	159	536	50
100,000 lb or more	1 186	2 107	1 859	984	S	175	4	158	100	8

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	104 054	124 712	31 675	132	37 648	49 990	1 181	15 250	19 441	1 788
Less than 50 lb	1 042	216	32	317	676	163	4	80	16	1
50 to 99 lb	945	438	29	68	679	360	8	109	37	3
100 to 499 lb	5 799	4 186	215	49	4 348	3 457	73	590	415	35
500 to 749 lb	2 631	1 994	115	58	1 807	1 611	36	300	188	16
750 to 999 lb	2 078	1 637	94	58	1 381	1 313	28	213	131	12
1,000 to 9,999 lb	19 890	17 968	1 980	94	10 322	12 366	255	2 366	1 843	171
10,000 to 49,999 lb	63 085	75 785	19 919	242	15 702	24 193	608	10 803	14 677	1 339
50,000 to 99,999 lb	3 040	7 729	1 049	133	1 468	3 431	83	568	1 517	136
100,000 lb or more	5 545	14 760	8 241	588	1 264	3 096	85	220	618	75
SCTG 08, Alcoholic beverages	27 871	23 651	4 089	31	17 855	14 237	267	1 874	1 096	95
Less than 50 lb	355	69	2	33	298	59	1	41	7	1
50 to 99 lb	439	144	4	29	366	128	2	39	10	1
100 to 499 lb	3 774	2 098	52	25	3 321	1 952	36	312	106	9
500 to 749 lb	1 863	1 234	32	26	1 641	1 146	22	139	58	5
750 to 999 lb	1 408	1 073	27	25	1 285	1 018	20	78	37	3
1,000 to 9,999 lb	9 588	7 719	214	26	8 310	7 211	134	711	317	27
10,000 to 49,999 lb	9 041	9 082	3 121	283	2 279	2 137	43	512	482	43
50,000 to 99,999 lb	977	1 513	285	171	328	491	8	S	S	S
100,000 lb or more	425	720	S	486	S	S	S	—	—	—
SCTG 09, Tobacco products	38 916	3 085	855	478	13 282	2 017	56	1 468	117	11
Less than 50 lb	952	27	8	656	535	16	—	134	4	—
50 to 99 lb	793	27	3	118	552	20	—	107	3	—
100 to 499 lb	2 772	128	24	171	1 389	61	2	505	22	2
500 to 749 lb	727	46	10	206	259	19	1	167	9	1
750 to 999 lb	526	32	7	232	S	12	—	144	7	1
1,000 to 9,999 lb	2 529	149	52	356	559	41	1	192	15	1
10,000 to 49,999 lb	30 408	2 611	721	209	9 775	1 817	S	219	56	5
50,000 to 99,999 lb	S	S	S	249	S	S	S	—	—	—
100,000 lb or more	S	58	S	487	S	S	S	—	—	—
SCTG 10, Monumental or building stone	755	6 051	486	158	289	4 772	44	39	179	18
Less than 50 lb	S	1	S	394	1	—	S	S	S	S
50 to 99 lb	4	—	—	218	3	1	—	—	—	—
100 to 499 lb	38	13	2	151	30	9	—	—	—	—
500 to 749 lb	17	7	2	312	6	4	—	—	—	—
750 to 999 lb	S	8	1	183	S	4	—	—	—	—
1,000 to 9,999 lb	153	155	33	192	73	88	2	10	10	1
10,000 to 49,999 lb	457	4 405	331	S	150	3 487	33	—	106	10
50,000 to 99,999 lb	S	S	62	S	4	S	S	—	S	S
100,000 lb or more	S	S	53	160	S	S	S	—	—	—
SCTG 11, Natural sands	1 481	177 493	11 601	42	831	127 719	2 619	177	32 263	2 868
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	—	S	302	S	—	S	—	—	—
100 to 499 lb	11	12	1	67	S	10	—	—	1	—
500 to 749 lb	2	8	—	42	2	6	—	—	S	S
750 to 999 lb	S	4	S	89	S	3	—	—	S	S
1,000 to 9,999 lb	79	1 149	43	36	42	1 020	16	S	S	S
10,000 to 49,999 lb	798	74 914	2 566	30	499	64 948	1 116	65	7 133	625
50,000 to 99,999 lb	347	67 247	3 641	55	222	43 484	1 142	64	S	S
100,000 lb or more	236	34 158	5 351	165	57	18 248	345	35	3 532	341
SCTG 12, Gravel and crushed stone	4 316	671 150	36 406	43	3 405	545 693	9 237	374	64 173	5 854
Less than 50 lb	S	S	—	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	561	—	7	—	—	—	—
500 to 749 lb	—	S	S	S	—	S	S	—	—	—
750 to 999 lb	—	17	—	S	—	17	—	—	S	S
1,000 to 9,999 lb	51	2 463	76	31	40	2 245	29	4	S	7
10,000 to 49,999 lb	2 773	427 263	15 987	37	2 425	377 223	5 934	159	26 525	2 306
50,000 to 99,999 lb	960	161 242	7 701	48	734	126 666	2 396	153	26 302	2 296
100,000 lb or more	440	80 132	12 632	164	205	39 520	877	57	11 259	1 244
SCTG 13, Nonmetallic minerals n.e.c.	5 293	104 223	28 800	204	1 163	66 389	1 889	398	5 554	544
Less than 50 lb	22	2	1	513	7	1	—	S	S	S
50 to 99 lb	S	9	S	625	3	3	—	S	S	S
100 to 499 lb	105	45	8	181	60	29	1	2	2	—
500 to 749 lb	41	38	4	113	S	25	—	S	S	S
750 to 999 lb	15	11	1	126	4	5	—	S	S	S
1,000 to 9,999 lb	398	1 182	134	116	137	770	18	S	150	13
10,000 to 49,999 lb	2 803	46 376	5 092	113	460	36 872	S	230	1 905	174
50,000 to 99,999 lb	266	9 361	1 098	116	52	4 872	160	44	S	192
100,000 lb or more	1 605	47 198	22 454	585	426	23 812	784	46	1 349	164

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	2 308	11 063	3 737	212	596	4 945	70	151	S	S
Less than 50 lb	S	1	—	302	4	—	—	S	S	S
50 to 99 lb	11	1	S	S	4	S	S	S	S	S
100 to 499 lb	157	7	2	248	S	4	—	S	S	S
500 to 749 lb	36	S	1	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	181	118	22	S	36	S	1	S	S	S
10,000 to 49,999 lb	1 047	5 401	948	183	148	S	S	128	S	S
50,000 to 99,999 lb	82	1 199	46	S	S	S	S	S	29	3
100,000 lb or more	772	4 327	2 718	795	S	S	S	1	43	5
SCTG 15, Coal	13 306	529 110	147 442	96	4 688	213 447	5 116	1 107	41 693	6 037
Less than 50 lb	S	S	S	27	S	S	S	S	S	S
50 to 99 lb	S	S	S	57	S	S	—	—	—	—
100 to 499 lb	S	S	S	82	S	S	S	S	S	S
500 to 749 lb	S	S	S	70	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	45	4	64	S	35	1	S	S	S
10,000 to 49,999 lb	87	2 438	253	108	45	1 618	44	6	203	23
50,000 to 99,999 lb	1 388	53 950	5 898	91	1 092	42 411	1 049	46	1 478	150
100,000 lb or more	11 687	472 675	141 287	112	3 434	169 380	4 022	1 054	40 010	5 863
SCTG 17, Gasoline and aviation turbine fuel	88 933	487 052	96 689	46	57 602	299 655	4 481	9 047	39 058	3 479
Less than 50 lb	8	6	—	S	8	6	—	—	—	—
50 to 99 lb	6	13	—	12	5	12	—	S	S	S
100 to 499 lb	61	133	2	11	60	132	1	S	S	S
500 to 749 lb	29	49	1	23	29	48	1	S	S	S
750 to 999 lb	43	59	1	25	40	55	1	S	S	S
1,000 to 9,999 lb	4 615	8 119	300	31	3 775	6 947	133	468	661	60
10,000 to 49,999 lb	11 276	45 694	3 137	64	7 891	31 425	611	1 638	7 042	638
50,000 to 99,999 lb	35 679	139 843	8 012	58	27 107	102 857	2 287	5 405	22 736	1 936
100,000 lb or more	37 216	293 137	85 236	144	18 687	158 172	1 447	1 534	8 617	845
SCTG 18, Fuel oils	42 177	235 449	31 596	30	29 910	165 408	3 171	3 481	19 599	1 787
Less than 50 lb	S	6	—	12	S	6	—	S	S	S
50 to 99 lb	S	16	—	12	S	15	—	S	S	S
100 to 499 lb	152	275	4	13	151	272	3	S	S	S
500 to 749 lb	133	309	6	19	130	299	4	S	S	S
750 to 999 lb	120	313	5	17	119	307	5	S	S	S
1,000 to 9,999 lb	3 407	10 188	295	23	2 939	9 293	152	189	396	33
10,000 to 49,999 lb	5 109	25 313	1 507	55	3 832	18 626	416	772	3 948	348
50,000 to 99,999 lb	9 608	50 750	2 992	59	7 091	36 842	742	1 465	8 005	669
100,000 lb or more	23 625	148 279	26 787	154	15 625	99 747	1 849	1 052	7 240	737
SCTG 19, Coal and petroleum products, n.e.c.	37 583	181 176	37 801	119	17 359	112 139	2 126	3 871	16 667	1 544
Less than 50 lb	252	54	5	116	196	45	1	13	3	—
50 to 99 lb	206	71	7	94	149	59	1	18	5	—
100 to 499 lb	1 135	723	59	86	790	594	10	160	66	5
500 to 749 lb	280	321	13	43	213	291	6	28	13	1
750 to 999 lb	380	448	S	119	258	343	7	64	50	5
1,000 to 9,999 lb	3 031	4 352	S	129	1 936	3 063	67	402	468	40
10,000 to 49,999 lb	9 674	48 524	8 573	196	2 894	29 578	686	954	4 127	365
50,000 to 99,999 lb	2 205	12 836	1 370	106	1 138	7 619	163	461	1 801	168
100,000 lb or more	20 420	113 848	27 030	462	9 784	70 547	1 186	1 772	10 134	959
SCTG 20, Basic chemicals ..	108 045	194 411	88 699	228	28 744	66 791	1 320	6 488	17 568	1 653
Less than 50 lb	1 098	50	12	327	436	32	1	74	4	—
50 to 99 lb	371	66	13	214	103	45	1	21	5	—
100 to 499 lb	1 329	754	49	64	663	661	12	89	27	2
500 to 749 lb	510	309	29	95	235	251	6	33	18	2
750 to 999 lb	372	285	26	88	166	231	4	27	13	1
1,000 to 9,999 lb	6 277	3 483	879	219	1 580	1 703	40	667	521	47
10,000 to 49,999 lb	37 783	50 179	17 958	366	7 512	14 785	358	2 320	7 050	673
50,000 to 99,999 lb	2 116	6 093	1 423	205	737	3 055	73	209	985	92
100,000 lb or more	58 188	133 190	68 310	720	17 313	46 027	825	3 048	8 945	835
SCTG 21, Pharmaceutical products	70 002	4 923	3 095	684	16 106	1 093	21	6 389	378	37
Less than 50 lb	21 801	219	99	709	3 379	52	1	1 916	26	2
50 to 99 lb	4 276	83	24	304	1 001	24	1	517	12	1
100 to 499 lb	11 098	313	138	449	2 510	73	2	1 541	52	5
500 to 749 lb	2 065	90	51	587	256	15	—	207	12	1
750 to 999 lb	1 764	74	32	426	247	14	—	275	8	1
1,000 to 9,999 lb	13 037	550	226	435	2 889	122	3	1 263	99	9
10,000 to 49,999 lb	15 895	3 162	2 508	765	5 775	S	6	671	167	17
50,000 to 99,999 lb	S	S	S	495	S	S	S	S	S	S
100,000 lb or more	S	S	S	19	S	S	S	—	—	—

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	13 073	102 268	27 107	96	6 932	66 897	1 988	834	4 134	402
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	25	15	—	24	S	14	S	S	S	S
100 to 499 lb	85	81	4	40	56	65	1	S	S	S
500 to 749 lb	35	56	3	56	21	44	1	3	5	—
750 to 999 lb	27	36	3	74	12	25	—	3	3	—
1,000 to 9,999 lb	976	3 144	149	57	659	2 671	49	101	182	17
10,000 to 49,999 lb	3 727	17 000	2 792	131	2 026	8 809	222	445	2 395	229
50,000 to 99,999 lb	998	8 230	853	106	531	5 001	116	141	1 027	101
100,000 lb or more	7 122	73 694	23 302	651	3 579	50 261	1 598	72	504	53
SCTG 23, Chemical products and preparations, n.e.c.	61 116	36 449	17 210	318	16 929	9 862	218	4 009	2 740	263
Less than 50 lb	3 985	221	64	350	1 570	102	2	316	17	2
50 to 99 lb	1 539	157	37	229	736	85	1	83	10	1
100 to 499 lb	5 077	980	199	203	2 380	583	8	408	73	7
500 to 749 lb	1 811	402	103	252	693	192	4	138	38	3
750 to 999 lb	1 235	318	97	305	425	140	3	130	31	3
1,000 to 9,999 lb	11 916	3 905	1 493	363	3 354	1 346	34	908	382	35
10,000 to 49,999 lb	29 283	22 651	10 783	467	6 252	4 846	133	1 892	1 908	184
50,000 to 99,999 lb	583	1 260	288	229	267	555	13	66	161	15
100,000 lb or more	5 687	6 554	4 145	873	1 251	2 013	20	68	120	14
SCTG 24, Plastics and rubber	108 620	59 035	38 201	290	23 307	13 191	311	7 615	3 839	359
Less than 50 lb	5 285	250	71	296	2 038	134	2	443	23	2
50 to 99 lb	2 239	239	57	238	989	140	3	202	26	2
100 to 499 lb	8 432	1 348	296	215	3 832	760	15	1 023	189	17
500 to 749 lb	2 915	576	163	282	1 114	283	6	274	68	6
750 to 999 lb	1 947	395	129	326	594	154	4	350	72	7
1,000 to 9,999 lb	23 384	7 876	3 123	371	5 367	2 099	47	2 146	747	69
10,000 to 49,999 lb	46 940	26 558	15 081	555	6 144	5 559	120	2 363	1 667	157
50,000 to 99,999 lb	804	737	305	417	215	198	3	159	218	16
100,000 lb or more	16 673	21 055	18 978	901	3 015	3 864	110	654	829	82
SCTG 25, Logs and other wood in the rough	5 948	231 110	16 033	68	3 320	143 855	4 285	1 336	64 548	5 274
Less than 50 lb	S	S	S	1 134	S	S	S	—	—	—
50 to 99 lb	—	—	—	114	S	S	S	S	S	S
100 to 499 lb	13	4	S	S	7	4	S	S	S	S
500 to 749 lb	4	S	S	75	1	S	—	S	S	S
750 to 999 lb	S	2	S	406	S	S	S	S	S	S
1,000 to 9,999 lb	145	391	50	S	65	322	13	17	20	2
10,000 to 49,999 lb	2 191	59 913	3 842	63	1 101	38 428	1 208	421	16 286	1 323
50,000 to 99,999 lb	2 956	136 510	7 376	55	1 831	84 605	2 560	826	44 790	3 591
100,000 lb or more	632	34 281	4 763	S	313	S	S	S	S	S
SCTG 26, Wood products	51 182	174 948	42 523	242	13 952	61 365	1 913	6 874	35 693	3 281
Less than 50 lb	647	54	21	443	175	19	—	72	7	1
50 to 99 lb	391	62	12	191	157	31	1	54	10	1
100 to 499 lb	1 837	419	56	126	915	239	5	255	61	6
500 to 749 lb	856	254	35	133	400	143	3	174	49	4
750 to 999 lb	648	247	34	137	302	143	3	85	35	3
1,000 to 9,999 lb	7 778	6 241	776	131	3 782	3 804	83	1 097	961	88
10,000 to 49,999 lb	27 694	82 545	18 826	214	5 685	27 212	781	3 823	13 038	1 245
50,000 to 99,999 lb	4 983	47 692	5 954	123	1 525	20 382	733	1 160	17 604	1 586
100,000 lb or more	6 347	37 435	16 809	563	1 010	9 391	304	153	3 930	346
SCTG 27, Pulp, newsprint, paper, and paperboard	43 104	69 092	43 764	178	8 468	8 957	191	2 895	4 720	495
Less than 50 lb	345	50	5	109	238	38	1	33	4	—
50 to 99 lb	277	71	9	117	173	48	1	33	12	1
100 to 499 lb	1 410	526	61	116	860	360	7	227	74	7
500 to 749 lb	494	246	27	108	292	168	3	72	30	3
750 to 999 lb	382	191	23	117	245	133	3	48	25	2
1,000 to 9,999 lb	4 247	2 976	528	145	2 156	1 761	35	487	407	36
10,000 to 49,999 lb	22 743	32 683	18 836	544	3 472	4 197	83	1 120	2 083	206
50,000 to 99,999 lb	1 322	3 582	1 402	342	376	687	11	412	952	93
100,000 lb or more	11 885	28 768	22 872	814	695	1 566	47	462	1 132	145
SCTG 28, Paper or paperboard articles	31 959	24 638	8 220	222	9 731	7 597	179	3 080	3 195	294
Less than 50 lb	1 256	113	25	288	658	68	1	80	10	1
50 to 99 lb	621	132	21	156	361	83	2	78	18	2
100 to 499 lb	2 012	617	73	122	1 185	414	9	257	80	7
500 to 749 lb	726	299	39	131	393	185	4	78	31	3
750 to 999 lb	516	210	25	122	305	138	4	52	26	2
1,000 to 9,999 lb	6 802	4 977	804	145	3 054	2 621	56	951	830	75
10,000 to 49,999 lb	19 340	16 746	6 292	329	3 698	3 792	98	1 536	2 087	195
50,000 to 99,999 lb	206	393	116	274	S	160	3	S	57	S
100,000 lb or more	479	1 152	824	798	S	S	S	S	55	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	61 379	25 874	5 572	416	27 467	17 012	247	2 818	1 163	104
Less than 50 lb	11 085	620	298	449	3 157	261	4	446	37	3
50 to 99 lb	2 893	279	81	293	1 023	164	2	122	13	1
100 to 499 lb	9 691	1 509	347	234	4 735	1 032	17	424	69	6
500 to 749 lb	2 544	663	112	168	1 179	489	7	175	36	3
750 to 999 lb	1 879	549	73	137	944	423	6	97	23	2
1,000 to 9,999 lb	19 016	8 997	1 272	141	9 952	6 586	103	973	535	48
10,000 to 49,999 lb	13 197	10 463	3 189	249	5 548	5 572	98	553	396	35
50,000 to 99,999 lb	301	281	S	420	201	143	2	S	31	S
100,000 lb or more	S	S	S	S	S	S	8	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	200 973	32 351	15 828	817	38 531	7 030	167	23 666	2 890	278
Less than 50 lb	13 801	428	345	858	1 230	46	1	541	17	2
50 to 99 lb	4 088	220	167	752	510	28	1	190	12	1
100 to 499 lb	11 847	1 039	709	684	1 743	183	4	559	65	6
500 to 749 lb	4 953	569	351	615	724	105	3	268	46	5
750 to 999 lb	4 222	472	302	640	648	93	2	234	28	3
1,000 to 9,999 lb	75 038	7 385	3 901	564	14 539	1 549	37	S	680	64
10,000 to 49,999 lb	80 198	19 699	8 778	440	15 880	4 432	109	7 255	1 905	183
50,000 to 99,999 lb	5 922	1 632	477	274	S	482	7	103	96	9
100,000 lb or more	905	907	799	777	312	112	S	S	S	S
SCTG 31, Nonmetallic mineral products	38 260	337 896	35 463	219	14 941	239 434	4 209	3 383	30 217	2 771
Less than 50 lb	1 199	91	24	444	500	55	1	63	6	1
50 to 99 lb	487	82	17	203	216	46	1	57	11	1
100 to 499 lb	1 662	440	78	177	787	277	5	124	39	3
500 to 749 lb	435	193	37	191	174	117	2	30	16	1
750 to 999 lb	409	211	32	152	169	148	2	15	10	1
1,000 to 9,999 lb	5 677	9 999	923	101	1 987	7 760	125	364	673	60
10,000 to 49,999 lb	22 433	221 720	21 739	89	8 432	163 929	2 604	1 886	17 392	1 549
50,000 to 99,999 lb	4 316	66 651	6 093	92	1 988	40 794	1 045	739	10 461	972
100,000 lb or more	1 643	38 510	6 520	194	687	26 308	424	105	1 609	182
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	72 761	87 986	35 162	210	17 565	25 586	614	5 802	8 323	784
Less than 50 lb	1 397	73	16	241	584	43	1	98	6	1
50 to 99 lb	797	98	16	165	396	67	1	54	8	1
100 to 499 lb	3 384	826	125	152	1 607	531	10	335	88	8
500 to 749 lb	1 427	460	81	175	553	264	6	150	59	5
750 to 999 lb	1 042	406	64	157	409	229	5	129	62	6
1,000 to 9,999 lb	12 433	8 968	1 893	193	4 449	4 531	95	1 477	1 254	114
10,000 to 49,999 lb	39 864	50 000	17 136	322	7 000	12 692	375	3 218	5 926	558
50,000 to 99,999 lb	2 794	5 807	1 710	285	760	2 200	47	297	742	72
100,000 lb or more	9 623	21 347	14 120	685	S	S	75	44	179	19
SCTG 33, Articles of base metal	70 445	38 223	15 843	306	21 625	11 199	218	5 452	3 634	344
Less than 50 lb	8 160	294	90	305	3 380	155	3	651	20	2
50 to 99 lb	2 655	200	60	293	1 083	98	2	196	21	2
100 to 499 lb	8 689	1 133	332	286	3 337	563	11	709	105	9
500 to 749 lb	2 722	491	154	312	804	215	4	186	46	4
750 to 999 lb	2 221	432	163	376	636	171	3	174	37	3
1,000 to 9,999 lb	18 967	6 892	2 152	316	6 155	2 587	55	1 524	739	69
10,000 to 49,999 lb	21 600	20 615	8 675	417	4 270	4 956	103	1 738	1 883	173
50,000 to 99,999 lb	1 912	2 347	751	298	545	764	16	148	S	S
100,000 lb or more	3 520	5 817	3 467	673	1 415	1 688	21	126	364	39
SCTG 34, Machinery	125 334	14 352	7 756	275	26 577	3 086	70	9 609	1 012	95
Less than 50 lb	15 931	362	96	256	5 816	181	4	1 665	38	3
50 to 99 lb	5 366	240	66	272	2 069	117	3	534	23	2
100 to 499 lb	15 722	1 106	343	297	5 259	531	10	1 585	108	10
500 to 749 lb	4 664	404	161	392	1 110	156	3	311	34	3
750 to 999 lb	3 206	295	156	525	637	83	2	175	21	2
1,000 to 9,999 lb	31 003	3 537	1 879	510	6 028	911	22	1 729	230	21
10,000 to 49,999 lb	42 102	7 394	4 377	587	4 922	935	21	2 275	496	47
50,000 to 99,999 lb	4 905	666	393	623	648	151	5	S	53	5
100,000 lb or more	2 435	348	284	822	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	265 208	15 287	9 101	505	62 336	3 762	79	9 218	742	70
Less than 50 lb	54 856	539	241	509	13 516	243	4	2 456	32	3
50 to 99 lb	19 106	324	148	448	5 348	141	2	807	16	2
100 to 499 lb	52 248	1 372	668	489	12 941	514	9	1 569	105	10
500 to 749 lb	10 411	454	218	476	3 002	138	2	253	25	2
750 to 999 lb	7 164	363	201	560	1 785	98	2	240	S	3
1,000 to 9,999 lb	67 945	4 005	2 281	557	14 337	1 028	22	2 469	256	27
10,000 to 49,999 lb	50 918	7 261	4 783	640	S	1 126	28	1 412	262	23
50,000 to 99,999 lb	1 753	432	S	920	573	97	S	S	S	S
100,000 lb or more	808	S	140	315	267	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	155 181	22 495	11 082	233	37 524	5 812	135	8 301	1 466	133
Less than 50 lb	10 181	478	113	218	4 580	270	4	735	38	3
50 to 99 lb	3 122	246	52	210	1 228	129	3	322	27	2
100 to 499 lb	10 630	894	271	283	2 970	338	8	1 087	109	10
500 to 749 lb	3 152	256	103	391	767	84	2	225	21	2
750 to 999 lb	1 846	213	76	354	462	60	2	S	S	S
1,000 to 9,999 lb	60 400	7 229	3 410	430	16 831	2 205	36	2 506	400	37
10,000 to 49,999 lb	54 961	11 053	5 684	522	9 472	2 348	74	2 310	692	63
50,000 to 99,999 lb	5 731	1 213	844	694	817	210	3	120	45	4
100,000 lb or more	S	912	529	395	397	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	26 147	1 974	1 297	737	4 603	313	10	402	34	5
Less than 50 lb	5 141	17	12	742	543	4	—	62	1	—
50 to 99 lb	1 828	7	5	768	174	2	—	S	S	—
100 to 499 lb	2 736	30	23	753	534	5	—	47	1	—
500 to 749 lb	1 286	10	9	849	503	1	—	S	S	S
750 to 999 lb	620	10	9	905	S	S	S	S	S	S
1,000 to 9,999 lb	8 636	354	221	604	S	25	1	195	12	1
10,000 to 49,999 lb	4 482	686	380	616	555	S	S	S	6	1
50,000 to 99,999 lb	488	219	139	638	S	S	—	—	—	—
100,000 lb or more	930	641	499	859	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	40 091	1 055	694	789	6 961	194	5	1 525	S	S
Less than 50 lb	20 904	140	106	801	2 346	27	1	744	9	1
50 to 99 lb	2 975	37	21	558	579	10	—	109	2	—
100 to 499 lb	6 801	150	69	449	2 284	62	1	408	12	1
500 to 749 lb	1 295	38	20	530	337	11	—	S	1	—
750 to 999 lb	686	35	22	608	128	5	—	19	S	S
1,000 to 9,999 lb	5 563	285	248	677	1 071	62	2	159	13	1
10,000 to 49,999 lb	1 803	322	196	595	217	17	1	24	S	S
50,000 to 99,999 lb	S	S	S	261	—	—	—	—	—	—
100,000 lb or more	S	S	S	137	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	40 012	8 284	4 249	504	9 604	1 653	40	2 602	627	56
Less than 50 lb	1 443	74	40	498	582	29	—	55	3	—
50 to 99 lb	1 135	100	53	521	396	34	1	58	5	—
100 to 499 lb	6 972	797	416	508	2 321	223	4	342	50	5
500 to 749 lb	2 395	330	170	515	767	77	1	133	26	2
750 to 999 lb	1 421	264	140	532	317	61	1	88	17	2
1,000 to 9,999 lb	17 014	3 696	1 759	472	3 956	878	23	1 506	330	30
10,000 to 49,999 lb	9 210	2 879	1 589	545	1 033	307	8	410	194	17
50,000 to 99,999 lb	254	96	S	719	S	19	—	S	S	S
100,000 lb or more	S	S	S	397	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	115 174	37 598	13 073	660	23 536	12 365	273	8 896	4 009	373
Less than 50 lb	28 404	538	290	704	5 407	167	3	1 378	44	4
50 to 99 lb	4 843	270	120	432	1 342	97	2	335	28	3
100 to 499 lb	12 629	1 144	521	450	3 722	404	8	740	101	10
500 to 749 lb	4 070	453	210	459	937	144	3	265	43	4
750 to 999 lb	2 515	365	169	463	583	105	2	173	36	3
1,000 to 9,999 lb	24 591	5 753	2 168	369	5 917	2 016	47	1 686	573	53
10,000 to 49,999 lb	34 966	22 301	7 326	329	5 132	7 523	146	4 084	2 112	203
50,000 to 99,999 lb	1 680	4 525	977	206	S	1 439	S	212	868	80
100,000 lb or more	1 475	2 248	1 292	694	66	S	S	23	S	S
SCTG 41, Waste and scrap .	7 954	43 439	10 852	171	2 572	15 217	353	673	5 258	531
Less than 50 lb	1	S	S	146	—	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	5	3	—	88	2	2	—	1	S	S
500 to 749 lb	S	S	—	S	S	S	S	S	S	S
750 to 999 lb	S	S	—	38	S	S	S	S	S	S
1,000 to 9,999 lb	S	595	31	S	S	537	13	16	23	2
10,000 to 49,999 lb	4 897	22 621	4 752	196	1 392	9 159	222	510	3 545	340
50,000 to 99,999 lb	464	4 153	587	132	251	2 111	40	56	853	86
100,000 lb or more	2 111	16 058	5 480	321	500	3 401	78	89	836	102
SCTG 43, Mixed freight.....	101 032	43 088	6 087	141	36 702	17 976	551	16 927	7 853	738
Less than 50 lb	2 495	146	20	142	1 378	87	2	302	18	2
50 to 99 lb	1 083	142	20	140	584	81	2	112	17	2
100 to 499 lb	3 584	935	116	130	1 706	469	12	660	179	17
500 to 749 lb	1 796	610	70	113	824	282	8	318	120	10
750 to 999 lb	1 476	525	69	130	488	214	6	376	97	9
1,000 to 9,999 lb	25 360	10 226	1 726	162	8 059	3 814	114	5 213	2 029	192
10,000 to 49,999 lb	64 034	29 790	3 983	131	23 062	12 779	403	9 706	5 252	495
50,000 to 99,999 lb	619	386	53	137	192	108	2	S	106	9
100,000 lb or more	585	328	S	129	S	141	S	S	S	S

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	11 297	S	S	347	2 686	3 538	74	1 040	862	80
Less than 50 lb	785	19	7	387	220	9	—	81	2	—
50 to 99 lb	260	16	5	S	123	11	—	10	1	—
100 to 499 lb	737	95	33	320	212	45	1	58	9	1
500 to 749 lb	303	43	9	215	82	22	—	20	5	S
750 to 999 lb	202	39	9	239	60	22	—	S	S	S
1,000 to 9,999 lb	2 017	641	158	241	630	210	5	258	98	9
10,000 to 49,999 lb	5 713	4 199	1 188	270	964	1 484	38	567	442	42
50,000 to 99,999 lb	535	S	S	297	123	711	22	28	269	24
100,000 lb or more	745	2 912	1 237	637	S	1 024	7	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	401 175	603 269	141 467	380 848	439 301	211 085	250 063	203 828	171 747	154 108	121 213	132 190
Less than 50 lb	28 333	664	137	27 417	562	254	25 115	436	327	20 574	318	329
50 to 99 lb	8 728	482	96	7 293	325	147	6 932	247	185	4 551	141	146
100 to 499 lb	25 556	2 646	523	24 791	1 787	792	17 995	1 193	888	14 206	679	708
500 to 749 lb	8 834	1 491	292	8 589	917	399	6 523	535	397	3 813	306	314
750 to 999 lb	5 930	1 341	263	6 484	764	331	4 126	500	369	3 371	267	275
1,000 to 9,999 lb	90 912	26 262	5 194	88 596	16 441	7 213	52 957	9 292	6 935	29 847	4 515	4 692
10,000 to 49,999 lb	180 530	206 142	41 492	168 048	129 622	56 375	107 951	65 225	48 382	53 440	32 098	33 326
50,000 to 99,999 lb	14 759	78 893	15 361	8 276	30 559	12 378	4 407	7 479	6 030	2 731	3 352	3 680
100,000 lb or more	37 593	285 348	78 109	41 355	258 324	133 197	24 056	118 922	108 234	21 575	79 538	88 720
SCTG 01, Live animals and live fish	329	S	S	401	334	159	327	217	173	215	132	132
Less than 50 lb	2	—	—	3	S	S	1	—	—	S	S	S
50 to 99 lb	2	—	—	S	S	S	S	S	S	—	—	—
100 to 499 lb	5	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	23	17	3	10	6	2	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	236	214	103	216	140	111	185	115	112
50,000 to 99,999 lb	30	25	6	76	60	29	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 02, Cereal grains	987	6 987	1 487	622	5 223	2 591	1 102	7 371	6 817	216	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	1	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	107	657	128	91	S	S	40	126	93	12	S	S
50,000 to 99,999 lb	469	3 817	654	S	S	S	17	150	S	—	—	—
100,000 lb or more	285	2 393	683	409	3 494	1 891	1 044	7 094	6 613	203	S	S
SCTG 03, Other agricultural products	5 303	6 217	1 456	3 156	5 700	2 784	1 590	4 107	3 543	880	1 641	1 798
Less than 50 lb	19	3	1	22	S	S	23	5	S	38	S	12
50 to 99 lb	S	2	—	14	1	1	8	1	1	15	2	2
100 to 499 lb	89	34	7	39	8	4	36	6	4	39	6	6
500 to 749 lb	69	38	7	20	7	3	S	1	1	7	2	2
750 to 999 lb	50	34	7	4	3	1	3	1	1	S	S	S
1,000 to 9,999 lb	937	925	173	397	357	155	164	107	76	80	66	72
10,000 to 49,999 lb	2 872	2 748	550	1 659	2 297	1 008	748	964	720	342	628	665
50,000 to 99,999 lb	336	585	125	69	118	55	8	S	S	S	29	32
100,000 lb or more	S	S	S	931	2 904	1 555	586	2 974	2 704	341	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	3 722	9 728	1 944	2 488	5 286	2 273	1 117	3 167	2 459	701	655	730
Less than 50 lb	1	—	—	4	S	S	S	S	S	S	S	—
50 to 99 lb	S	1	S	2	1	—	S	S	S	S	S	S
100 to 499 lb	S	19	S	9	2	1	S	—	—	S	S	S
500 to 749 lb	36	20	4	S	S	S	S	S	S	S	S	S
750 to 999 lb	25	13	2	13	7	3	S	S	S	S	S	S
1,000 to 9,999 lb	532	583	111	282	135	57	83	S	S	28	9	10
10,000 to 49,999 lb	2 401	5 425	1 078	1 789	3 517	1 479	580	1 278	919	440	335	360
50,000 to 99,999 lb	468	2 645	507	180	818	368	94	441	326	S	S	S
100,000 lb or more	215	1 021	238	204	803	363	S	S	S	78	197	239
SCTG 05, Meat, fish, seafood, and their preparations	12 314	6 763	1 385	11 427	6 215	2 676	7 026	3 390	2 517	3 984	1 408	1 466
Less than 50 lb	49	7	1	S	S	S	S	S	S	S	S	S
50 to 99 lb	83	15	3	S	S	S	S	S	S	S	S	S
100 to 499 lb	424	129	22	121	20	8	23	4	3	24	3	3
500 to 749 lb	283	111	20	76	17	7	21	5	4	14	3	3
750 to 999 lb	246	122	23	58	17	7	15	4	3	16	S	S
1,000 to 9,999 lb	3 671	1 772	343	2 004	852	352	1 132	332	247	962	191	196
10,000 to 49,999 lb	6 919	4 143	877	8 378	4 864	2 107	5 669	2 905	2 150	2 913	1 162	1 216
50,000 to 99,999 lb	S	295	65	146	104	40	98	75	57	S	S	S
100,000 lb or more	S	169	31	S	333	151	43	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	7 228	4 870	980	4 763	4 114	1 796	2 854	2 227	1 678	1 425	1 396	1 528
Less than 50 lb	S	S	S	13	2	1	3	1	—	2	—	—
50 to 99 lb	41	17	3	6	1	1	S	—	—	S	S	S
100 to 499 lb	253	89	16	S	15	6	13	4	3	9	2	2
500 to 749 lb	S	78	15	S	S	6	S	S	S	S	1	1
750 to 999 lb	S	108	21	41	16	7	8	3	2	S	S	S
1,000 to 9,999 lb	1 811	892	173	1 238	605	264	502	241	176	130	57	57
10,000 to 49,999 lb	4 291	2 944	589	3 176	2 897	1 247	2 218	1 678	1 247	1 011	772	787
50,000 to 99,999 lb	121	474	S	70	S	S	14	S	S	S	17	19
100,000 lb or more	101	253	62	106	364	188	84	248	212	252	544	660

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	21 140	25 038	4 909	12 966	14 652	6 648	7 193	7 717	6 104	4 162	3 262	3 422
Less than 50 lb	99	15	3	51	7	3	32	3	3	42	4	5
50 to 99 lb	70	25	4	41	6	3	S	S	S	S	S	S
100 to 499 lb	496	222	40	212	54	21	63	16	12	S	4	4
500 to 749 lb	333	140	27	107	32	14	45	13	10	18	4	4
750 to 999 lb	321	141	26	126	41	16	17	4	3	11	3	3
1,000 to 9,999 lb	3 726	2 170	425	1 909	904	369	742	340	248	369	157	161
10,000 to 49,999 lb	14 772	18 454	3 594	8 940	9 168	3 870	5 211	4 336	3 273	3 256	2 191	2 261
50,000 to 99,999 lb	681	2 136	382	161	437	187	22	42	32	43	45	48
100,000 lb or more	644	1 735	408	1 418	4 002	2 165	1 034	2 957	2 519	385	851	932
SCTG 08, Alcoholic beverages	3 340	3 675	760	2 744	3 147	1 331	809	708	546	451	451	474
Less than 50 lb	16	3	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	33	5	1	S	—	—	S	S	S	S	S	S
100 to 499 lb	138	40	6	2	1	—	—	S	S	S	S	S
500 to 749 lb	80	28	5	S	S	S	S	S	S	S	S	S
750 to 999 lb	43	16	3	1	S	S	S	—	—	S	S	S
1,000 to 9,999 lb	479	165	27	27	8	4	17	7	6	12	S	S
10,000 to 49,999 lb	1 991	2 554	541	2 434	2 713	1 164	705	556	411	379	331	348
50,000 to 99,999 lb	427	665	124	134	219	82	S	S	S	S	S	S
100,000 lb or more	133	197	53	S	S	S	S	S	S	S	S	S
SCTG 09, Tobacco products	2 425	208	42	8 993	331	159	5 292	176	130	1 964	62	65
Less than 50 lb	63	2	—	25	1	—	28	1	1	51	2	2
50 to 99 lb	87	2	—	20	1	—	13	—	—	4	—	—
100 to 499 lb	369	19	4	300	16	6	129	6	4	46	2	2
500 to 749 lb	105	6	1	130	6	3	39	2	2	S	S	S
750 to 999 lb	53	4	1	71	4	2	S	S	S	S	S	S
1,000 to 9,999 lb	508	34	7	595	25	11	502	26	18	87	4	5
10,000 to 49,999 lb	1 105	117	24	7 852	279	136	4 514	136	101	1 744	51	54
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	208	668	141	105	262	116	54	106	75	17	32	32
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	1	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	1	1	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	1	1	—	S	S	S	S	S	S
1,000 to 9,999 lb	29	27	6	20	14	7	12	9	7	5	4	4
10,000 to 49,999 lb	S	515	112	60	189	81	36	74	53	S	16	16
50,000 to 99,999 lb	4	S	—	—	5	2	—	—	—	S	S	S
100,000 lb or more	2	S	S	S	S	S	S	S	S	S	S	S
SCTG 11, Natural sands	168	13 241	3 556	165	3 305	1 431	67	463	395	45	236	290
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	2	12	2	S	8	4	1	5	S	S	S	S
10,000 to 49,999 lb	75	2 157	381	83	447	180	34	78	54	28	73	76
50,000 to 99,999 lb	26	1 614	292	10	554	219	S	70	51	—	—	—
100,000 lb or more	59	9 456	2 880	49	2 295	1 027	S	310	285	S	162	212
SCTG 12, Gravel and crushed stone	320	44 527	9 878	74	10 444	4 752	S	2 759	2 543	18	2 858	3 269
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	102	18	—	15	6	S	S	S	S	S	S
10,000 to 49,999 lb	137	17 470	3 539	30	3 694	1 630	S	291	207	12	1 882	2 148
50,000 to 99,999 lb	55	6 118	1 131	10	844	347	S	S	S	4	753	848
100,000 lb or more	121	20 838	5 189	34	5 891	2 769	21	2 408	S	1	S	S
SCTG 13, Nonmetallic minerals n.e.c.	1 518	9 035	2 214	857	5 434	2 743	599	8 878	S	326	5 644	7 128
Less than 50 lb	2	S	S	S	—	—	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	S	S	S	S	S
100 to 499 lb	15	5	1	S	3	1	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	3	2	—	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	111	178	35	26	39	16	9	19	14	S	5	6
10,000 to 49,999 lb	S	2 972	636	608	2 179	978	261	1 460	1 099	117	550	566
50,000 to 99,999 lb	130	1 775	361	20	354	152	12	148	121	S	22	22
100,000 lb or more	234	4 096	1 180	180	2 857	1 595	290	S	S	183	5 065	6 533

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	443	2 251	608	411	590	324	175	321	255	261	794	1 017
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	4	—	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	—	S	—	—	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	20	7	3	28	8	6	7	3	3
10,000 to 49,999 lb	227	S	S	295	304	148	80	132	98	78	112	114
50,000 to 99,999 lb	6	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	180	848	316	54	267	166	22	179	150	112	677	897
SCTG 15, Coal	3 103	115 429	38 208	3 771	134 118	70 805	605	23 610	25 951	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	—	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	5	1	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	17	464	98	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	160	6 211	1 717	53	2 213	1 391	S	S	S	—	—	—
100,000 lb or more	2 917	108 749	36 392	3 695	131 761	69 340	557	21 969	24 357	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	10 731	51 983	9 397	6 343	31 916	11 092	2 657	26 565	20 820	1 598	28 176	26 330
Less than 50 lb	—	—	—	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	359	483	94	8	24	9	S	S	S	S	S	S
10,000 to 49,999 lb	1 336	6 119	1 121	200	622	259	S	S	S	63	S	S
50,000 to 99,999 lb	2 460	11 017	2 003	476	2 236	979	S	S	S	S	S	S
100,000 lb or more	6 572	34 362	6 179	5 659	29 033	9 844	2 405	25 570	20 136	1 497	27 795	25 881
SCTG 18, Fuel oils	5 517	29 858	5 781	1 201	7 764	S	933	5 607	4 351	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	262	462	91	S	24	9	S	S	S	S	S	S
10,000 to 49,999 lb	406	2 205	423	70	375	167	S	S	S	S	S	S
50,000 to 99,999 lb	857	4 806	926	135	743	323	S	S	S	S	S	S
100,000 lb or more	3 992	22 379	4 340	981	6 620	S	897	5 395	4 203	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	5 159	20 525	4 087	4 141	14 048	7 273	3 153	8 511	7 386	1 546	2 793	3 240
Less than 50 lb	20	3	1	4	1	—	3	S	S	4	—	S
50 to 99 lb	18	3	1	S	—	—	S	S	S	S	S	S
100 to 499 lb	75	28	5	32	7	3	19	S	S	10	2	2
500 to 749 lb	12	6	1	19	S	S	S	1	1	S	S	S
750 to 999 lb	22	16	3	S	5	2	S	S	S	S	S	S
1,000 to 9,999 lb	319	390	76	155	107	44	62	51	40	S	38	38
10,000 to 49,999 lb	1 840	7 337	1 361	1 369	2 820	1 203	1 256	S	S	708	988	1 027
50,000 to 99,999 lb	423	2 749	523	84	436	209	S	77	61	S	32	34
100,000 lb or more	2 430	9 994	2 117	2 465	10 663	5 809	1 766	5 878	5 348	698	1 731	2 137
SCTG 20, Basic chemicals	14 514	31 173	7 478	19 758	29 949	13 426	9 156	12 161	10 359	11 633	17 269	21 800
Less than 50 lb	103	4	1	116	3	1	154	3	2	104	2	2
50 to 99 lb	28	4	1	58	4	2	28	1	1	S	S	3
100 to 499 lb	140	30	6	151	17	7	121	8	6	71	5	5
500 to 749 lb	50	16	3	77	14	6	61	3	3	S	3	3
750 to 999 lb	31	16	3	S	S	S	17	3	2	22	3	3
1,000 to 9,999 lb	816	488	94	1 381	314	128	594	128	95	457	127	135
10,000 to 49,999 lb	6 059	11 547	2 342	7 372	7 299	2 981	3 851	2 714	1 990	3 246	2 152	2 235
50,000 to 99,999 lb	418	849	167	205	402	184	128	211	173	300	428	442
100,000 lb or more	6 868	18 220	4 862	10 321	21 879	10 109	4 202	9 090	8 088	7 334	14 547	18 972
SCTG 21, Pharmaceutical products	18 608	756	148	11 736	894	425	6 091	789	598	3 755	263	273
Less than 50 lb	5 406	57	12	2 806	26	11	2 385	18	13	2 460	16	17
50 to 99 lb	1 739	27	5	509	9	4	133	S	S	189	3	3
100 to 499 lb	2 928	87	18	2 313	29	12	348	13	10	S	11	12
500 to 749 lb	797	24	5	S	10	4	57	5	3	S	3	4
750 to 999 lb	243	21	4	S	15	6	51	3	2	S	S	S
1,000 to 9,999 lb	4 415	139	25	2 370	51	24	1 194	61	43	352	21	22
10,000 to 49,999 lb	3 075	401	79	2 879	745	361	1 922	681	519	261	201	209
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	1 391	7 565	1 755	1 292	8 873	4 296	1 029	6 077	5 452	875	5 008	6 126
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	7	4	1	2	1	1	S	S	S	S	S	S
500 to 749 lb	8	5	1	1	1	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	1	—	S	S	S	—	—	—
1,000 to 9,999 lb	150	229	43	50	43	20	S	S	S	S	S	S
10,000 to 49,999 lb	623	3 106	606	344	1 516	647	175	759	545	63	237	242
50,000 to 99,999 lb	226	1 585	322	70	457	178	23	117	92	S	S	S
100,000 lb or more	367	2 629	780	822	6 853	3 450	819	5 191	4 807	801	4 731	5 843
SCTG 23, Chemical products and preparations, n.e.c.	10 533	8 005	1 692	11 360	6 077	2 747	7 738	3 668	2 811	3 879	2 145	2 251
Less than 50 lb	669	32	7	646	33	14	297	18	13	149	6	6
50 to 99 lb	234	22	4	224	21	9	109	9	7	49	3	3
100 to 499 lb	707	112	22	744	105	48	435	58	42	154	22	22
500 to 749 lb	325	70	14	265	47	20	230	25	18	65	14	15
750 to 999 lb	186	48	9	168	37	15	209	29	21	55	16	16
1,000 to 9,999 lb	1 789	682	140	2 242	608	268	1 414	347	256	851	261	273
10,000 to 49,999 lb	5 815	5 572	1 138	5 615	4 306	1 875	4 606	2 691	2 022	1 783	1 038	1 056
50,000 to 99,999 lb	85	295	52	38	95	46	72	S	S	S	S	S
100,000 lb or more	723	S	S	1 419	826	452	364	384	346	759	762	836
SCTG 24, Plastics and rubber.....	15 354	7 835	1 698	20 638	9 245	4 365	15 329	7 818	6 167	11 127	7 259	7 983
Less than 50 lb	753	30	6	558	19	8	503	15	12	452	14	14
50 to 99 lb	229	27	5	200	14	6	196	13	10	158	7	8
100 to 499 lb	1 164	149	29	755	84	37	661	66	50	344	39	40
500 to 749 lb	435	82	16	391	53	24	232	30	23	180	24	25
750 to 999 lb	224	50	10	285	48	21	189	27	20	131	19	19
1,000 to 9,999 lb	4 644	1 717	349	4 655	1 476	654	2 805	840	623	1 566	456	466
10,000 to 49,999 lb	6 622	4 212	895	12 037	5 440	2 491	8 193	3 728	2 776	5 053	2 529	2 614
50,000 to 99,999 lb	85	83	18	86	47	22	101	73	52	47	48	50
100,000 lb or more	1 198	1 485	368	1 673	2 065	1 101	2 449	3 026	2 602	3 197	4 121	4 747
SCTG 25, Logs and other wood in the rough	718	19 304	3 525	285	1 286	528	132	S	S	72	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	—	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	11	18	3	S	7	3	S	3	2	S	18	21
10,000 to 49,999 lb	325	4 234	714	177	622	251	S	214	160	20	67	69
50,000 to 99,999 lb	251	6 845	1 068	34	214	92	6	37	30	S	S	S
100,000 lb or more	S	S	S	43	S	S	28	S	S	S	S	S
SCTG 26, Wood products ..	13 255	41 315	9 571	7 907	19 085	8 229	4 393	8 612	6 722	2 317	4 656	5 102
Less than 50 lb	107	9	2	88	6	3	75	5	4	50	3	3
50 to 99 lb	79	10	2	37	5	2	36	3	2	S	1	1
100 to 499 lb	367	76	14	146	25	11	68	9	7	42	4	5
500 to 749 lb	134	35	6	59	12	5	41	7	5	11	2	2
750 to 999 lb	130	43	8	69	14	6	30	5	4	7	2	2
1,000 to 9,999 lb	1 438	943	178	604	236	101	395	153	113	153	50	50
10,000 to 49,999 lb	8 158	22 119	4 639	5 598	13 361	5 584	2 445	4 311	3 104	984	1 395	1 405
50,000 to 99,999 lb	1 312	5 789	1 131	522	2 642	1 022	217	617	463	120	250	276
100,000 lb or more	S	12 291	3 591	783	2 783	1 496	1 086	3 502	3 021	935	2 950	3 358
SCTG 27, Pulp, newsprint, paper, and paperboard ...	6 575	11 743	2 845	8 370	14 754	7 548	7 703	13 264	10 900	4 860	9 189	10 077
Less than 50 lb	39	4	1	14	1	1	9	1	1	S	S	S
50 to 99 lb	37	6	1	14	2	1	7	1	1	2	—	—
100 to 499 lb	127	46	9	62	20	8	62	9	7	29	5	5
500 to 749 lb	74	31	6	29	6	2	9	3	3	11	4	5
750 to 999 lb	35	14	3	24	11	5	11	4	3	S	1	1
1,000 to 9,999 lb	473	329	66	315	169	74	487	173	128	129	66	68
10,000 to 49,999 lb	3 865	5 927	1 310	4 929	7 230	3 304	4 304	6 492	4 947	2 680	3 857	3 959
50,000 to 99,999 lb	110	S	S	195	499	270	144	379	320	75	198	239
100,000 lb or more	1 814	4 665	1 255	2 788	6 817	3 884	2 670	6 204	5 492	1 923	5 057	5 800
SCTG 28, Paper or paperboard articles	6 382	5 391	1 090	5 560	3 897	1 713	3 395	2 194	1 651	1 956	1 321	1 349
Less than 50 lb	172	13	2	106	7	3	88	5	4	52	3	3
50 to 99 lb	57	11	2	50	7	3	33	5	3	21	3	4
100 to 499 lb	237	67	12	135	25	11	96	13	10	46	8	8
500 to 749 lb	104	44	9	S	S	10	25	5	4	6	2	2
750 to 999 lb	76	25	5	45	11	5	18	4	3	8	2	2
1,000 to 9,999 lb	1 317	823	155	681	371	157	415	169	123	164	76	80
10,000 to 49,999 lb	4 339	4 266	876	4 281	3 009	1 303	2 530	1 724	1 278	1 581	1 080	1 096
50,000 to 99,999 lb	S	48	10	32	73	32	S	S	S	S	S	S
100,000 lb or more	S	93	19	126	367	188	178	262	221	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	6 578	1 929	411	8 021	2 439	1 097	6 532	1 731	1 275	3 526	635	638
Less than 50 lb	1 078	56	12	1 592	73	35	1 461	62	46	1 171	49	51
50 to 99 lb	305	25	5	513	27	13	378	22	16	234	11	11
100 to 499 lb	695	75	16	1 354	136	62	885	83	60	443	34	35
500 to 749 lb	232	41	8	295	35	16	356	30	21	84	8	9
750 to 999 lb	152	33	7	206	29	13	210	18	13	165	9	9
1,000 to 9,999 lb	2 746	678	142	1 815	500	215	1 424	357	269	928	158	160
10,000 to 49,999 lb	1 336	914	204	2 227	1 578	712	1 807	1 154	845	475	350	346
50,000 to 99,999 lb	S	S	S	S	S	S	S	5	4	S	S	S
100,000 lb or more	26	96	15	S	S	S	—	—	—	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	38 176	7 058	1 464	37 078	6 640	3 015	26 335	3 864	2 878	11 704	1 620	1 674
Less than 50 lb	1 718	54	12	2 729	85	40	2 418	81	60	1 703	52	53
50 to 99 lb	496	27	6	793	40	19	818	46	34	410	22	24
100 to 499 lb	1 390	134	28	2 245	186	87	2 130	191	143	1 381	114	118
500 to 749 lb	802	77	17	1 168	115	53	694	101	75	493	47	49
750 to 999 lb	573	61	13	885	82	39	848	99	72	343	42	43
1,000 to 9,999 lb	14 066	1 221	247	12 355	1 515	696	8 816	1 183	876	3 693	440	448
10,000 to 49,999 lb	17 536	4 797	989	15 553	3 948	1 754	10 392	2 052	1 528	3 650	829	865
50,000 to 99,999 lb	S	S	S	S	436	203	165	84	68	S	S	S
100,000 lb or more	135	205	41	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	7 381	40 374	8 288	5 253	15 689	6 886	3 160	5 820	4 346	1 733	2 659	2 811
Less than 50 lb	115	9	2	166	6	3	113	4	3	54	3	3
50 to 99 lb	61	11	2	50	5	2	29	3	2	37	3	3
100 to 499 lb	248	58	11	146	22	9	112	17	13	106	14	15
500 to 749 lb	79	28	6	51	9	4	48	12	9	30	7	7
750 to 999 lb	98	25	5	28	8	3	29	7	5	S	S	8
1,000 to 9,999 lb	1 519	804	155	710	358	156	564	215	159	161	83	86
10,000 to 49,999 lb	3 849	20 997	4 147	3 702	11 158	4 803	1 884	3 828	2 824	1 199	2 024	2 086
50,000 to 99,999 lb	1 011	12 546	2 395	243	1 882	754	S	602	431	57	185	205
100,000 lb or more	402	5 895	1 565	158	2 241	1 152	130	1 132	900	38	332	398
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	13 899	18 238	4 007	15 989	17 528	8 547	8 803	9 324	7 137	4 888	4 460	5 108
Less than 50 lb	196	8	2	163	5	2	S	4	3	82	3	3
50 to 99 lb	97	10	2	97	7	3	62	4	3	42	2	2
100 to 499 lb	517	101	20	329	48	20	213	22	16	196	17	18
500 to 749 lb	231	70	14	152	33	14	57	10	7	114	8	9
750 to 999 lb	173	63	13	178	27	12	60	14	10	28	5	5
1,000 to 9,999 lb	2 261	1 468	283	1 828	792	342	1 034	391	287	633	226	236
10,000 to 49,999 lb	8 722	11 314	2 362	10 327	10 953	4 869	5 588	5 404	3 980	2 712	2 141	2 206
50,000 to 99,999 lb	704	1 082	226	605	819	365	195	674	514	34	107	119
100,000 lb or more	998	4 123	1 085	2 309	4 845	2 919	1 426	2 802	2 318	1 047	1 951	2 510
SCTG 33, Articles of base metal	11 275	6 575	1 355	12 914	7 150	3 144	8 177	5 259	3 986	4 492	1 899	2 138
Less than 50 lb	926	35	7	1 047	28	13	846	23	17	506	13	14
50 to 99 lb	353	6	1	314	17	8	292	12	9	154	10	11
100 to 499 lb	1 168	159	32	1 165	122	54	830	70	52	585	48	50
500 to 749 lb	354	70	14	513	71	32	260	36	26	351	29	29
750 to 999 lb	350	66	13	382	69	30	236	32	24	125	18	19
1,000 to 9,999 lb	3 429	1 351	275	3 299	1 069	476	1 891	546	407	977	242	247
10,000 to 49,999 lb	4 062	3 845	791	5 007	4 637	2 023	3 003	2 904	2 113	1 538	1 002	1 049
50,000 to 99,999 lb	272	353	73	S	412	189	127	228	184	27	38	40
100,000 lb or more	361	665	143	473	726	320	692	1 408	1 153	230	499	680
SCTG 34, Machinery	18 826	2 271	467	27 039	3 106	1 468	16 581	2 132	1 595	10 739	1 168	1 200
Less than 50 lb	2 373	56	12	2 006	35	16	1 277	20	15	1 322	14	15
50 to 99 lb	823	39	8	665	25	11	492	14	11	325	11	11
100 to 499 lb	2 166	141	29	2 490	122	56	1 602	87	66	1 191	50	52
500 to 749 lb	686	47	10	844	61	28	927	48	37	310	24	24
750 to 999 lb	558	43	8	583	41	19	434	41	31	387	31	32
1,000 to 9,999 lb	3 589	500	106	6 584	658	303	4 862	520	387	3 315	325	336
10,000 to 49,999 lb	7 271	1 282	258	12 813	1 974	947	6 526	1 263	949	3 700	652	670
50,000 to 99,999 lb	342	99	20	498	118	53	320	105	74	166	33	33
100,000 lb or more	S	63	15	S	71	36	141	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	35 793	2 111	465	36 189	2 637	1 201	30 385	2 406	1 784	26 864	1 336	1 398
Less than 50 lb	5 975	69	15	6 254	51	24	6 366	43	33	4 545	33	35
50 to 99 lb	2 005	42	9	1 625	33	16	2 069	31	24	1 347	17	18
100 to 499 lb	5 536	180	38	5 092	156	70	4 788	117	88	5 842	91	97
500 to 749 lb	1 200	S	S	1 259	68	29	1 709	47	35	1 066	39	41
750 to 999 lb	476	44	10	1 273	60	26	542	43	31	1 331	28	30
1,000 to 9,999 lb	9 543	615	143	S	602	276	7 804	606	451	6 088	272	284
10,000 to 49,999 lb	10 900	1 037	220	6 765	1 613	730	6 959	1 464	1 081	6 061	675	691
50,000 to 99,999 lb	42	9	2	97	20	10	64	17	12	S	S	S
100,000 lb or more	S	31	8	S	33	20	83	38	30	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	21 454	3 305	726	36 465	5 518	2 630	26 772	3 372	2 610	10 091	1 233	1 321
Less than 50 lb	1 494	55	12	1 446	52	23	873	31	23	440	14	15
50 to 99 lb	605	7	7	532	30	13	260	15	11	69	3	4
100 to 499 lb	2 143	152	31	2 270	146	64	1 199	77	57	458	36	38
500 to 749 lb	408	38	7	907	50	22	489	31	23	148	14	14
750 to 999 lb	322	43	9	413	36	15	277	27	20	106	8	8
1,000 to 9,999 lb	7 414	937	196	15 404	1 744	807	8 495	962	771	4 159	412	448
10,000 to 49,999 lb	7 186	1 669	374	13 820	2 981	1 416	13 500	1 962	1 478	3 344	507	527
50,000 to 99,999 lb	S	120	26	910	298	161	S	S	S	843	183	203
100,000 lb or more	S	S	S	S	181	108	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	4 208	401	84	3 694	503	276	3 985	409	323	2 373	151	168
Less than 50 lb	1 304	S	1	491	2	1	812	2	2	573	2	2
50 to 99 lb	43	1	—	158	1	—	S	1	1	295	1	1
100 to 499 lb	244	3	1	358	5	2	574	8	6	237	3	3
500 to 749 lb	S	1	—	120	3	1	63	2	1	139	2	2
750 to 999 lb	S	1	—	40	1	1	75	2	1	80	2	2
1,000 to 9,999 lb	1 723	102	20	1 290	85	38	898	55	42	561	30	31
10,000 to 49,999 lb	596	181	35	641	110	49	583	148	108	380	55	56
50,000 to 99,999 lb	S	S	S	358	191	130	S	7	5	—	—	—
100,000 lb or more	S	S	S	237	106	53	203	185	156	108	57	72
SCTG 38, Precision instruments and apparatus	4 387	126	24	5 261	179	73	5 557	210	158	5 550	83	85
Less than 50 lb	2 087	15	3	2 349	14	6	2 999	17	13	3 235	22	22
50 to 99 lb	293	6	1	472	4	2	372	5	4	S	S	S
100 to 499 lb	633	16	3	881	17	8	725	17	13	655	10	11
500 to 749 lb	196	5	1	180	8	3	267	5	4	92	3	3
750 to 999 lb	143	4	1	108	6	3	97	6	5	51	S	S
1,000 to 9,999 lb	795	35	7	713	42	19	517	35	27	S	23	24
10,000 to 49,999 lb	207	S	S	529	44	20	580	S	S	63	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	6 402	1 358	277	8 584	1 867	859	6 074	1 440	1 054	3 113	653	673
Less than 50 lb	94	5	1	226	12	5	155	8	6	103	6	6
50 to 99 lb	96	10	2	148	15	7	147	15	11	84	9	9
100 to 499 lb	659	100	22	1 164	153	70	921	124	92	746	63	66
500 to 749 lb	303	50	11	466	74	33	287	47	34	184	23	24
750 to 999 lb	179	35	7	258	50	23	284	51	37	143	26	26
1,000 to 9,999 lb	2 012	494	104	4 587	843	372	2 601	629	464	1 095	269	279
10,000 to 49,999 lb	S	660	130	1 657	671	324	1 618	544	394	749	253	259
50,000 to 99,999 lb	S	S	S	S	S	S	S	16	13	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products	21 492	8 330	1 702	19 966	5 993	2 657	13 462	2 836	2 079	8 852	1 730	1 820
Less than 50 lb	2 822	75	16	4 168	73	33	3 847	59	45	3 290	41	42
50 to 99 lb	581	41	8	558	32	14	569	24	18	373	17	18
100 to 499 lb	1 676	168	35	1 726	151	69	1 669	126	92	1 031	71	74
500 to 749 lb	495	65	14	790	74	32	504	50	38	368	33	34
750 to 999 lb	354	57	12	432	65	28	352	40	30	158	20	21
1,000 to 9,999 lb	4 481	1 031	212	4 601	897	388	2 870	508	374	1 598	272	283
10,000 to 49,999 lb	10 354	5 135	1 051	6 553	3 580	1 551	3 425	1 793	1 294	1 900	995	1 029
50,000 to 99,999 lb	445	1 397	272	343	519	227	92	96	78	58	92	95
100,000 lb or more	284	361	83	794	602	314	135	139	108	76	188	223
SCTG 41, Waste and scrap	1 699	10 880	2 406	1 761	8 425	4 069	747	2 532	1 890	221	523	560
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	16	16	3	11	8	4	3	S	S	S	S	S
10,000 to 49,999 lb	934	4 231	844	1 051	3 550	1 451	627	1 525	1 091	183	318	327
50,000 to 99,999 lb	86	878	210	29	192	95	S	S	S	S	S	S
100,000 lb or more	660	5 753	1 349	670	4 674	2 519	114	966	768	22	174	199
SCTG 43, Mixed freight	34 921	13 537	2 611	9 223	2 599	1 049	1 907	626	456	657	206	211
Less than 50 lb	399	24	S	204	S	S	94	S	S	S	2	2
50 to 99 lb	161	24	4	84	10	4	S	S	S	16	2	2
100 to 499 lb	738	185	36	333	81	31	69	9	6	58	9	10
500 to 749 lb	472	156	29	142	47	17	S	4	3	S	S	S
750 to 999 lb	493	169	32	93	37	15	16	5	3	7	S	2
1,000 to 9,999 lb	8 805	3 118	605	2 344	827	335	458	156	120	192	S	S
10,000 to 49,999 lb	23 527	9 560	1 848	5 994	1 571	632	1 114	435	311	287	89	86
50,000 to 99,999 lb	209	150	29	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	3 398	2 325	479	1 877	S	S	946	626	512	473	271	288
Less than 50 lb	174	2	—	76	1	1	69	2	1	33	1	1
50 to 99 lb	41	1	—	18	1	—	23	1	1	S	S	S
100 to 499 lb	151	13	3	115	9	4	30	6	4	28	2	2
500 to 749 lb	S	S	1	25	4	1	14	2	1	S	1	1
750 to 999 lb	11	4	1	80	4	3	11	2	1	S	S	S
1,000 to 9,999 lb	532	180	34	217	80	35	133	33	24	101	S	S
10,000 to 49,999 lb	2 196	1 228	253	893	376	168	567	420	S	217	121	125
50,000 to 99,999 lb	73	388	79	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	162 475	85 265	137 318	61 079	18 731	41 241	43 367	9 275	25 647
Less than 50 lb	30 444	320	453	7 202	107	220	8 270	111	305
50 to 99 lb	6 608	134	192	2 307	57	117	2 186	44	122
100 to 499 lb	18 670	654	932	7 607	273	560	4 549	210	559
500 to 749 lb	3 622	244	345	1 601	109	220	1 360	92	245
750 to 999 lb	3 220	231	331	1 055	104	219	832	67	178
1,000 to 9,999 lb	30 071	4 090	5 869	13 113	1 578	3 329	8 678	1 021	2 704
10,000 to 49,999 lb	46 336	25 115	36 247	23 723	9 054	19 123	13 533	4 526	12 265
50,000 to 99,999 lb	2 903	2 464	3 592	680	545	1 199	S	243	668
100,000 lb or more	20 601	52 013	89 357	3 792	6 903	16 253	2 950	2 961	8 599
SCTG 01, Live animals and live fish	83	60	77	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	49	33	42	S	S	S	—	—	—
50,000 to 99,999 lb	11	8	10	S	S	S	—	—	—
100,000 lb or more	23	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 03, Other agricultural products	1 070	1 428	1 988	563	648	1 327	205	122	340
Less than 50 lb	68	13	18	11	S	S	6	S	S
50 to 99 lb	23	3	4	4	—	1	1	—	—
100 to 499 lb	90	15	20	14	2	5	9	2	6
500 to 749 lb	27	6	9	S	S	S	S	S	S
750 to 999 lb	17	5	6	—	—	—	S	1	4
1,000 to 9,999 lb	220	160	219	24	15	32	43	23	63
10,000 to 49,999 lb	555	1 065	1 496	247	429	853	56	75	208
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	210	168	370	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	372	427	646	125	80	175	S	29	85
Less than 50 lb	S	—	—	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	21	3	4	5	2	5	S	S	S
10,000 to 49,999 lb	196	201	288	S	S	S	S	S	S
50,000 to 99,999 lb	34	S	S	3	23	46	S	S	S
100,000 lb or more	111	116	190	S	S	S	8	S	S
SCTG 05, Meat, fish, seafood, and their preparations	4 043	1 771	2 482	1 216	516	1 028	561	247	652
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	3	3	S	1	2	S	S	S
500 to 749 lb	12	2	2	S	S	S	S	S	S
750 to 999 lb	31	5	7	4	1	2	S	S	S
1,000 to 9,999 lb	627	150	211	286	65	129	140	26	71
10,000 to 49,999 lb	3 205	1 537	2 161	860	407	804	273	165	428
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	905	998	1 443	515	411	873	131	82	224
Less than 50 lb	2	—	—	—	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	109	46	65	35	18	37	11	6	15
10,000 to 49,999 lb	624	608	866	446	298	599	116	75	206
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	140	328	491	28	93	234	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	3 647	3 393	4 672	1 426	860	1 958	622	358	993
Less than 50 lb	S	S	S	11	2	3	17	2	5
50 to 99 lb	3	S	S	S	S	S	S	—	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	14	3	5	S	S	S	S	S	S
750 to 999 lb	8	3	5	1	—	—	S	S	S
1,000 to 9,999 lb	274	107	153	103	36	74	79	45	123
10,000 to 49,999 lb	2 662	1 735	2 487	1 225	722	1 629	514	309	859
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	541	1 423	1 861	39	78	S	—	—	—
SCTG 08, Alcoholic beverages	500	218	328	259	102	232	40	18	55
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	12	2	5	S	S	S
10,000 to 49,999 lb	456	191	289	246	99	226	39	18	55
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	1 660	52	71	1 272	37	79	2 561	85	242
Less than 50 lb	58	1	1	13	—	1	44	1	2
50 to 99 lb	S	S	S	S	S	S	S	—	—
100 to 499 lb	11	1	1	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	1	S	S	S	S	7	S	S
10,000 to 49,999 lb	1 549	48	66	1 185	35	73	2 466	73	209
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 10, Monumental or building stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	22	236	373	2	S	S	4	9	23
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	2	S	S	4	8	22
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	11	156	260	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	334	2 627	3 869	37	244	513	62	418	1 246
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	—	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	20	S	S	S	S	S	S	S
10,000 to 49,999 lb	77	311	421	22	74	160	14	53	134
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	188	2 254	3 356	12	S	350	46	352	1 076

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	217	554	946	S	S	S	11	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	1	1	S	S	S	S	S	S
10,000 to 49,999 lb	S	79	114	15	10	21	2	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 15, Coal	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	939	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	861	S	S	—	—	—	S	S	S
SCTG 18, Fuel oils	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	2 007	5 926	10 829	300	533	1 217	47	35	100
Less than 50 lb	S	S	S	S	—	S	S	S	S
50 to 99 lb	S	S	S	—	S	S	—	—	—
100 to 499 lb	43	S	S	3	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	3	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	54	S	S	12	11	23	4	2	S
10,000 to 49,999 lb	505	1 027	1 609	142	177	408	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	1 351	4 557	8 680	136	333	759	S	S	S
SCTG 20, Basic chemicals	S	17 573	28 028	1 729	1 346	2 971	773	580	1 665
Less than 50 lb	65	2	2	S	S	S	17	—	1
50 to 99 lb	S	S	S	S	S	S	5	—	—
100 to 499 lb	S	5	7	6	1	1	22	1	2
500 to 749 lb	7	S	S	S	S	S	S	1	3
750 to 999 lb	23	2	3	8	1	3	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	44	8	20
10,000 to 49,999 lb	S	S	S	608	403	832	291	161	436
50,000 to 99,999 lb	66	109	160	54	55	S	—	—	—
100,000 lb or more	7 909	13 232	21 506	814	842	1 911	380	409	1 202
SCTG 21, Pharmaceutical products	4 306	315	457	1 302	70	143	1 708	S	S
Less than 50 lb	2 300	16	23	405	3	7	744	5	13
50 to 99 lb	154	S	S	7	—	—	S	1	1
100 to 499 lb	540	S	S	S	4	9	137	4	12
500 to 749 lb	S	S	S	S	S	S	S	2	5
750 to 999 lb	62	4	5	S	S	S	5	—	1
1,000 to 9,999 lb	331	S	S	33	4	8	190	13	33
10,000 to 49,999 lb	633	195	282	142	54	110	537	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	543	2 762	4 543	36	185	391	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	1	2	3	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	9	25	54	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	506	2 627	4 362	24	158	333	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	3 932	2 433	3 774	1 583	1 034	2 091	1 154	485	1 364
Less than 50 lb	213	9	12	34	1	3	S	2	S
50 to 99 lb	70	4	6	3	1	1	31	1	4
100 to 499 lb	148	17	24	40	5	11	61	5	15
500 to 749 lb	65	10	15	17	3	7	12	3	7
750 to 999 lb	38	9	14	15	5	10	9	3	7
1,000 to 9,999 lb	908	179	254	193	58	117	S	43	115
10,000 to 49,999 lb	1 473	1 042	1 576	1 244	896	1 796	601	353	1 004
50,000 to 99,999 lb	S	13	20	S	S	S	S	S	S
100,000 lb or more	996	1 149	1 854	S	S	S	73	S	S
SCTG 24, Plastics and rubber	10 100	7 210	11 171	3 185	1 920	4 195	1 964	718	1 952
Less than 50 lb	330	9	12	99	3	6	110	3	8
50 to 99 lb	192	7	10	39	3	5	34	2	7
100 to 499 lb	417	38	53	109	13	27	125	10	28
500 to 749 lb	178	21	30	55	7	15	57	7	19
750 to 999 lb	94	15	21	42	6	14	38	5	12
1,000 to 9,999 lb	1 433	369	521	461	106	217	307	67	177
10,000 to 49,999 lb	3 798	2 216	3 237	1 595	721	1 488	1 135	488	1 303
50,000 to 99,999 lb	S	S	S	35	18	37	53	13	39
100,000 lb or more	3 634	4 497	7 220	749	1 044	2 387	105	124	360
SCTG 25, Logs and other wood in the rough	36	S	S	41	59	121	7	13	34
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	25	29	42	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	1 555	3 113	5 070	627	809	1 817	301	300	817
Less than 50 lb	55	3	5	S	1	1	14	S	S
50 to 99 lb	4	—	1	2	—	—	S	S	S
100 to 499 lb	33	3	5	7	1	2	5	1	2
500 to 749 lb	19	3	4	9	2	3	S	S	S
750 to 999 lb	10	3	4	S	S	S	S	S	S
1,000 to 9,999 lb	196	65	93	67	20	41	46	11	28
10,000 to 49,999 lb	480	579	821	342	363	794	178	168	453
50,000 to 99,999 lb	93	327	535	15	31	70	19	51	140
100,000 lb or more	666	2 131	3 603	164	391	903	20	68	188
SCTG 27, Pulp, newsprint, paper, and paperboard	2 699	4 321	6 677	1 204	1 740	3 909	331	403	1 123
Less than 50 lb	2	—	—	1	—	—	4	—	1
50 to 99 lb	1	—	—	S	S	S	S	S	S
100 to 499 lb	23	7	10	10	2	5	S	S	S
500 to 749 lb	4	2	3	S	S	S	2	S	S
750 to 999 lb	3	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	54	S	17	10	21	22	8	21
10,000 to 49,999 lb	1 521	1 878	2 683	630	754	1 614	221	265	729
50,000 to 99,999 lb	26	82	128	S	S	S	S	S	S
100,000 lb or more	959	2 295	3 771	505	907	2 116	69	125	361
SCTG 28, Paper or paperboard articles	1 152	627	912	392	205	451	312	211	582
Less than 50 lb	56	3	4	36	2	3	10	1	2
50 to 99 lb	S	S	S	6	1	2	2	—	1
100 to 499 lb	36	7	10	13	1	3	8	1	3
500 to 749 lb	12	4	5	S	—	1	S	S	S
750 to 999 lb	7	2	3	S	S	S	1	—	1
1,000 to 9,999 lb	126	50	72	46	20	41	47	S	S
10,000 to 49,999 lb	870	495	714	272	140	299	234	154	433
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	3 202	438	611	2 097	382	805	1 137	146	385
Less than 50 lb	1 186	44	62	571	21	43	423	16	42
50 to 99 lb	176	8	12	107	6	14	35	2	6
100 to 499 lb	468	33	47	544	35	72	142	13	33
500 to 749 lb	77	8	12	90	9	18	57	S	S
750 to 999 lb	66	8	12	17	3	6	23	2	5
1,000 to 9,999 lb	556	95	133	458	56	117	163	32	85
10,000 to 49,999 lb	656	208	283	301	215	469	294	75	196
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	10 540	1 287	1 823	9 402	1 191	2 486	5 542	771	2 042
Less than 50 lb	2 028	51	72	579	20	42	855	23	63
50 to 99 lb	506	25	35	173	10	21	193	10	27
100 to 499 lb	1 122	71	101	604	48	99	673	47	123
500 to 749 lb	293	29	41	326	28	55	184	21	54
750 to 999 lb	304	27	37	131	22	45	256	19	49
1,000 to 9,999 lb	2 821	333	467	2 467	263	545	1 783	202	522
10,000 to 49,999 lb	3 345	699	992	5 069	676	1 435	1 520	360	922
50,000 to 99,999 lb	44	16	22	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	1 518	2 893	4 134	422	465	1 040	468	345	978
Less than 50 lb	100	4	5	25	1	2	63	2	5
50 to 99 lb	16	2	3	S	S	S	10	—	1
100 to 499 lb	67	8	12	20	2	4	51	2	6
500 to 749 lb	13	3	4	—	—	1	6	1	4
750 to 999 lb	S	2	3	S	S	S	S	1	2
1,000 to 9,999 lb	189	71	96	67	12	25	116	23	61
10,000 to 49,999 lb	1 031	1 974	2 735	268	272	594	182	147	397
50,000 to 99,999 lb	20	156	226	S	S	S	S	19	56
100,000 lb or more	71	673	1 050	25	171	403	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	3 061	2 421	3 697	1 675	1 501	3 620	1 080	605	1 647
Less than 50 lb	45	2	2	33	1	2	27	—	1
50 to 99 lb	25	1	2	S	S	S	11	—	1
100 to 499 lb	110	13	18	51	6	12	27	1	3
500 to 749 lb	143	11	16	15	4	7	12	1	3
750 to 999 lb	46	5	7	S	S	S	S	S	S
1,000 to 9,999 lb	531	199	279	135	47	100	86	59	157
10,000 to 49,999 lb	1 265	970	1 351	755	440	970	277	160	463
50,000 to 99,999 lb	42	80	130	S	S	S	S	S	S
100,000 lb or more	854	1 141	1 892	514	897	2 288	624	380	1 014
SCTG 33, Articles of base metal	3 802	1 392	2 006	1 797	737	1 624	909	378	1 029
Less than 50 lb	465	12	17	157	4	8	184	4	10
50 to 99 lb	132	7	10	43	3	6	87	3	7
100 to 499 lb	464	39	55	252	18	37	179	11	31
500 to 749 lb	128	14	21	103	7	16	22	3	9
750 to 999 lb	109	17	23	S	S	S	36	4	12
1,000 to 9,999 lb	1 060	217	308	502	109	226	129	32	88
10,000 to 49,999 lb	1 311	854	1 229	447	333	661	223	200	531
50,000 to 99,999 lb	66	104	143	S	S	S	S	S	S
100,000 lb or more	67	127	200	111	232	S	S	S	S
SCTG 34, Machinery	9 579	930	1 318	2 839	366	787	3 544	280	756
Less than 50 lb	869	10	14	310	4	9	291	3	9
50 to 99 lb	263	6	9	59	2	3	137	3	8
100 to 499 lb	916	40	58	316	16	32	197	10	29
500 to 749 lb	281	23	32	49	4	9	S	6	15
750 to 999 lb	282	23	32	83	7	15	69	6	16
1,000 to 9,999 lb	3 252	234	328	868	97	205	776	62	170
10,000 to 49,999 lb	2 577	418	598	1 109	224	486	908	149	402
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	100
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	43 578	1 292	1 871	12 409	757	1 573	8 436	244	660
Less than 50 lb	10 645	40	58	2 315	14	28	2 783	15	42
50 to 99 lb	3 715	23	35	1 057	S	S	1 133	7	19
100 to 499 lb	10 838	132	190	3 963	54	104	1 679	22	62
500 to 749 lb	1 324	34	49	319	10	20	279	8	20
750 to 999 lb	1 266	S	S	97	S	S	155	5	15
1,000 to 9,999 lb	9 540	396	569	2 609	147	299	1 780	82	211
10,000 to 49,999 lb	5 685	493	698	1 958	489	1 032	610	101	280
50,000 to 99,999 lb	S	S	S	46	10	21	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	6 724	860	1 289	4 609	544	1 223	3 241	385	1 015
Less than 50 lb	349	11	16	164	4	9	101	3	9
50 to 99 lb	58	4	6	36	2	3	10	1	2
100 to 499 lb	342	24	33	97	9	19	64	4	12
500 to 749 lb	91	7	10	S	S	S	16	2	5
750 to 999 lb	41	4	5	13	3	6	32	3	8
1,000 to 9,999 lb	2 617	268	398	2 361	243	561	612	59	155
10,000 to 49,999 lb	2 199	401	574	1 704	253	560	1 426	240	618
50,000 to 99,999 lb	S	103	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 37, Transportation equipment, n.e.c.	2 309	67	98	3 039	46	104	1 534	51	S
Less than 50 lb	554	2	3	279	1	1	522	1	2
50 to 99 lb	81	—	1	S	S	1	35	—	1
100 to 499 lb	325	4	5	213	1	3	205	1	3
500 to 749 lb	166	1	1	86	1	1	S	1	2
750 to 999 lb	S	2	2	14	S	S	28	—	1
1,000 to 9,999 lb	565	21	29	920	12	27	419	12	31
10,000 to 49,999 lb	282	24	35	S	19	43	S	16	49
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	7 335	75	106	1 424	17	34	2 092	S	200
Less than 50 lb	S	S	S	877	4	8	784	5	14
50 to 99 lb	278	1	2	149	1	3	134	1	4
100 to 499 lb	711	8	12	190	3	6	313	5	14
500 to 749 lb	S	2	3	27	1	1	34	1	4
750 to 999 lb	S	1	1	S	1	2	13	S	S
1,000 to 9,999 lb	580	18	25	104	3	7	S	S	S
10,000 to 49,999 lb	87	17	25	S	S	S	53	10	26
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	1 874	380	535	773	142	303	985	165	452
Less than 50 lb	131	6	8	24	2	4	73	3	9
50 to 99 lb	S	6	8	27	3	5	42	4	10
100 to 499 lb	458	43	61	143	17	35	219	24	62
500 to 749 lb	97	14	19	75	9	19	82	10	26
750 to 999 lb	55	11	15	64	7	15	33	5	14
1,000 to 9,999 lb	627	134	192	329	60	131	301	58	165
10,000 to 49,999 lb	361	151	210	96	38	80	236	62	167
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	11 781	1 510	2 243	4 190	497	1 041	3 000	330	887
Less than 50 lb	5 307	47	67	1 136	16	32	1 050	17	48
50 to 99 lb	653	18	25	208	7	15	225	6	16
100 to 499 lb	1 200	62	89	506	24	50	359	36	93
500 to 749 lb	261	23	32	S	10	20	180	12	33
750 to 999 lb	298	27	38	78	8	16	89	7	18
1,000 to 9,999 lb	2 217	281	404	687	102	217	533	73	192
10,000 to 49,999 lb	1 722	709	997	1 249	286	601	548	168	454
50,000 to 99,999 lb	76	94	124	S	S	S	S	9	27
100,000 lb or more	49	250	467	S	S	S	S	S	S
SCTG 41, Waste and scrap .	251	487	751	S	64	152	7	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	185	252	382	S	S	S	S	14	35
50,000 to 99,999 lb	S	39	58	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	412	S	S	133	41	88	149	S	S
Less than 50 lb	S	1	1	S	S	S	3	—	—
50 to 99 lb	S	1	1	S	S	S	S	S	S
100 to 499 lb	12	2	3	7	1	1	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	95	34	45	107	37	80	142	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	438	201	312	194	71	S	S	S	S
Less than 50 lb	54	1	2	S	—	1	15	—	1
50 to 99 lb	S	—	—	S	—	—	S	S	S
100 to 499 lb	101	S	S	S	S	S	S	1	4
500 to 749 lb	5	1	1	S	S	S	3	S	1
750 to 999 lb	19	1	1	S	S	S	2	S	S
1,000 to 9,999 lb	110	16	21	26	4	7	9	1	3
10,000 to 49,999 lb	121	91	137	32	18	38	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in

1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

Item	1993	1997
1. Industry coverage	Manufacturers (minor exceptions) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses Auxiliaries (e.g., warehouses)
2. Commodity classification system	Standard Transportation Commodity Classification (STCC), developed by the American Association of Railroads (AAR).	Standard Classification of Transported Goods (SCTG).
3. Sample size	Approximately 200,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1992 Standard Statistical Establishment List (SSEL).	Approximately 100,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1995 Standard Statistical Establishment List (SSEL).
4. Survey methodology	Respondents took a sample of their individual outbound shipments for a 2-week period during each of the four calendar quarters of 1993. Respondents reported key characteristics for each sampled shipment.	Respondents took a sample of their individual outbound shipments for a 1-week period during each of the four calendar quarters of 1997. Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	For each shipment: Total value Total weight Major commodity (STCC) All modes of transportation Multiple origins (respondents specifically requested to report all shipment origins for the sampled establishment and report the appropriate origin for each shipment; assumed to always be the mailing address if no other origins listed). Destination Containerized (Y/N) Hazardous material (Y/N) Export (Y/N) If export, mode of export, foreign country, and city of destination.	For each shipment: Total value Total weight Major commodity (SCTG) All modes of transportation Single origin (assumed to be the mailing address unless the respondent provided a different physical location address). Destination Containerized (Y/N) Hazardous material (UN/NA codes) Export (Y/N) If export, mode of export, foreign country, and city of destination.

Appendix B. Reliability of the Estimates

An estimate based on a sample survey potentially contains two types of errors—sampling and nonsampling. Sampling error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The bias of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. Variance is the squared difference, averaged over all possible samples of the same size and design, between an estimator and its average value. Descriptions of sampling and nonsampling errors for the 1997 Commodity Flow Survey (CFS) are provided in the following sections.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of all the shipments made in 1997 from all establishments included on the CFS sampling frame is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling. (See Appendix C for a description of the sample design.)

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the

sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

An estimate of an unknown population value and its approximate standard error can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability, or confidence, of containing the unknown population value. If, for each possible sample, an estimate of an unknown population value and the estimate's approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the unknown population value.
2. For approximately 95 percent of the possible samples, the interval from two standard errors below to two standard errors above the estimate would include the unknown population value.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources: (1) nonresponse, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) other errors of collection, response, coverage, and processing. Although no direct measurement of the potential biases because of nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize its influence.

A potentially large source of bias in the estimates is due to nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all the selected establishments. Four levels of nonresponse can occur in the CFS: item, shipment, quarter (reporting week), and establishment. Item nonresponse

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been

returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

Some possible sources of bias that are attributed to respondent-conducted sampling include misunderstanding the definition of a shipment, constructing an incomplete frame of shipments from which to sample, ordering the shipment sampling frame by selected shipment characteristics, and selecting shipment records by a method other than the one specified in the questionnaire's instructions. We often contacted respondents who reported shipments having atypically large value or weight when compared to the rest of their reported shipments. Upon contact, if we are able to collect information on all of a given respondent's large shipments made either for a particular reporting week or for the entire quarter, then we identify these large shipments as certainty shipments. (See Appendix C for a description of how certainty shipments are used in the estimation process.)

Table B–1a. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	2.1	—	3.0	—	4.7	—	2.8
Single modes	2.3	.4	2.8	.5	4.0	1.0	3.1
Truck	2.1	.6	2.7	1.1	2.5	1.5	3.5
For-hire truck	2.8	.8	4.3	1.1	2.6	1.1	2.1
Private truck	3.2	.7	4.5	1.2	4.2	.5	6.1
Rail	9.4	.4	5.9	.7	6.0	1.2	3.7
Water	7.3	.1	8.3	.5	12.6	1.5	19.3
Shallow draft	6.9	.1	8.3	.4	10.8	.9	14.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	21.3	—	24.7	.3	28.4	1.1	20.3
Air (includes truck and air)	13.2	.3	15.5	—	18.2	—	2.5
Pipeline	10.4	.3	11.6	.8	S	S	S
Multiple modes	4.0	.4	11.6	.1	24.6	1.0	2.0
Parcel, U.S. Postal Service or courier	4.2	.4	4.7	—	2.8	—	2.0
Truck and rail	18.7	.1	14.4	—	11.6	.2	5.2
Truck and water	23.0	—	21.8	—	48.7	.7	S
Rail and water	24.8	—	24.7	—	21.4	.1	31.6
Other multiple modes	29.5	—	36.2	—	44.9	.5	S
Other and unknown modes	5.4	.2	14.5	.4	11.4	.2	16.6

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Region: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	2.1	1.9	3.3	3.0	2.4	4.4	4.7	3.7	6.4	2.8	7.9	8.9
Single modes	2.3	2.3	3.6	2.8	2.5	4.4	4.0	3.5	6.0	3.1	3.8	5.2
Truck	2.1	2.6	3.7	2.7	3.4	5.1	2.5	2.3	4.1	3.5	3.3	5.1
For-hire truck	2.8	2.8	4.4	4.3	7.6	10.0	2.6	1.9	4.0	2.1	5.3	6.3
Private truck	3.2	4.1	5.8	4.5	3.1	6.5	4.2	5.4	7.4	6.1	2.7	7.4
Rail	9.4	5.4	13.7	5.9	5.6	8.0	6.0	5.7	8.8	3.7	3.4	5.0
Water	7.3	7.8	13.5	8.3	10.5	15.4	12.6	11.2	16.7	19.3	S	S
Shallow draft	6.9	7.9	14.9	8.3	10.7	16.5	10.8	13.8	21.8	14.0	S	S
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	21.3	19.1	25.7	24.7	28.0	35.4	28.4	19.3	24.0	20.3	15.7	20.2
Air (includes truck and air)	13.2	7.2	22.5	15.5	24.3	40.3	18.2	12.3	35.5	2.5	2.2	3.2
Pipeline	10.4	11.7	20.4	11.6	8.3	21.2	S	S	S	S	S	S
Multiple modes	4.0	3.3	7.0	11.6	9.4	9.6	24.6	21.5	22.7	2.0	6.8	7.4
Parcel, U.S. Postal Service or courier	4.2	2.9	7.4	4.7	3.2	6.4	2.8	8.3	10.0	2.0	6.8	7.4
Truck and rail	18.7	18.8	26.5	14.4	13.9	23.8	11.6	10.8	23.1	5.2	7.1	8.5
Truck and water	23.0	27.9	18.9	21.8	14.9	12.5	48.7	16.7	54.4	S	12.1	S
Rail and water	24.8	36.2	7.3	24.7	20.8	12.8	21.4	29.7	9.5	31.6	11.4	21.1
Other multiple modes	29.5	49.3	55.9	36.2	S	S	44.9	S	S	S	31.3	S
Other and unknown modes ...	5.4	9.9	14.4	14.5	10.6	14.5	11.4	13.7	12.2	16.6	17.5	10.8

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1c. **Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Region: Percent of Total 1997 and 1993**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes	.4	.5	.5	.6	1.0	1.5
Truck	.6	.7	1.1	1.3	1.5	1.3
For-hire truck	.8	.8	1.1	1.5	1.1	.8
Private truck	.7	.9	1.2	1.2	.5	.7
Rail	.4	.3	.7	.8	1.2	1.2
Water	.1	.2	.5	.8	1.5	1.6
Shallow draft	.1	.1	.4	.6	.9	1.0
Great Lakes	—	—	—	—	—	—
Deep draft	—	.1	.3	.5	1.1	1.4
Air (includes truck and air)	.3	.1	—	—	—	—
Pipeline	.3	.3	.8	.6	S	S
Multiple modes	.4	.4	.1	.2	1.0	1.5
Parcel, U.S. Postal Service or courier	.4	.3	—	—	—	—
Truck and rail	.1	.2	—	—	.2	.1
Truck and water	—	—	—	.1	.7	.3
Rail and water	—	—	—	.2	.1	.8
Other multiple modes	—	—	—	S	.5	S
Other and unknown modes	.2	.3	.4	.5	.2	.5

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-2. **Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Region: 1997**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	4.7	—	2.8
Truck	2.5	1.5	3.5
Rail	5.7	1.3	3.1
Shallow draft	11.2	1.1	9.1
Great Lakes	46.4	—	19.4
Deep draft	25.5	1.3	15.1
Air	17.8	—	2.6
Parcel, U.S. Postal Service or courier	2.8	—	2.0
Pipeline	S	S	S
Other and unknown modes	12.6	.2	16.6

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	2.1	—	3.0	—	4.7	—
Less than 50 miles	2.5	.6	3.4	.9	2.8	.2
50 to 99 miles	6.2	.4	6.1	.5	6.3	.2
100 to 249 miles	3.9	.4	4.6	.6	5.6	.9
250 to 499 miles	3.6	.5	6.6	.6	6.3	1.1
500 to 749 miles	2.0	.2	6.9	.2	7.8	.9
750 to 999 miles	2.7	.1	9.8	.2	9.2	1.0
1,000 to 1,499 miles	8.1	.5	12.6	.2	15.0	1.3
1,500 to 1,999 miles	6.6	.2	6.1	—	6.9	.3
2,000 miles or more	5.4	.1	6.0	—	6.0	.2
Single modes	2.3	—	2.8	—	4.0	—
Less than 50 miles	2.6	.6	3.3	1.0	3.0	.2
50 to 99 miles	6.8	.5	6.2	.5	6.5	.3
100 to 249 miles	4.2	.5	4.7	.6	5.7	.9
250 to 499 miles	4.1	.6	6.9	.7	6.0	1.0
500 to 749 miles	2.0	.2	6.8	.2	7.3	.9
750 to 999 miles	3.2	.2	9.6	.2	8.8	1.0
1,000 to 1,499 miles	9.6	.5	12.6	.2	13.0	1.1
1,500 to 1,999 miles	8.1	.2	6.5	—	7.2	.3
2,000 miles or more	7.3	.1	4.2	—	4.4	.1
Truck	2.1	—	2.7	—	2.5	—
Less than 50 miles	2.4	.6	3.5	1.2	3.3	.4
50 to 99 miles	7.3	.5	7.6	.8	7.2	.5
100 to 249 miles	4.9	.6	3.6	.4	3.7	.5
250 to 499 miles	4.1	.6	6.6	.4	5.4	.9
500 to 749 miles	2.6	.2	3.3	.1	3.5	.5
750 to 999 miles	4.0	.2	5.1	—	5.2	.4
1,000 to 1,499 miles	7.7	.3	10.1	.1	10.4	.8
1,500 to 1,999 miles	9.8	.2	5.7	—	5.5	.3
2,000 miles or more	8.0	.1	4.5	—	4.6	.2
For-hire truck	2.8	—	4.3	—	2.6	—
Less than 50 miles	6.7	.8	6.1	1.8	5.5	.3
50 to 99 miles	11.0	.6	13.9	1.4	13.0	.7
100 to 249 miles	4.0	.5	5.5	.5	5.6	.5
250 to 499 miles	4.2	.7	3.5	.4	3.1	.4
500 to 749 miles	3.0	.4	2.6	.2	2.7	.6
750 to 999 miles	4.2	.3	4.0	.2	3.9	.4
1,000 to 1,499 miles	8.1	.5	11.8	.3	12.1	1.1
1,500 to 1,999 miles	10.3	.4	5.5	—	5.3	.4
2,000 miles or more	9.2	.2	4.1	—	4.2	.2
Private truck	3.2	—	4.5	—	4.2	—
Less than 50 miles	2.0	1.3	5.5	1.2	5.4	1.1
50 to 99 miles	6.5	.5	7.1	.7	7.1	.7
100 to 249 miles	10.4	1.2	5.0	.4	4.7	1.0
250 to 499 miles	7.8	.6	21.2	.7	17.5	2.0
500 to 749 miles	6.0	.2	14.1	.1	15.1	1.1
750 to 999 miles	5.7	—	15.4	—	16.4	.9
1,000 to 1,499 miles	13.5	.2	19.0	—	20.4	.9
1,500 to 1,999 miles	15.6	—	18.2	—	17.5	.4
2,000 miles or more	24.7	—	20.0	—	19.2	.3
Rail	9.4	—	5.9	—	6.0	—
Less than 50 miles	11.1	.9	9.4	1.9	9.9	.2
50 to 99 miles	9.3	.4	13.7	.8	14.7	.3
100 to 249 miles	9.2	1.0	9.9	1.9	10.3	1.3
250 to 499 miles	17.6	1.2	11.0	2.1	10.1	2.0
500 to 749 miles	11.8	1.4	8.1	.6	8.4	1.0
750 to 999 miles	6.8	.7	7.0	.5	6.9	1.0
1,000 to 1,499 miles	27.3	1.5	16.5	.5	16.2	1.4
1,500 to 1,999 miles	9.0	.4	10.2	.1	10.6	.7
2,000 miles or more	20.4	.5	14.1	—	13.8	.3
Water	7.3	—	8.3	—	12.6	—
Less than 50 miles	12.2	3.7	12.9	3.5	15.2	.8
50 to 99 miles	21.1	1.5	16.4	1.7	29.9	.8
100 to 249 miles	14.6	2.7	17.4	3.0	18.8	2.9
250 to 499 miles	14.7	1.9	14.5	1.7	13.4	2.7
500 to 749 miles	18.5	2.1	24.7	2.3	24.0	4.6
750 to 999 miles	23.6	1.6	28.4	1.8	25.3	3.8
1,000 to 1,499 miles	48.6	1.0	33.9	.7	32.2	2.8
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Shallow draft	6.9	—	8.3	—	10.8	—
Less than 50 miles	15.6	4.2	16.3	3.8	17.6	.8
50 to 99 miles	22.2	1.8	17.3	2.6	31.2	1.8
100 to 249 miles	14.3	3.0	17.3	3.3	18.5	2.9
250 to 499 miles	16.0	2.1	15.7	1.8	14.4	3.6
500 to 749 miles	24.1	2.3	25.6	2.5	27.0	5.8
750 to 999 miles	25.7	1.8	26.6	1.4	25.2	3.9
1,000 to 1,499 miles	S	S	41.0	.2	42.1	1.0
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	21.3	—	24.7	—	28.4	—
Less than 50 miles	32.9	6.6	33.8	7.9	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	40.2	5.1	41.2	5.7	38.4	6.5
750 to 999 miles	35.7	6.9	43.0	6.9	41.0	8.8
1,000 to 1,499 miles	47.4	2.8	40.0	4.2	37.9	8.2
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	13.2	—	15.5	—	18.2	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	24.1	.7	15.1	.7	15.5	.1
100 to 249 miles	23.8	2.7	20.1	1.6	32.3	1.1
250 to 499 miles	14.1	1.4	25.2	2.9	13.4	1.6
500 to 749 miles	18.4	1.6	27.6	3.3	28.0	3.2
750 to 999 miles	19.7	.9	11.7	1.5	12.0	1.6
1,000 to 1,499 miles	20.2	3.0	S	S	48.9	4.7
1,500 to 1,999 miles	18.5	.8	32.8	1.4	30.2	1.6
2,000 miles or more	12.2	.9	14.4	.9	17.2	2.4
Pipeline	10.4	—	11.6	—	S	S
Less than 50 miles	13.8	4.4	13.7	4.4	S	S
50 to 99 miles	26.1	1.1	27.5	.6	S	S
100 to 249 miles	18.0	3.1	20.5	2.1	S	S
250 to 499 miles	42.1	2.6	44.0	3.0	S	S
500 to 749 miles	41.7	1.3	40.0	1.4	S	S
750 to 999 miles	45.5	.6	45.8	1.2	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	4.0	—	11.6	—	24.6	—
Less than 50 miles	6.0	.8	21.4	3.0	26.6	.4
50 to 99 miles	6.2	.3	17.8	.7	33.7	.2
100 to 249 miles	4.9	.3	18.2	3.6	20.0	2.4
250 to 499 miles	3.3	.6	28.7	3.1	S	S
500 to 749 miles	6.6	.7	29.5	3.3	31.1	3.8
750 to 999 miles	7.4	.4	26.8	1.8	27.4	2.3
1,000 to 1,499 miles	12.5	1.2	34.1	1.6	S	S
1,500 to 1,999 miles	6.1	.3	11.2	.5	11.8	1.7
2,000 miles or more	5.0	.3	17.8	.4	17.7	1.5
Parcel, U.S. Postal Service or courier	4.2	—	4.7	—	2.8	—
Less than 50 miles	6.1	.9	17.1	2.0	13.6	—
50 to 99 miles	6.5	.4	12.3	.5	12.7	.1
100 to 249 miles	5.0	.3	8.2	.8	8.6	.5
250 to 499 miles	2.6	.5	5.2	.6	4.6	.5
500 to 749 miles	5.1	.5	3.2	.5	3.3	.4
750 to 999 miles	7.8	.4	4.7	.5	4.8	.5
1,000 to 1,499 miles	13.7	1.2	4.5	.5	4.4	.8
1,500 to 1,999 miles	6.2	.2	7.6	.3	7.8	.8
2,000 miles or more	6.1	.3	9.3	.4	8.7	1.0
Truck and rail	18.7	—	14.4	—	11.6	—
Less than 50 miles	31.1	.5	44.3	4.6	S	S
50 to 99 miles	31.1	.5	46.2	1.1	S	S
100 to 249 miles	22.6	.5	22.5	3.3	23.5	1.2
250 to 499 miles	22.8	3.6	17.0	2.4	15.5	1.2
500 to 749 miles	31.3	3.0	17.3	2.4	16.8	1.8
750 to 999 miles	30.2	1.2	18.2	1.2	17.8	1.3
1,000 to 1,499 miles	15.0	2.2	19.8	2.5	17.6	2.7
1,500 to 1,999 miles	18.5	2.4	13.6	1.4	13.9	2.2
2,000 miles or more	10.6	1.8	23.5	.8	24.0	1.8
Truck and water	23.0	—	21.8	—	48.7	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	45.4	2.9	37.0	.7
100 to 249 miles	24.6	7.3	33.1	8.2	31.1	8.2
250 to 499 miles	34.1	5.8	30.5	5.2	30.0	6.0
500 to 749 miles	30.9	4.1	41.9	4.9	37.5	4.4
750 to 999 miles	S	S	47.4	3.9	46.0	4.7
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	27.6	3.0	26.4	.4	26.6	3.4

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	24.8	—	24.7	—	21.4	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	35.9	8.8	33.9	8.5	36.3	8.7
250 to 499 miles	S	S	S	S	43.6	5.5
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	29.5	—	36.2	—	44.9	—
Less than 50 miles	27.2	9.6	31.2	11.3	38.1	10.4
50 to 99 miles	39.2	2.4	S	S	S	S
100 to 249 miles	S	S	48.4	1.4	49.4	.2
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	5.4	—	14.5	—	11.4	—
Less than 50 miles	9.9	2.8	18.2	2.9	25.5	2.1
50 to 99 miles	7.1	.5	15.5	.6	17.0	.7
100 to 249 miles	9.5	1.2	16.0	1.6	15.8	2.3
250 to 499 miles	8.5	.7	17.4	1.3	16.6	2.6
500 to 749 miles	10.5	.8	20.1	.5	19.8	2.3
750 to 999 miles	8.0	.4	33.3	.6	34.3	2.8
1,000 to 1,499 miles	20.5	1.0	14.2	.2	13.9	1.3
1,500 to 1,999 miles	25.6	.4	15.1	—	14.7	.9
2,000 miles or more	20.4	.5	45.4	.3	43.6	3.4

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	2.1	—	3.0	—	4.7	—	2.8
Less than 50 lb	4.4	.4	2.3	—	2.7	—	3.2
50 to 99 lb	4.6	.1	3.9	—	3.6	—	4.0
100 to 499 lb	4.4	.4	3.0	—	2.6	—	4.5
500 to 749 lb	3.2	.1	3.4	—	2.8	—	3.9
750 to 999 lb	4.0	—	3.0	—	3.6	—	3.3
1,000 to 9,999 lb	5.1	.8	1.6	.1	2.9	.2	2.9
10,000 to 49,999 lb	2.8	.8	3.0	1.3	2.7	1.2	2.4
50,000 to 99,999 lb	6.5	.2	7.2	.9	6.4	.4	4.6
100,000 lb or more	4.4	.4	5.4	1.3	7.3	1.6	4.6
Single modes	2.3	—	2.8	—	4.0	—	3.1
Less than 50 lb	8.5	.3	3.8	—	4.7	—	5.0
50 to 99 lb	8.0	.1	5.1	—	5.9	—	6.7
100 to 499 lb	5.0	.4	3.1	—	3.4	—	4.8
500 to 749 lb	3.2	—	3.5	—	3.0	—	3.8
750 to 999 lb	3.9	—	2.9	—	3.3	—	3.0
1,000 to 9,999 lb	5.1	.9	1.5	.1	2.4	.1	2.6
10,000 to 49,999 lb	2.9	.9	3.1	1.3	2.8	1.2	2.4
50,000 to 99,999 lb	6.6	.3	7.4	1.0	6.8	.4	4.4
100,000 lb or more	4.6	.4	5.0	1.2	6.1	1.4	4.7
Truck	2.1	—	2.7	—	2.5	—	3.5
Less than 50 lb	3.4	—	3.9	—	5.9	—	7.5
50 to 99 lb	7.5	.1	5.2	—	6.6	—	7.1
100 to 499 lb	5.4	.4	3.1	—	3.5	—	4.9
500 to 749 lb	3.2	.1	3.5	—	2.9	—	3.7
750 to 999 lb	3.6	—	2.9	—	3.3	—	2.9
1,000 to 9,999 lb	5.1	1.0	1.5	.2	2.3	.2	2.5
10,000 to 49,999 lb	2.9	1.1	3.1	1.5	2.6	.9	2.3
50,000 to 99,999 lb	7.0	.3	7.4	1.4	7.4	1.0	4.6
100,000 lb or more	8.7	.1	13.9	1.2	10.9	.6	15.2
For-hire truck	2.8	—	4.3	—	2.6	—	2.1
Less than 50 lb	6.9	.1	6.8	—	7.4	—	4.6
50 to 99 lb	13.6	.1	6.9	—	9.0	—	5.1
100 to 499 lb	10.1	.6	3.7	—	4.8	—	3.3
500 to 749 lb	5.4	.1	4.8	—	3.7	—	1.8
750 to 999 lb	5.8	.1	4.5	—	4.0	—	2.4
1,000 to 9,999 lb	6.6	1.2	3.1	.2	3.3	.3	.9
10,000 to 49,999 lb	2.8	1.3	4.5	1.1	2.5	.7	3.4
50,000 to 99,999 lb	6.1	.2	7.8	1.6	7.1	.7	3.2
100,000 lb or more	10.6	.2	12.9	1.2	15.0	.7	18.7
Private truck	3.2	—	4.5	—	4.2	—	6.1
Less than 50 lb	3.2	.2	4.3	—	5.9	—	11.5
50 to 99 lb	7.0	.2	6.1	—	9.0	—	10.6
100 to 499 lb	3.7	.5	3.8	—	4.1	—	4.9
500 to 749 lb	3.0	.1	4.4	—	4.9	—	4.4
750 to 999 lb	5.2	.1	3.7	—	7.2	—	5.3
1,000 to 9,999 lb	6.3	1.4	2.4	.4	4.4	.4	4.0
10,000 to 49,999 lb	7.5	1.8	4.4	2.1	4.6	2.0	4.8
50,000 to 99,999 lb	9.0	.6	10.6	1.7	13.8	2.1	8.3
100,000 lb or more	13.7	.2	21.5	1.4	15.7	.8	27.8
Rail	9.4	—	5.9	—	6.0	—	3.7
Less than 50 lb	36.9	—	S	S	39.0	—	38.0
50 to 99 lb	S	S	S	S	42.2	—	S
100 to 499 lb	27.3	—	29.7	—	32.3	—	17.7
500 to 749 lb	S	S	49.9	—	S	S	17.7
750 to 999 lb	31.1	—	37.5	—	35.9	—	17.0
1,000 to 9,999 lb	40.9	1.0	39.5	—	44.8	—	10.5
10,000 to 49,999 lb	27.4	1.7	15.2	.1	21.7	.3	6.4
50,000 to 99,999 lb	27.9	1.4	8.1	.1	7.6	.1	8.1
100,000 lb or more	8.0	2.3	5.9	.2	5.9	.4	3.1
Water	7.3	—	8.3	—	12.6	—	19.3
Less than 50 lb	S	S	33.6	—	41.4	—	35.8
50 to 99 lb	S	S	S	S	S	S	22.5
100 to 499 lb	S	S	37.6	—	32.4	—	32.9
500 to 749 lb	S	S	39.6	—	39.1	—	S
750 to 999 lb	47.7	—	40.7	—	S	S	27.0
1,000 to 9,999 lb	37.8	—	43.2	—	S	S	36.5
10,000 to 49,999 lb	34.8	.3	S	S	34.4	.1	45.7
50,000 to 99,999 lb	S	S	45.4	—	S	S	22.5
100,000 lb or more	7.2	.4	8.3	.2	12.6	.2	7.2
Shallow draft	6.9	—	8.3	—	10.8	—	14.0
Less than 50 lb	35.2	—	40.7	—	S	S	22.0
50 to 99 lb	39.3	—	42.5	—	44.0	—	19.7
100 to 499 lb	S	S	46.2	—	41.2	—	31.6
500 to 749 lb	S	S	34.2	—	47.8	—	22.8
750 to 999 lb	S	S	S	S	S	S	21.2
1,000 to 9,999 lb	41.5	—	S	S	S	S	41.3
10,000 to 49,999 lb	28.9	.2	S	S	38.7	.1	S
50,000 to 99,999 lb	S	S	47.1	—	S	S	22.6
100,000 lb or more	6.9	.3	8.3	.2	10.9	.2	6.8

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	21.3	—	24.7	—	28.4	—	20.3
Less than 50 lb	S	S	S	S	S	S	45.8
50 to 99 lb	S	S	S	S	S	S	22.3
100 to 499 lb	S	S	S	S	S	S	26.1
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	24.7
1,000 to 9,999 lb	S	S	S	S	S	S	35.9
10,000 to 49,999 lb	S	S	40.7	7	S	S	28.3
50,000 to 99,999 lb	S	S	S	S	S	S	23.2
100,000 lb or more	22.1	3.8	24.7	1.3	28.4	2.9	18.2
Air (includes truck and air)	13.2	—	15.5	—	18.2	—	2.5
Less than 50 lb	29.9	3.9	7.7	1.1	7.4	1.1	2.9
50 to 99 lb	16.7	1.8	7.8	.5	8.3	.6	2.8
100 to 499 lb	7.6	2.0	7.6	2.4	7.3	2.5	3.3
500 to 749 lb	13.5	.8	21.3	1.0	26.4	1.1	3.7
750 to 999 lb	24.0	.4	22.2	.8	26.4	.6	7.8
1,000 to 9,999 lb	29.5	4.2	10.9	3.3	12.6	3.5	4.3
10,000 to 49,999 lb	S	S	28.8	3.8	29.2	3.9	7.0
50,000 to 99,999 lb	S	S	S	S	S	S	28.7
100,000 lb or more	S	S	S	S	S	S	21.2
Pipeline	10.4	—	11.6	—	S	S	S
Less than 50 lb	S	S	44.3	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	46.9	S	S	S	S
10,000 to 49,999 lb	36.8	.2	S	S	S	S	S
50,000 to 99,999 lb	45.3	—	32.4	—	S	S	S
100,000 lb or more	10.5	.3	11.6	—	S	S	S
Multiple modes	4.0	—	11.6	—	24.6	—	2.0
Less than 50 lb	5.6	1.2	2.9	.6	3.2	.7	1.9
50 to 99 lb	3.6	.6	5.1	.2	3.6	.3	3.1
100 to 499 lb	9.8	1.3	8.2	.5	6.1	.6	5.2
500 to 749 lb	17.9	.4	13.5	—	8.6	—	11.1
750 to 999 lb	16.2	.2	18.4	.1	22.2	.2	8.3
1,000 to 9,999 lb	34.9	1.4	41.0	.9	41.6	1.1	11.9
10,000 to 49,999 lb	9.7	.4	6.7	1.2	7.8	3.1	4.0
50,000 to 99,999 lb	18.5	—	35.9	4.7	40.3	4.3	22.2
100,000 lb or more	17.4	.4	18.1	4.7	36.5	6.4	6.6
Parcel, U.S. Postal Service or courier	4.2	—	4.7	—	2.8	—	2.0
Less than 50 lb	5.6	1.3	2.9	1.3	3.2	1.1	1.9
50 to 99 lb	3.6	.6	5.1	.5	3.6	.5	3.1
100 to 499 lb	9.8	1.2	8.2	1.3	6.2	1.3	5.2
500 to 749 lb	18.0	.4	13.7	.4	8.3	.3	11.3
750 to 999 lb	16.4	.2	18.4	.5	22.6	.6	8.7
1,000 to 9,999 lb	41.5	.1	30.4	.2	S	S	26.0
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	18.7	—	14.4	—	11.6	—	5.2
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	26.8
100 to 499 lb	36.4	—	S	S	34.3	—	S
500 to 749 lb	S	S	47.5	—	S	S	20.5
750 to 999 lb	S	S	43.8	—	43.3	—	23.3
1,000 to 9,999 lb	36.5	8.2	42.9	2.4	43.6	2.8	10.0
10,000 to 49,999 lb	10.3	7.4	7.2	5.2	8.1	4.2	4.1
50,000 to 99,999 lb	27.9	.6	30.6	2.2	26.3	1.2	30.1
100,000 lb or more	17.8	1.9	22.9	4.9	30.5	3.4	12.3
Truck and water	23.0	—	21.8	—	48.7	—	S
Less than 50 lb	S	S	46.4	—	S	S	19.7
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	47.8	—	S	S	14.9
500 to 749 lb	S	S	S	S	S	S	21.2
750 to 999 lb	S	S	S	S	S	S	22.5
1,000 to 9,999 lb	40.0	1.0	47.0	—	38.0	.8	17.7
10,000 to 49,999 lb	31.0	4.7	32.2	3.5	25.3	3.7	S
50,000 to 99,999 lb	45.4	4.8	48.3	10.6	48.7	8.4	15.2
100,000 lb or more	32.1	8.0	27.2	10.4	S	S	20.3

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	24.8	—	24.7	—	21.4	—	31.6
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	21.8
10,000 to 49,999 lb	S	S	S	S	S	S	22.7
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	24.8	.1	24.7	—	21.4	—	31.6
Other multiple modes	29.5	—	36.2	—	44.9	—	S
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	21.9
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	22.9
1,000 to 9,999 lb	43.5	.4	S	S	45.1	.3	S
10,000 to 49,999 lb	S	S	38.4	6.3	S	S	43.9
50,000 to 99,999 lb	39.8	8.2	38.9	8.3	39.2	6.4	22.9
100,000 lb or more	46.0	9.8	40.7	10.8	45.1	9.4	17.3
Other and unknown modes	5.4	—	14.5	—	11.4	—	16.6
Less than 50 lb	6.5	.9	16.4	—	16.4	—	23.0
50 to 99 lb	9.0	.3	7.4	—	12.1	—	17.3
100 to 499 lb	7.2	.4	17.3	.3	5.4	—	11.6
500 to 749 lb	5.8	.2	18.2	—	15.3	—	23.4
750 to 999 lb	14.5	.2	28.8	—	18.6	—	34.3
1,000 to 9,999 lb	14.8	3.5	8.1	.9	9.9	.9	9.9
10,000 to 49,999 lb	6.0	1.7	6.8	2.1	7.7	3.4	12.4
50,000 to 99,999 lb	11.4	.2	15.5	.8	21.3	1.3	26.4
100,000 lb or more	23.3	2.7	18.9	3.2	19.9	4.3	17.1

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	2.1	—	3.0	—	4.7	—	2.8
01	Live animals and live fish	19.2	—	30.9	—	25.0	—	10.6
02	Cereal grains	24.0	.1	21.1	.4	21.2	.3	14.3
03	Other agricultural products	7.4	—	13.1	.2	13.9	.2	25.7
04	Animal feed and products of animal origin, n.e.c.	11.3	—	6.5	.1	9.3	.1	33.4
05	Meat, fish, seafood, and their preparations	4.4	.1	5.4	—	7.3	.1	17.6
06	Milled grain products and preparations, and bakery products	11.4	.1	6.8	—	7.3	—	22.3
07	Other prepared foodstuffs and fats and oils	6.9	.2	5.7	.2	6.7	.3	19.2
08	Alcoholic beverages	4.2	—	5.8	—	14.7	—	3.4
09	Tobacco products	17.7	.3	29.8	—	23.8	—	18.6
10	Monumental or building stone	20.1	—	23.9	—	18.9	—	28.3
11	Natural sands	11.3	—	15.4	.6	16.3	.2	19.4
12	Gravel and crushed stone	8.6	—	8.2	.9	9.0	.3	8.9
13	Nonmetallic minerals n.e.c.	12.4	—	19.4	.5	20.2	.6	15.3
14	Metallic ores and concentrates	21.7	—	30.2	—	34.4	.1	11.7
15	Coal	8.0	—	8.0	.8	10.7	1.1	28.4
17	Gasoline and aviation turbine fuel	4.7	.2	10.7	.9	26.0	1.9	7.2
18	Fuel oils	9.3	.2	10.4	.5	18.4	.5	7.6
19	Coal and petroleum products, n.e.c.	7.8	.1	8.5	.4	8.7	.3	18.1
20	Basic chemicals	17.8	.7	10.5	.4	17.6	1.2	13.7
21	Pharmaceutical products	9.2	.3	19.3	—	33.4	.1	8.9
22	Fertilizers	7.3	—	11.8	.3	9.8	.3	6.7
23	Chemical products and preparations, n.e.c.	5.5	.1	7.0	—	12.1	.3	13.3
24	Plastics and rubber	3.7	.2	4.6	—	6.5	.2	4.6
25	Logs and other wood in the rough	9.5	—	14.6	.7	18.5	.3	15.5
26	Wood products	7.0	.1	13.1	.5	17.0	.7	8.9
27	Pulp, newsprint, paper, and paperboard	5.7	.1	4.2	—	5.3	.3	7.7
28	Paper or paperboard articles	5.1	—	4.8	—	7.3	—	8.4
29	Printed products	4.8	.1	8.8	—	6.5	—	11.7
30	Textiles, leather, and articles of textiles or leather	10.2	.8	5.8	—	7.5	.2	2.4
31	Nonmetallic mineral products	3.8	—	4.8	.5	4.7	.3	9.0
32	Base metal in primary or semifinished forms and in finished basic shapes	3.8	.1	9.5	.2	7.6	.3	4.8
33	Articles of base metal	3.0	.1	7.9	—	10.5	.2	6.1
34	Machinery	4.8	.3	3.8	—	4.3	—	4.5
35	Electronic and other electrical equipment and components and office equipment	9.6	1.0	8.0	—	8.1	.1	5.0
36	Motorized and other vehicles (including parts)	7.7	.4	7.3	—	8.6	.1	7.6
37	Transportation equipment, n.e.c.	11.8	.1	13.5	—	12.6	—	6.1
38	Precision instruments and apparatus	19.1	.3	16.6	—	19.7	—	7.6
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.8	.2	8.0	—	6.3	—	4.3
40	Miscellaneous manufactured products	7.6	.4	7.5	—	7.4	.1	5.4
41	Waste and scrap	5.7	—	6.2	—	7.9	.1	8.6
43	Mixed freight	13.7	.6	15.2	.2	10.8	—	9.9
—	Commodity unknown	14.0	—	S	S	S	S	13.2

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	2.1	—	3.0	—	4.7	—	2.8
010	Live animals and live fish	19.2	—	30.9	—	25.0	—	10.6
021	Wheat	12.4	—	11.8	—	18.7	.1	7.4
022	Corn, except sweet	22.9	—	22.4	.2	24.1	.2	32.1
029	Other cereal grains	46.9	—	44.9	.2	48.8	.3	22.2
031	Fresh or chilled potatoes (Irish potatoes), except sweet	21.1	—	41.5	—	32.4	—	22.7
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	15.9	—	19.3	—	26.1	—	28.5
033	Fresh, chilled, or dried edible fruit and nuts	18.3	—	23.9	—	35.8	—	17.7
034	Soya beans	20.0	—	20.3	.1	25.4	.2	12.3
035	Oil seeds and nuts, except olives and soya beans	15.4	—	41.3	—	43.9	.1	16.2
036	Bulbs, live plants, and seeds for sowing, n.e.c.	16.3	—	16.9	—	24.7	—	23.1
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	13.4	—	16.7	—	29.0	—	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	14.7	—	13.1	—	16.8	.1	S
042	Animal feed preparations	14.4	—	8.8	.1	11.6	—	20.6
051	Meat including poultry, except preparations	4.6	.1	5.2	—	7.6	.1	12.6
052	Fish, except live, and seafood, except preparations	16.5	—	16.1	—	16.7	—	27.0
053	Preparations, extracts, and juices of meat, fish, or seafood	35.6	—	S	S	S	S	13.5
061	Wheat flour, groats, and meal	17.6	—	20.7	—	25.5	—	17.4
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	14.0	—	14.0	—	15.6	—	28.2
063	Food preparations of cereals, flour, starch, or milk	27.6	—	14.0	—	12.1	—	26.5
064	Bakery products	15.4	.1	9.3	—	14.5	—	28.1
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	11.1	—	14.5	—	19.0	—	18.1
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	7.6	—	8.9	—	11.0	—	14.3
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	15.8	—	17.8	—	21.3	—	33.8
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	9.6	—	13.2	—	18.2	.1	19.8
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	22.4	—	20.1	—	23.9	.2	10.3
076	Confectionery, cocoa, and cocoa preparations	19.1	—	18.5	—	20.4	—	13.1
077	Edible preparations, n.e.c. and vinegar	8.7	—	10.0	—	11.3	—	12.9
078	Nonalcoholic beverages, n.e.c. and ice	20.6	.2	11.1	.2	15.0	.1	8.2
081	Malt Beer	4.9	—	6.4	—	15.4	—	4.4
082	Wine and other fermented beverages	8.7	—	8.5	—	10.1	—	6.3
083	Spirituos beverages and ethyl alcohol	6.3	—	8.2	—	21.3	—	8.8
090	Tobacco products	17.7	.3	29.8	—	23.8	—	18.6
100	Monumental or building stone, except dolomite	20.1	—	23.9	—	18.9	—	28.3
110	Natural sands, except metal-bearing	11.3	—	15.4	.6	16.3	.2	19.4
120	Gravel and crushed stone, except dolomite and slate	8.6	—	8.2	.9	9.0	.3	8.9
131	Salt	32.3	—	40.6	.1	S	S	13.7
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	13.2	—	21.7	—	38.7	—	18.5
133	Dolomite	44.5	—	S	S	S	S	S
139	Other nonmetallic minerals	15.8	—	28.9	.5	13.4	.3	12.5
141	Iron ores and concentrates	34.4	—	41.6	—	38.7	—	22.3
149	Other metallic ores and concentrates	22.3	—	39.5	—	35.5	.1	13.8
151	Nonagglomerated bituminous coal	9.1	—	10.2	.9	10.8	1.2	30.8
159	Other coal	17.7	—	19.8	.2	49.6	—	49.1
171	Gasoline	5.1	.2	8.3	.7	24.3	1.3	7.4
172	Aviation turbine fuel (types A and B)	15.2	—	34.5	.4	42.3	.8	41.1
180	Fuel oils	9.3	.2	10.4	.5	18.4	.5	7.6
191	Lubricating oils and greases	14.3	—	14.6	—	25.4	.3	19.0
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	22.3	—	21.2	.2	36.8	.3	39.3
193	Gaseous hydrocarbons	11.8	—	12.9	.1	19.3	—	9.7
199	Other products of petroleum refining, and coal products	13.1	—	14.7	.3	12.5	.2	13.3
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	15.8	—	16.0	.1	32.3	.6	17.3
202	Inorganic chemicals, n.e.c.	6.3	—	13.2	.2	14.4	.3	13.7
203	Cyclic hydrocarbons	37.4	—	15.4	—	24.8	.1	12.5
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	23.8	.1	26.5	.1	41.5	.4	10.3
205	Organic chemicals, n.e.c.	24.5	.6	21.0	.3	28.1	.8	13.6
210	Pharmaceutical products	9.2	.3	19.3	—	33.4	.1	8.9
220	Fertilizers and fertilizer materials	7.3	—	11.8	.3	9.8	.3	6.7
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	7.8	—	8.7	—	9.8	—	21.7
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	16.6	—	20.8	—	29.6	—	12.7
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	13.0	—	14.5	—	21.8	.2	10.1
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	18.8	—	25.1	—	20.8	—	16.1
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	7.5	—	20.4	—	17.7	—	16.6
239	Other chemical products and preparations	11.9	—	9.3	—	13.0	.1	9.1
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	6.3	.1	7.1	—	10.0	.2	6.0
242	Manmade fibers and plastics basic shapes and articles	4.3	.1	5.6	—	6.3	—	5.3

See footnotes at end of table.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	4.8	—	6.4	—	5.4	—	7.5
250	Logs and other wood in the rough	9.5	—	14.6	.7	18.5	.3	15.5
261	Wood chips or particles	17.1	—	21.0	.2	24.0	.2	15.0
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	5.9	—	6.8	.1	7.3	.2	6.4
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	20.4	.1	39.1	.3	35.3	.7	10.9
264	Builders' joinery and carpentry of wood, except shingles and shakes	9.0	—	10.7	—	14.2	—	13.1
269	Other wood products	7.5	—	32.0	.1	15.3	—	12.0
271	Pulp of fibrous cellulosic materials	16.2	—	19.1	—	24.6	.1	20.4
272	Newsprint in large rolls or sheets	21.7	—	20.8	—	20.2	—	38.0
273	Uncoated paper and paperboard in large rolls or sheets	8.1	—	7.6	—	8.9	.3	6.6
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	7.6	—	9.1	—	9.1	.1	9.2
280	Paper or paperboard articles	5.1	—	4.8	—	7.3	—	8.4
291	Printed books, brochures, leaflets, and similar printed products	9.3	—	38.7	—	10.2	—	3.0
292	Newspapers, journals, and periodicals	7.4	—	11.7	—	21.0	—	31.7
293	Advertising material, commercial or trade catalogues, and similar printed products	9.4	—	12.9	—	16.3	—	22.1
299	Other printed products	10.1	—	9.5	—	10.9	—	7.8
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	3.7	.1	3.8	—	6.0	—	4.2
302	Textile clothing and accessories, and headgear, except safety	24.5	.8	21.2	—	13.4	—	3.0
303	Textiles and textile articles, n.e.c.	8.8	.2	8.7	—	15.4	.1	4.5
304	Footwear	30.5	—	S	S	44.0	—	6.0
305	Leather and articles, luggage of related materials, and dressed furskins and articles	15.9	—	36.2	—	27.6	—	7.4
311	Hydraulic cements	13.1	—	22.8	.3	9.2	—	18.1
312	Ceramic products	6.7	—	38.9	.2	9.9	—	10.6
313	Glass and glass products	8.0	—	11.1	—	10.7	—	16.1
319	Other nonmetallic mineral products	5.8	—	5.3	.4	7.3	.2	7.7
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	9.5	—	30.8	—	19.2	—	15.9
322	Flat-rolled products of iron or steel	16.0	.1	23.4	.2	22.9	.3	8.9
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	5.9	—	7.4	—	10.0	.2	9.7
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	6.5	.1	7.5	—	9.1	—	5.7
331	Pipes, tubes, and fittings	5.5	—	12.4	—	13.4	.1	8.9
332	Structures and parts, except prefabricated buildings	5.4	—	15.4	—	21.0	.1	6.9
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	7.6	—	7.4	—	10.1	—	8.0
339	Other articles of metal	6.6	—	7.9	—	9.3	—	12.3
341	Internal-combustion piston engines	23.9	.2	26.8	—	27.1	—	14.9
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	20.5	—	24.5	—	25.8	—	13.7
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	9.3	—	9.8	—	12.3	—	7.5
344	Air-conditioning, refrigerating, or freezing equipment	12.7	—	13.8	—	18.5	—	12.3
345	Materials-handling, excavating, boring, and related machinery and equipment	7.7	—	9.8	—	13.7	—	9.9
349	Other machinery	5.0	.1	5.1	—	7.4	—	4.9
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	13.5	—	10.7	—	13.9	—	10.2
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	17.8	—	31.7	—	27.2	—	17.3
353	Line telephone or telegraph apparatus	16.0	.1	21.6	—	27.0	—	7.4
354	Electronic entertainment products, except parts	32.6	.2	19.3	—	19.7	—	8.5
355	Computer and office equipment	20.6	.6	21.6	—	25.5	—	6.8
356	Prepared unrecorded or prerecorded media	24.7	—	25.3	—	30.4	—	6.4
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	21.7	.1	36.9	—	43.1	—	9.0
358	Electronic components and parts	22.2	.4	36.1	—	14.5	—	4.4
359	Other electronic and electrical equipment	10.0	.3	11.1	—	12.7	—	5.8
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	17.1	.4	16.8	—	24.9	—	16.2
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	17.6	.1	16.3	—	23.1	—	14.4
363	Other vehicles	11.9	—	12.9	—	12.4	—	9.9
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	6.1	.2	8.6	—	9.9	—	7.9
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	16.9	—	18.2	—	16.4	—	8.7
372	Aircraft and spacecraft	15.8	.1	19.9	—	14.5	—	7.5
373	Ships, boats, and floating structures	9.7	—	10.3	—	31.3	—	13.7
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	42.5	—	44.8	—	9.4
382	Photographic and photocopying machines	16.6	—	22.4	—	29.2	—	14.5
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	26.1	—	S	S	S	S	26.8
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	13.5	—	34.7	—	35.9	—	7.1

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	8.4	—	10.4	—	11.8	—	8.4
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.8	.2	8.0	—	6.3	—	4.3
401	Arms and ammunition	16.6	—	25.6	—	25.1	—	6.6
402	Toys, games, and sporting equipment	36.3	.2	37.4	—	23.2	—	6.1
409	Miscellaneous manufactured products	7.5	.3	7.6	—	7.5	.1	6.4
411	Metallic waste and scrap	6.9	—	4.9	—	9.7	—	10.2
412	Nonmetallic waste and scrap, except from food processing	14.6	—	15.1	—	15.0	—	10.0
439	Mixed freight	13.7	.6	15.2	.2	10.8	—	9.9
—	Commodity unknown	14.0	—	S	S	S	S	13.2

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	2.1	—	3.0	—	4.7	—	2.8
Single modes	2.3	.4	2.8	.5	4.0	1.0	3.1
Truck	2.1	.6	2.7	1.1	2.5	1.5	3.5
For-hire truck	2.8	.8	4.3	1.1	2.6	1.1	2.1
Private truck	3.2	.7	4.5	1.2	4.2	.5	6.1
Rail	9.4	.4	5.9	.7	6.0	1.2	3.7
Water	7.3	.1	8.3	.5	12.6	1.5	19.3
Shallow draft	6.9	.1	8.3	.4	10.8	.9	14.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	21.3	—	24.7	.3	28.4	1.1	20.3
Air (includes truck and air)	13.2	.3	15.5	—	18.2	—	2.5
Pipeline	10.4	.3	11.6	.8	S	S	S
Multiple modes	4.0	.4	11.6	.1	24.6	1.0	2.0
Parcel, U.S. Postal Service or courier	4.2	.4	4.7	—	2.8	—	2.0
Truck and rail	18.7	.1	14.4	—	11.6	.2	5.2
Truck and water	23.0	—	21.8	—	48.7	.7	S
Rail and water	24.8	—	24.7	—	21.4	.1	31.6
Other multiple modes	29.5	—	36.2	—	44.9	.5	S
Other and unknown modes	5.4	.2	14.5	.4	11.4	.2	16.6
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	19.2	—	30.9	—	25.0	—	10.6
Single modes	19.1	.3	30.9	.1	25.0	.3	10.7
Truck	19.1	.3	30.9	.1	25.0	.3	20.3
For-hire truck	29.3	6.3	31.8	7.1	32.6	6.7	9.6
Private truck	27.7	6.3	47.6	7.1	36.7	6.7	23.3
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	20.7
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.7
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	39.0
SCTG 02, CEREAL GRAINS							
Total	24.0	—	21.1	—	21.2	—	14.3
Single modes	15.2	7.1	13.8	7.2	22.9	3.8	13.3
Truck	11.4	6.4	10.8	6.5	13.6	5.7	15.3
For-hire truck	13.6	4.8	13.5	4.9	19.6	4.6	14.6
Private truck	15.1	3.4	14.4	3.4	17.0	2.7	21.8
Rail	18.5	2.9	15.9	2.9	25.0	3.4	11.4
Water	35.2	4.9	33.8	5.0	34.9	5.6	15.7
Shallow draft	37.8	4.6	38.4	4.8	27.6	5.2	17.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	19.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.6
Truck and rail	S	S	S	S	S	S	24.6
Truck and water	S	S	S	S	S	S	21.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	7.4	—	13.1	—	13.9	—	25.7
Single modes	8.1	1.7	14.8	3.3	14.0	2.6	24.1
Truck	6.4	3.0	10.9	4.8	19.7	5.5	23.8
For-hire truck	8.7	2.4	17.4	3.1	23.6	4.9	4.5
Private truck	8.4	3.0	10.9	3.7	13.5	2.2	16.3
Rail	27.0	1.2	35.4	2.4	34.8	2.9	15.3
Water	39.4	3.0	39.3	5.0	30.1	5.1	26.5
Shallow draft	44.5	2.6	40.9	4.3	32.1	5.1	26.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	26.0
Air (includes truck and air)	27.6	—	24.9	—	26.1	—	8.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	19.6	.3	S	S	31.9	1.0	6.6
Parcel, U.S. Postal Service or courier	26.0	.3	44.7	—	49.4	.3	7.0
Truck and rail	48.5	.2	S	S	37.5	1.0	23.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	27.8	1.7	34.5	3.4	S	S	48.2
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	11.3	—	6.5	—	9.3	—	33.4
Single modes	11.9	1.4	6.7	.9	9.9	1.1	24.3
Truck	12.1	1.7	6.3	1.5	9.8	3.8	22.8
For-hire truck	15.0	3.1	13.6	2.4	16.6	4.1	7.0
Private truck	13.7	3.3	6.7	2.5	8.9	4.2	21.0
Rail	24.3	.8	20.8	.8	24.1	2.5	12.9
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	21.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	25.2	1.1	39.8	.7	23.3	.9	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	34.4	1.0	34.6	.2	30.3	.9	24.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	47.1	.3	S	S	S	S	20.5
Other and unknown modes	19.3	.6	30.5	.6	38.1	.7	48.8
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	4.4	—	5.4	—	7.3	—	17.6
Single modes	4.4	.4	5.5	.4	7.5	.4	14.3
Truck	4.5	.8	5.7	.8	7.7	1.0	12.5
For-hire truck	6.8	1.7	7.6	1.7	8.5	1.6	3.7
Private truck	4.8	2.0	6.3	2.1	8.5	1.5	11.4
Rail	S	S	S	S	42.2	.8	17.6
Water	S	S	S	S	S	S	27.9
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	19.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	46.7	—	41.8	—	S	S	14.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	15.1
Truck and rail	S	S	48.6	—	S	S	22.2
Truck and water	S	S	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	21.7	.4	21.2	.4	16.8	.3	32.5

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	11.4	—	6.8	—	7.3	—	22.3
Single modes	11.5	.2	6.8	.3	7.2	.5	21.7
Truck	11.7	.6	7.3	1.3	8.8	3.1	21.6
For-hire truck	10.5	3.3	12.6	3.3	10.6	3.7	8.5
Private truck	16.2	3.2	8.8	2.7	9.1	1.6	22.8
Rail	17.5	.4	15.1	1.2	15.6	2.9	8.2
Water	S	S	S	S	S	S	22.6
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	18.1	.1	21.8	.1	24.2	.5	12.4
Parcel, U.S. Postal Service or courier	22.4	—	24.1	—	24.6	—	13.8
Truck and rail	23.4	.1	23.4	.1	26.4	.5	14.1
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	28.6	.2	28.3	.2	35.6	.2	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	6.9	—	5.7	—	6.7	—	19.2
Single modes	7.2	.7	6.1	1.0	7.5	2.5	5.9
Truck	7.3	.7	6.3	1.4	6.8	2.5	5.9
For-hire truck	5.2	2.0	9.1	2.3	9.1	2.5	7.6
Private truck	11.3	2.5	9.0	2.8	11.1	2.7	6.4
Rail	12.3	.3	12.4	.7	17.3	1.9	10.3
Water	39.1	.3	37.9	.9	43.2	1.7	S
Shallow draft	39.1	.3	37.9	.9	43.2	1.7	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	41.0	—	37.8	—	41.2	—	20.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	21.0	.4	34.1	.8	33.5	2.4	8.1
Parcel, U.S. Postal Service or courier	35.7	.1	33.5	—	34.5	—	8.5
Truck and rail	23.0	.2	37.3	.2	21.9	.5	17.7
Truck and water	49.5	.4	49.5	.8	S	S	27.1
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	26.5
Other and unknown modes	24.9	.3	25.6	.3	31.5	.3	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	4.2	—	5.8	—	14.7	—	3.4
Single modes	4.3	.5	5.9	.6	15.4	2.7	3.2
Truck	3.9	.8	5.2	1.0	13.3	2.5	3.1
For-hire truck	17.7	3.1	17.7	3.5	20.5	6.6	40.0
Private truck	4.8	3.7	5.8	4.0	25.0	7.5	2.8
Rail	36.2	.8	S	S	48.0	2.3	19.4
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	20.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	39.4	.3	S	S	S	S	49.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.2
Truck and rail	40.6	.3	S	S	S	S	S
Truck and water	S	S	S	S	S	S	28.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	28.1	.3	30.0	.3	S	S	13.9

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	17.7	—	29.8	—	23.8	—	18.6
Single modes	17.9	.9	30.4	.9	23.2	1.6	9.8
Truck	17.9	.9	30.4	.9	23.2	1.6	9.8
For-hire truck	24.1	6.3	19.1	8.0	26.4	4.6	8.7
Private truck	30.4	6.1	43.6	8.3	28.3	3.9	15.9
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	49.3
Shallow draft	S	S	S	S	S	S	36.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	20.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	32.4	.8	33.6	.4	S	S	11.0
Parcel, U.S. Postal Service or courier	25.5	.8	23.6	.4	25.6	1.5	11.0
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	25.5
Other and unknown modes	26.9	.3	39.4	.9	40.9	.5	33.8
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	20.1	—	23.9	—	18.9	—	28.3
Single modes	19.5	1.5	24.0	.3	18.6	1.2	35.8
Truck	19.6	1.6	24.2	1.3	19.2	2.5	35.0
For-hire truck	25.9	6.8	27.8	7.6	27.1	6.6	11.2
Private truck	30.6	7.5	33.9	7.7	24.4	6.7	S
Rail	S	S	S	S	S	S	21.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	19.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.6
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 11, NATURAL SANDS							
Total	11.3	—	15.4	—	16.3	—	19.4
Single modes	11.5	.7	15.7	.6	16.2	1.9	16.2
Truck	12.7	3.0	17.2	3.6	19.7	7.1	14.1
For-hire truck	9.1	3.1	19.8	4.7	20.7	5.6	14.3
Private truck	23.1	4.2	21.2	4.7	22.4	4.0	13.9
Rail	27.8	2.6	37.7	1.7	34.1	3.8	49.3
Water	37.8	.8	43.1	2.6	46.8	5.1	27.5
Shallow draft	37.8	.8	43.1	2.6	46.8	5.1	27.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	20.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.4
Truck and rail	S	S	S	S	S	S	26.0
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	24.4	.6	26.5	.6	47.1	1.9	S

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	8.6	—	8.2	—	9.0	—	8.9
Single modes	8.8	.3	8.4	.3	9.1	.3	9.0
Truck	9.5	1.1	9.2	1.5	9.0	4.5	9.0
For-hire truck	13.8	2.4	10.4	2.5	10.6	2.8	7.9
Private truck	11.0	2.6	13.4	3.1	12.7	3.7	14.4
Rail	16.6	1.0	21.8	1.4	24.5	3.8	12.3
Water	31.0	.5	34.1	.6	43.5	3.2	23.0
Shallow draft	31.0	.5	34.1	.6	43.5	3.2	23.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	35.5	—	37.0	—	S	S	21.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	S	S	S	S	S	S	21.4
Rail and water	S	S	S	S	S	S	22.6
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	27.0	.3	27.6	.3	34.1	.3	18.2
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	12.4	—	19.4	—	20.2	—	15.3
Single modes	12.8	1.6	18.9	.5	20.0	2.8	16.6
Truck	17.0	3.2	29.6	4.5	11.6	3.9	18.6
For-hire truck	14.2	3.5	19.3	3.5	11.8	3.4	14.6
Private truck	39.8	4.2	46.9	4.8	29.0	1.7	33.1
Rail	7.3	2.1	11.3	3.6	11.5	5.1	11.4
Water	41.5	1.2	S	S	S	S	20.2
Shallow draft	39.2	1.1	S	S	S	S	19.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	23.7
Air (includes truck and air)	S	S	S	S	S	S	20.3
Pipeline	30.9	1.0	35.1	2.6	S	S	S
Multiple modes	S	S	S	S	S	S	24.1
Parcel, U.S. Postal Service or courier	45.2	.2	S	S	46.2	—	23.3
Truck and rail	S	S	S	S	S	S	19.3
Truck and water	S	S	S	S	S	S	22.0
Rail and water	S	S	S	S	S	S	21.8
Other multiple modes	S	S	S	S	1.5	—	22.4
Other and unknown modes	29.6	.4	31.9	.3	28.3	.3	44.9
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	21.7	—	30.2	—	34.4	—	11.7
Single modes	23.8	3.0	30.8	3.9	37.6	7.7	13.3
Truck	24.0	5.9	35.1	7.5	42.7	8.9	16.4
For-hire truck	30.2	5.8	41.2	7.0	49.1	6.7	26.8
Private truck	19.4	4.6	39.9	4.4	23.9	4.3	22.7
Rail	34.4	3.5	29.9	5.5	38.5	6.9	17.2
Water	S	S	S	S	50.0	5.8	36.4
Shallow draft	49.2	1.3	49.1	2.0	49.0	5.4	23.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	24.8
Air (includes truck and air)	S	S	S	S	S	S	18.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	31.8	2.0	44.8	2.2	38.9	5.6	22.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	S	S	48.4	2.2	43.8	5.6	20.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	45.6

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	8.0	—	8.0	—	10.7	—	28.4
Single modes	8.4	1.6	9.1	2.3	10.4	2.0	31.2
Truck	22.7	3.1	24.1	3.3	24.3	.5	19.0
For-hire truck	25.3	2.7	26.3	2.7	22.7	.5	20.0
Private truck	35.2	1.1	38.6	1.5	48.3	.2	S
Rail	9.7	3.4	10.7	3.6	11.8	3.7	5.7
Water	20.5	1.9	21.2	1.9	30.0	2.2	14.5
Shallow draft	20.5	1.9	21.2	1.9	30.0	2.2	15.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	21.9	1.3	22.3	1.3	24.7	2.1	21.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	38.9	.1	21.9
Truck and water	36.3	.8	39.3	.8	39.6	1.4	26.2
Rail and water	28.2	.7	26.8	.6	24.6	1.0	18.3
Other multiple modes	S	S	S	S	S	S	20.0
Other and unknown modes	13.2	.9	12.8	1.8	16.2	.5	S
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	4.7	—	10.7	—	26.0	—	7.2
Single modes	4.8	.5	10.8	.3	22.6	2.9	7.4
Truck	6.6	2.6	9.4	3.8	14.6	6.2	7.7
For-hire truck	17.1	2.6	21.9	3.0	22.2	4.3	9.7
Private truck	4.1	1.8	8.4	1.9	14.8	2.5	9.8
Rail	S	S	S	S	50.0	—	48.1
Water	16.6	1.3	29.8	1.9	39.7	6.4	13.5
Shallow draft	23.1	1.2	24.2	1.5	36.7	4.5	21.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	27.0	.7	47.9	1.5	48.9	4.9	16.9
Air (includes truck and air)	S	S	S	S	S	S	20.6
Pipeline	9.7	2.4	15.9	3.3	S	S	S
Multiple modes	46.4	.4	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	34.5	.1	33.0	.1	S	S	S
Other and unknown modes	33.2	.2	32.6	.1	30.4	—	S
SCTG 18, FUEL OILS							
Total	9.3	—	10.4	—	18.4	—	7.6
Single modes	9.5	1.3	10.9	1.4	13.7	5.6	8.1
Truck	7.5	3.6	7.8	3.6	11.2	4.5	8.4
For-hire truck	13.5	2.2	12.5	1.9	16.6	2.7	8.7
Private truck	9.3	2.6	9.9	2.6	14.7	2.7	7.6
Rail	38.4	.2	38.2	.2	34.5	.8	18.8
Water	13.6	1.9	16.4	2.5	19.4	5.6	26.7
Shallow draft	18.7	1.9	22.2	2.5	21.3	4.8	31.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	28.6	.8	35.9	1.4	S	S	42.2
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	21.9	4.2	23.5	4.3	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	23.2
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	31.3	.3	31.2	.3	42.4	.3	25.8

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	7.8	—	8.5	—	8.7	—	18.1
Single modes	8.2	1.0	8.9	1.3	9.1	1.0	20.0
Truck	9.0	2.9	14.0	3.2	25.9	3.9	21.4
For-hire truck	9.4	1.5	25.4	2.8	9.9	1.9	12.5
Private truck	15.9	3.1	15.8	2.5	S	S	27.9
Rail	21.1	2.3	13.7	1.8	14.5	4.6	7.7
Water	19.4	2.6	18.1	3.1	22.5	4.7	21.5
Shallow draft	22.4	2.5	20.2	2.9	18.0	3.4	15.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	31.7	1.1	37.0	1.2	46.8	4.8	21.7
Air (includes truck and air)	S	S	S	S	S	S	20.3
Pipeline	13.3	1.9	11.1	2.0	S	S	S
Multiple modes	45.2	.5	46.0	.3	43.3	1.0	15.4
Parcel, U.S. Postal Service or courier	24.4	—	26.2	—	34.3	—	12.9
Truck and rail	S	S	S	S	S	S	17.2
Truck and water	S	S	S	S	S	S	29.7
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.3
Other and unknown modes	26.8	.9	41.1	1.2	27.4	.3	S
SCTG 20, BASIC CHEMICALS							
Total	17.8	—	10.5	—	17.6	—	13.7
Single modes	18.1	.7	10.6	1.0	18.2	1.0	9.6
Truck	17.4	1.9	14.7	1.9	30.4	1.8	9.4
For-hire truck	21.3	1.6	21.0	1.4	36.4	1.6	4.4
Private truck	6.8	.9	17.3	1.8	16.4	.9	13.2
Rail	33.2	2.2	21.6	2.0	24.5	2.9	4.6
Water	12.9	2.1	10.9	2.7	21.1	4.3	13.6
Shallow draft	12.9	1.7	10.0	2.1	17.6	3.3	13.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	30.1	.8	32.7	1.6	49.4	3.2	47.9
Air (includes truck and air)	S	S	S	S	S	S	5.8
Pipeline	27.0	2.7	17.7	2.9	S	S	S
Multiple modes	15.1	.3	27.2	.2	29.6	.9	16.1
Parcel, U.S. Postal Service or courier	28.4	.3	31.2	—	33.9	—	16.7
Truck and rail	24.9	.2	23.4	—	27.4	.3	10.2
Truck and water	S	S	S	S	S	S	37.4
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	33.0	—	S	S	S	S	33.8
Other and unknown modes	19.8	.6	24.6	.9	27.3	.6	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	9.2	—	19.3	—	33.4	—	8.9
Single modes	11.1	3.0	19.8	1.1	34.6	1.9	15.7
Truck	12.7	3.4	18.8	1.5	30.0	3.1	18.6
For-hire truck	15.0	3.4	27.2	4.7	33.6	3.5	12.7
Private truck	13.7	2.5	29.7	4.8	21.9	2.7	27.3
Rail	S	S	S	S	S	S	21.4
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	42.2	3.1	24.7	.4	27.4	1.3	8.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	12.8	2.8	10.6	1.1	12.5	1.8	7.5
Parcel, U.S. Postal Service or courier	12.8	2.8	10.8	1.0	13.5	1.6	7.5
Truck and rail	32.4	—	27.8	—	32.3	.3	17.3
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	31.1	.4	S	S	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	7.3	—	11.8	—	9.8	—	6.7
Single modes	7.3	2.2	12.3	2.0	7.0	3.0	7.5
Truck	11.5	3.0	9.8	3.1	13.5	3.0	8.2
For-hire truck	11.6	1.8	12.9	1.5	20.6	2.8	13.4
Private truck	18.1	3.0	12.1	2.7	10.5	.7	6.1
Rail	9.2	3.4	20.9	5.1	11.5	5.0	7.6
Water	32.6	3.1	30.9	3.4	39.2	4.4	24.0
Shallow draft	28.7	2.2	30.9	2.7	39.0	4.1	29.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	31.9
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	45.2	1.0	40.5	.9	S	S	S
Multiple modes	45.9	.3	48.4	.3	S	S	18.9
Parcel, U.S. Postal Service or courier	S	S	34.0	—	30.0	—	20.6
Truck and rail	S	S	S	S	S	S	22.3
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	S	S	48.3	1.8	S	S	S
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	5.5	—	7.0	—	12.1	—	13.3
Single modes	5.6	.8	7.7	2.0	12.1	1.6	8.0
Truck	5.2	1.8	7.4	2.8	11.0	3.1	8.2
For-hire truck	5.5	1.8	10.1	2.9	12.4	2.8	3.8
Private truck	9.4	1.7	8.3	2.2	12.0	1.2	10.7
Rail	22.9	1.2	18.5	1.3	19.2	2.1	6.7
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.5
Air (includes truck and air)	20.5	—	25.4	—	41.3	—	7.2
Pipeline	S	S	42.3	.4	S	S	S
Multiple modes	12.6	.7	25.1	.4	27.2	1.1	9.4
Parcel, U.S. Postal Service or courier	14.3	.6	11.6	—	10.4	—	9.4
Truck and rail	27.4	.4	32.8	.5	30.1	1.2	10.9
Truck and water	S	S	S	S	S	S	22.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	23.0
Other and unknown modes	14.2	.5	40.1	1.9	45.6	1.2	28.7
SCTG 24, PLASTICS AND RUBBER							
Total	3.7	—	4.6	—	6.5	—	4.6
Single modes	3.5	.6	4.6	1.5	6.3	1.2	5.6
Truck	3.7	.9	4.5	1.7	5.6	2.3	5.4
For-hire truck	4.3	1.0	5.2	1.6	5.5	2.0	3.5
Private truck	5.3	1.0	6.9	1.0	9.5	.5	8.6
Rail	6.8	.9	8.6	2.2	9.5	2.8	3.4
Water	S	S	S	S	S	S	30.1
Shallow draft	S	S	S	S	S	S	29.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.9
Air (includes truck and air)	15.4	—	35.9	—	32.3	—	5.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	12.0	.5	25.7	.5	28.7	1.1	3.2
Parcel, U.S. Postal Service or courier	8.8	.4	10.0	—	8.9	—	3.2
Truck and rail	39.9	.6	32.9	.5	32.3	1.2	9.2
Truck and water	S	S	S	S	S	S	20.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	15.1	.5	S	S	27.2	.5	24.3

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	9.5	—	14.6	—	18.5	—	15.5
Single modes	9.6	1.1	14.7	.5	18.3	1.3	5.6
Truck	10.0	1.8	15.2	2.6	17.8	5.8	5.6
For-hire truck	16.1	4.0	29.6	5.0	34.4	5.3	8.2
Private truck	10.3	3.7	14.0	4.7	13.3	5.7	7.1
Rail	32.3	1.4	S	S	S	S	S
Water	S	S	S	S	S	S	22.0
Shallow draft	S	S	S	S	S	S	22.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	18.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.9
Truck and rail	S	S	S	S	S	S	23.0
Truck and water	S	S	S	S	S	S	21.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	35.6	.7	29.2	.3	28.1	.4	S
SCTG 26, WOOD PRODUCTS							
Total	7.0	—	13.1	—	17.0	—	8.9
Single modes	7.2	.5	13.3	.3	17.5	.9	4.5
Truck	5.1	1.3	11.8	2.4	10.4	2.6	4.2
For-hire truck	8.7	1.5	15.6	3.1	12.9	2.0	5.1
Private truck	4.3	1.9	16.2	3.6	9.9	1.7	7.0
Rail	30.4	1.3	34.9	1.5	33.9	2.4	6.9
Water	S	S	S	S	S	S	26.1
Shallow draft	S	S	S	S	S	S	24.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	43.1	—	37.0	—	34.7	—	14.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	21.2	.3	30.9	.1	30.2	.8	6.6
Parcel, U.S. Postal Service or courier	26.8	.3	23.6	—	26.3	—	6.6
Truck and rail	21.6	—	33.3	.1	31.3	.8	20.8
Truck and water	S	S	S	S	S	S	21.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	16.5	.4	14.3	.2	26.1	.5	18.7
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	5.7	—	4.2	—	5.3	—	7.7
Single modes	5.8	.4	4.3	.6	5.4	.6	5.4
Truck	7.4	1.4	5.7	1.5	7.0	1.8	4.8
For-hire truck	7.3	1.8	6.6	1.8	7.9	2.0	5.7
Private truck	15.2	1.7	11.1	1.1	14.9	.6	6.5
Rail	4.4	1.3	5.2	1.7	6.7	2.0	2.4
Water	S	S	S	S	S	S	22.0
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	23.2
Air (includes truck and air)	S	S	S	S	S	S	13.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	13.5	.3	26.2	.4	18.9	.5	13.1
Parcel, U.S. Postal Service or courier	19.4	.1	17.0	—	30.7	—	15.2
Truck and rail	19.1	.2	29.6	.4	20.3	.5	13.1
Truck and water	S	S	S	S	S	S	26.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	18.4	.2	26.8	.3	27.6	.2	15.3

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	5.1	—	4.8	—	7.3	—	8.4
Single modes	5.2	.6	5.0	.3	7.6	.6	11.3
Truck	5.2	.6	4.9	.8	7.7	2.1	12.6
For-hire truck	7.4	2.0	5.5	1.6	7.3	2.1	8.0
Private truck	6.6	1.9	6.5	1.4	12.3	1.0	22.0
Rail	36.3	.3	34.5	.9	36.6	2.4	22.0
Water	S	S	S	S	S	S	30.4
Shallow draft	S	S	S	S	S	S	46.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	38.3	—	S	S	42.7	—	12.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	12.4	.5	11.7	.1	13.1	.4	8.0
Parcel, U.S. Postal Service or courier	13.2	.4	12.5	—	21.2	.1	8.1
Truck and rail	17.0	—	17.0	—	15.0	.3	13.8
Truck and water	S	S	S	S	S	S	21.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	12.3	.3	10.8	.3	19.7	.4	27.2
SCTG 29, PRINTED PRODUCTS							
Total	4.8	—	8.8	—	6.5	—	11.7
Single modes	4.5	1.7	8.9	1.4	7.0	1.4	11.2
Truck	4.5	1.7	8.9	1.4	7.1	1.4	11.8
For-hire truck	8.1	2.0	13.0	3.0	7.1	2.4	8.4
Private truck	5.1	1.9	13.0	3.1	33.0	2.6	12.2
Rail	S	S	48.6	—	34.2	.2	S
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.8
Air (includes truck and air)	20.0	.3	16.1	—	18.9	.3	11.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	11.4	1.7	11.8	.3	11.8	1.4	5.0
Parcel, U.S. Postal Service or courier	11.5	1.7	13.4	.4	13.7	1.3	5.0
Truck and rail	31.2	.1	34.1	.1	38.6	1.1	17.2
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	11.7	.8	21.5	1.3	46.0	1.2	S
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	10.2	—	5.8	—	7.5	—	2.4
Single modes	11.4	.9	6.0	.5	7.1	1.0	3.8
Truck	11.5	.9	6.1	.6	7.5	1.5	3.3
For-hire truck	10.9	2.3	6.5	2.5	8.1	2.2	2.0
Private truck	16.3	2.5	13.4	2.6	20.7	2.4	10.1
Rail	45.9	—	S	S	49.6	1.5	20.9
Water	S	S	S	S	S	S	25.2
Shallow draft	S	S	S	S	S	S	23.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	14.1	—	31.8	—	42.6	.1	8.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	6.5	.7	14.2	.3	30.6	1.0	1.7
Parcel, U.S. Postal Service or courier	5.2	.6	5.3	.1	6.1	.2	1.7
Truck and rail	S	S	48.6	.2	S	S	13.4
Truck and water	S	S	S	S	S	S	23.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	11.5	.3	21.5	.4	19.8	.4	25.2

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	3.8	—	4.8	—	4.7	—	9.0
Single modes	3.8	.6	4.9	.3	4.8	.8	5.9
Truck	3.5	.9	5.1	.5	4.7	1.5	6.2
For-hire truck	4.0	1.0	9.2	1.8	5.2	1.4	4.7
Private truck	4.5	1.2	6.4	2.0	9.4	1.8	7.5
Rail	10.0	.2	10.3	.3	12.7	1.5	8.9
Water	35.0	.1	37.2	.3	44.2	.5	S
Shallow draft	35.0	.1	37.2	.3	44.2	.5	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	14.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	14.5	.4	23.3	.2	21.9	.5	5.2
Parcel, U.S. Postal Service or courier	16.8	.3	13.7	—	13.1	—	5.3
Truck and rail	34.4	.2	25.8	.2	24.6	.5	28.8
Truck and water	S	S	S	S	46.5	—	S
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	19.0	.5	12.8	.2	18.1	.7	16.2
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	3.8	—	9.5	—	7.6	—	4.8
Single modes	4.1	.5	10.0	1.2	8.1	1.8	6.9
Truck	2.9	1.7	5.7	2.9	5.6	3.4	7.2
For-hire truck	3.4	1.5	6.1	2.0	6.0	3.0	4.0
Private truck	4.9	1.2	7.9	2.0	8.6	.7	9.0
Rail	20.1	1.6	31.5	2.3	14.0	2.4	13.7
Water	S	S	S	S	48.1	1.3	19.9
Shallow draft	S	S	S	S	48.1	1.3	19.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	32.9	—	36.1	—	37.3	—	7.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	14.5	.3	41.5	.4	44.9	1.4	7.6
Parcel, U.S. Postal Service or courier	17.0	.3	14.3	—	10.7	—	7.7
Truck and rail	24.3	—	33.0	—	32.8	.2	13.7
Truck and water	S	S	S	S	S	S	38.6
Rail and water	—	—	—	—	—	—	22.9
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	13.0	.4	24.1	1.0	22.8	1.2	28.0
SCTG 33, ARTICLES OF BASE METAL							
Total	3.0	—	7.9	—	10.5	—	6.1
Single modes	3.4	1.0	8.3	.6	11.2	1.7	7.6
Truck	3.4	1.2	7.5	1.8	10.0	3.5	8.0
For-hire truck	4.4	1.3	9.6	2.7	8.3	3.6	5.5
Private truck	3.6	1.0	10.4	2.1	24.6	2.2	16.2
Rail	29.7	.7	28.2	1.5	28.0	2.5	13.5
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	22.3	.2	29.5	—	33.9	.1	5.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	8.3	.8	17.4	.3	31.1	1.1	5.7
Parcel, U.S. Postal Service or courier	8.4	.8	11.5	.2	19.7	.5	5.7
Truck and rail	29.0	—	26.2	—	29.1	.1	16.5
Truck and water	49.5	—	S	S	S	S	17.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	11.1	.5	12.3	.5	35.7	1.5	16.1

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	4.8	—	3.8	—	4.3	—	4.5
Single modes	5.0	.8	3.9	.8	4.4	1.3	6.3
Truck	5.2	1.1	4.3	1.4	4.9	1.9	6.8
For-hire truck	7.1	1.7	5.8	2.2	5.7	2.2	6.2
Private truck	8.7	1.7	9.2	2.0	13.8	1.3	10.8
Rail	49.7	.6	48.0	.7	34.7	.8	15.3
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	15.3	.3	12.3	—	13.1	—	2.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	7.1	.7	12.2	.4	23.7	1.2	4.1
Parcel, U.S. Postal Service or courier	7.0	.6	9.0	.2	9.7	.2	4.2
Truck and rail	36.9	.2	44.3	.3	44.6	1.1	13.9
Truck and water	S	S	S	S	40.3	.2	19.1
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	10.3	.4	11.3	.5	12.3	.3	12.5
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	9.6	—	8.0	—	8.1	—	5.0
Single modes	12.6	2.4	8.2	.8	8.6	1.0	9.7
Truck	13.8	2.6	8.3	.7	8.8	1.2	13.7
For-hire truck	17.1	3.0	9.2	2.2	8.8	2.6	6.4
Private truck	11.9	1.5	12.5	1.9	34.0	2.7	15.5
Rail	38.2	.1	33.1	.3	29.0	.5	13.9
Water	S	S	S	S	S	S	20.9
Shallow draft	S	S	S	S	S	S	21.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	12.3	.9	16.2	.2	16.6	.3	2.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	9.2	2.2	7.9	.5	9.1	1.0	3.5
Parcel, U.S. Postal Service or courier	9.3	2.1	8.6	.4	7.0	.5	3.5
Truck and rail	36.2	—	31.4	.2	34.7	.7	9.6
Truck and water	S	S	S	S	S	S	19.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	10.2	.7	17.5	.6	22.9	.3	21.0
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	7.7	—	7.3	—	8.6	—	7.6
Single modes	7.5	2.6	7.3	2.1	8.0	2.6	8.9
Truck	5.9	3.3	7.1	2.6	7.5	3.7	8.7
For-hire truck	6.5	2.4	7.4	2.0	8.1	3.1	7.2
Private truck	8.8	1.8	10.7	1.8	13.2	2.0	8.8
Rail	28.1	1.9	22.4	1.2	24.0	2.5	18.3
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	19.4	.1	24.6	—	28.0	.1	5.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	23.9	1.5	31.9	1.3	36.3	2.6	4.3
Parcel, U.S. Postal Service or courier	9.8	.4	8.3	.2	8.9	.1	4.3
Truck and rail	36.2	1.6	40.0	1.3	41.1	2.6	18.8
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.0
Other and unknown modes	22.9	2.5	18.1	2.0	20.2	1.4	20.9

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	11.8	—	13.5	—	12.6	—	6.1
Single modes	12.9	2.2	14.2	1.6	11.8	4.1	9.4
Truck	14.1	4.0	15.1	5.7	9.5	5.8	19.1
For-hire truck	19.5	4.1	17.3	4.3	11.0	4.5	8.3
Private truck	22.0	3.3	23.2	4.6	18.3	3.6	28.3
Rail	18.3	1.6	23.7	5.6	20.5	5.4	17.8
Water	36.3	.7	S	S	S	S	25.0
Shallow draft	42.0	.7	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.7
Air (includes truck and air)	27.9	2.7	18.9	.4	17.7	.7	4.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	19.5	2.3	15.9	.5	28.5	1.3	5.8
Parcel, U.S. Postal Service or courier	20.2	2.3	23.3	.4	23.2	.8	5.8
Truck and rail	47.9	.2	34.3	.4	41.3	1.2	19.2
Truck and water	S	S	S	S	S	S	25.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	22.0	.9	36.3	1.6	S	S	35.3
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	19.1	—	16.6	—	19.7	—	7.6
Single modes	6.9	3.6	21.1	3.8	23.9	4.5	11.9
Truck	7.3	3.0	22.2	3.9	26.0	4.5	8.8
For-hire truck	10.1	2.8	26.1	4.0	27.2	4.6	15.1
Private truck	13.6	2.2	14.2	2.4	32.9	1.2	22.0
Rail	S	S	S	S	S	S	21.5
Water	S	S	S	S	S	S	22.9
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	12.8	1.4	S	S	33.5	1.8	7.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	34.2	3.6	23.1	2.9	26.5	4.1	6.5
Parcel, U.S. Postal Service or courier	34.3	3.6	23.7	2.8	28.6	3.3	6.5
Truck and rail	S	S	S	S	S	S	21.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	21.6	.5	35.9	1.8	46.8	2.1	36.2
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	10.8	—	8.0	—	6.3	—	4.3
Single modes	11.2	.6	8.1	.4	6.4	.8	5.9
Truck	11.2	.5	8.2	.4	6.4	.9	5.9
For-hire truck	6.5	3.2	6.6	3.0	6.4	2.4	2.2
Private truck	23.1	3.4	16.7	3.2	16.6	2.6	10.7
Rail	25.3	—	30.4	—	31.5	.3	14.3
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	46.0	.3	34.6	—	32.1	—	19.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	17.1	.5	17.8	.2	19.7	.5	5.4
Parcel, U.S. Postal Service or courier	19.2	.4	23.2	.2	28.6	.5	5.5
Truck and rail	27.3	—	27.2	.1	34.4	.3	15.6
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	16.5	.3	14.4	.2	31.5	.5	48.2

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	7.6	—	7.5	—	7.4	—	5.4
Single modes	9.4	1.5	7.7	1.0	8.0	1.4	10.5
Truck	6.6	2.1	7.7	1.1	8.0	1.6	13.3
For-hire truck	5.4	2.5	7.8	3.4	9.1	2.5	6.0
Private truck	14.5	2.5	15.2	3.5	10.6	1.6	26.6
Rail	S	S	28.7	.7	23.8	1.4	10.6
Water	S	S	S	S	S	S	24.8
Shallow draft	S	S	S	S	S	S	43.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	15.2	—	17.3	—	3.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	7.9	1.4	9.0	.3	9.6	.7	3.7
Parcel, U.S. Postal Service or courier	8.0	1.4	9.3	.2	10.3	.3	3.8
Truck and rail	29.2	.2	26.8	.2	22.7	.5	11.9
Truck and water	S	S	S	S	S	S	20.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	13.4	.4	32.5	.9	32.1	1.1	25.9
SCTG 41, WASTE AND SCRAP							
Total	5.7	—	6.2	—	7.9	—	8.6
Single modes	5.8	1.0	5.6	1.2	8.1	1.6	8.0
Truck	7.6	2.4	7.2	2.6	10.9	2.9	9.1
For-hire truck	7.2	2.6	8.7	2.4	11.3	2.6	5.8
Private truck	17.9	3.2	12.1	2.2	22.1	1.6	17.5
Rail	13.0	2.3	9.6	2.4	12.3	3.2	10.6
Water	25.6	.7	26.6	1.0	33.4	2.2	16.9
Shallow draft	29.3	.7	31.1	.9	36.1	2.2	17.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	35.7	.9	48.3	.8	36.5	1.5	14.2
Parcel, U.S. Postal Service or courier	S	S	S	S	46.0	—	20.9
Truck and rail	30.8	.6	34.3	.2	37.2	1.0	15.4
Truck and water	S	S	S	S	S	S	21.1
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	32.3	.6	S	S	46.4	.7	32.5
SCTG 43, MIXED FREIGHT							
Total	13.7	—	15.2	—	10.8	—	9.9
Single modes	14.0	.9	15.5	.9	11.0	1.5	9.3
Truck	14.0	.9	15.5	.9	11.0	1.5	9.2
For-hire truck	12.6	2.3	11.4	2.2	13.2	3.9	12.8
Private truck	16.1	2.3	17.9	2.1	14.3	3.6	9.4
Rail	S	S	S	S	S	S	22.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	17.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	36.1	.5	S	S	S	S	21.3
Parcel, U.S. Postal Service or courier	37.3	.5	S	S	S	S	21.3
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	36.0	.7	49.3	.9	47.7	.9	S

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	14.0	—	S	S	S	S	13.2
Single modes	14.8	2.2	S	S	S	S	21.0
Truck	15.5	2.9	S	S	S	S	8.8
For-hire truck	19.7	4.3	18.4	6.4	19.4	8.0	8.1
Private truck	29.2	5.2	S	S	S	S	14.6
Rail	36.0	.9	39.3	2.5	43.5	4.5	17.7
Water	S	S	S	S	S	S	22.2
Shallow draft	S	S	S	S	S	S	22.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	40.0	.3	43.1	—	40.1	—	13.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	22.4	1.6	S	S	S	S	8.2
Parcel, U.S. Postal Service or courier	16.8	1.5	22.7	.2	22.8	.5	8.2
Truck and rail	S	S	S	S	S	S	22.1
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	27.3	1.6	S	S	39.7	1.6	24.5

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	2.1	3.0	4.7
Less than 50 miles	2.5	3.4	2.8
50 to 99 miles	6.2	6.1	6.3
100 to 249 miles	3.9	4.6	5.6
250 to 499 miles	3.6	6.6	6.3
500 to 749 miles	2.0	6.9	7.8
750 to 999 miles	2.7	9.8	9.2
1,000 to 1,499 miles	8.1	12.6	15.0
1,500 to 1,999 miles	6.6	6.1	6.9
2,000 miles or more	5.4	6.0	6.0
SCTG 01, Live animals and live fish	19.2	30.9	25.0
Less than 50 miles	23.6	37.2	31.8
50 to 99 miles	28.6	S	S
100 to 249 miles	49.6	S	S
250 to 499 miles	23.3	28.1	30.5
500 to 749 miles	42.4	45.8	48.3
750 to 999 miles	43.0	42.6	41.8
1,000 to 1,499 miles	31.1	31.0	31.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	24.0	21.1	21.2
Less than 50 miles	31.8	27.8	30.3
50 to 99 miles	22.5	23.7	22.5
100 to 249 miles	17.8	15.6	15.1
250 to 499 miles	16.4	17.7	19.0
500 to 749 miles	39.0	32.1	32.5
750 to 999 miles	38.0	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	7.4	13.1	13.9
Less than 50 miles	9.8	17.7	19.9
50 to 99 miles	8.9	13.7	17.6
100 to 249 miles	15.9	24.4	33.1
250 to 499 miles	14.2	22.8	23.7
500 to 749 miles	16.1	34.2	34.3
750 to 999 miles	18.4	36.0	35.7
1,000 to 1,499 miles	13.7	21.7	21.1
1,500 to 1,999 miles	29.8	32.8	31.2
2,000 miles or more	42.3	26.7	26.7
SCTG 04, Animal feed and products of animal origin, n.e.c.	11.3	6.5	9.3
Less than 50 miles	8.7	8.5	9.8
50 to 99 miles	39.5	16.8	16.4
100 to 249 miles	24.0	9.7	9.4
250 to 499 miles	14.2	13.5	13.7
500 to 749 miles	21.8	26.6	28.4
750 to 999 miles	38.1	27.5	27.8
1,000 to 1,499 miles	15.9	21.4	21.3
1,500 to 1,999 miles	48.0	30.2	30.8
2,000 miles or more	S	38.3	38.9
SCTG 05, Meat, fish, seafood, and their preparations	4.4	5.4	7.3
Less than 50 miles	7.9	9.0	8.7
50 to 99 miles	8.8	8.5	8.4
100 to 249 miles	6.5	5.8	5.8
250 to 499 miles	7.8	9.0	8.6
500 to 749 miles	7.3	7.8	7.9
750 to 999 miles	13.1	10.1	10.3
1,000 to 1,499 miles	13.7	17.9	15.9
1,500 to 1,999 miles	14.4	11.9	11.5
2,000 miles or more	17.7	20.2	20.6
SCTG 06, Milled grain products and preparations, and bakery products	11.4	6.8	7.3
Less than 50 miles	10.8	9.6	11.1
50 to 99 miles	10.0	9.1	9.0
100 to 249 miles	24.8	9.8	9.6
250 to 499 miles	14.3	16.5	14.5
500 to 749 miles	12.3	8.4	8.5
750 to 999 miles	8.3	8.7	9.7
1,000 to 1,499 miles	15.7	13.9	13.9
1,500 to 1,999 miles	18.7	18.9	19.1
2,000 miles or more	26.2	27.6	27.1
SCTG 07, Other prepared foodstuffs and fats and oils	6.9	5.7	6.7
Less than 50 miles	6.3	6.5	7.5
50 to 99 miles	20.4	10.7	11.3
100 to 249 miles	17.5	11.4	11.0
250 to 499 miles	5.9	7.9	8.1
500 to 749 miles	7.8	11.8	12.6
750 to 999 miles	7.8	13.2	13.2
1,000 to 1,499 miles	10.9	19.9	19.4
1,500 to 1,999 miles	10.6	22.9	26.8
2,000 miles or more	12.5	14.1	14.7

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	4.2	5.8	14.7
Less than 50 miles	3.7	4.3	4.8
50 to 99 miles	8.9	10.5	10.2
100 to 249 miles	10.5	13.3	13.4
250 to 499 miles	18.3	17.2	16.7
500 to 749 miles	18.8	22.4	24.8
750 to 999 miles	21.9	29.2	28.7
1,000 to 1,499 miles	40.1	28.9	26.8
1,500 to 1,999 miles	28.9	37.0	36.8
2,000 miles or more	44.6	44.1	45.0
SCTG 09, Tobacco products	17.7	29.8	23.8
Less than 50 miles	29.6	44.6	47.0
50 to 99 miles	14.5	18.9	18.7
100 to 249 miles	16.5	19.5	18.5
250 to 499 miles	22.0	18.4	18.5
500 to 749 miles	21.7	20.9	20.9
750 to 999 miles	27.6	26.2	26.7
1,000 to 1,499 miles	44.8	44.4	46.3
1,500 to 1,999 miles	39.1	37.8	38.4
2,000 miles or more	39.1	43.2	44.1
SCTG 10, Monumental or building stone	20.1	23.9	18.9
Less than 50 miles	27.1	31.2	27.6
50 to 99 miles	36.6	35.6	38.9
100 to 249 miles	42.7	31.9	32.6
250 to 499 miles	37.8	25.8	25.0
500 to 749 miles	31.3	24.8	25.4
750 to 999 miles	41.6	34.0	32.7
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	11.3	15.4	16.3
Less than 50 miles	18.1	15.9	13.6
50 to 99 miles	17.1	36.9	36.8
100 to 249 miles	17.6	26.1	31.9
250 to 499 miles	23.9	30.0	30.3
500 to 749 miles	36.1	31.9	34.2
750 to 999 miles	38.4	37.4	39.9
1,000 to 1,499 miles	37.9	30.9	32.5
1,500 to 1,999 miles	40.0	S	S
2,000 miles or more	47.0	48.0	47.6
SCTG 12, Gravel and crushed stone	8.6	8.2	9.0
Less than 50 miles	8.9	10.0	11.0
50 to 99 miles	13.1	14.5	14.2
100 to 249 miles	9.7	11.7	12.0
250 to 499 miles	16.9	22.6	23.1
500 to 749 miles	S	43.1	46.4
750 to 999 miles	35.7	34.3	34.2
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	12.4	19.4	20.2
Less than 50 miles	10.6	28.5	31.0
50 to 99 miles	28.9	29.6	24.3
100 to 249 miles	34.9	15.7	23.9
250 to 499 miles	28.4	10.9	10.4
500 to 749 miles	12.6	46.6	S
750 to 999 miles	10.3	16.0	17.1
1,000 to 1,499 miles	18.5	21.4	21.2
1,500 to 1,999 miles	21.1	34.6	33.3
2,000 miles or more	28.1	36.1	37.1
SCTG 14, Metallic ores and concentrates	21.7	30.2	34.4
Less than 50 miles	46.9	34.1	40.2
50 to 99 miles	35.9	S	S
100 to 249 miles	27.9	46.5	37.3
250 to 499 miles	29.8	28.5	29.5
500 to 749 miles	20.2	36.0	40.0
750 to 999 miles	28.9	41.2	42.2
1,000 to 1,499 miles	26.1	45.7	47.9
1,500 to 1,999 miles	S	S	S
2,000 miles or more	43.5	S	S
SCTG 15, Coal	8.0	8.0	10.7
Less than 50 miles	12.9	11.4	14.0
50 to 99 miles	20.5	21.5	29.5
100 to 249 miles	11.9	12.9	13.3
250 to 499 miles	11.5	12.5	12.3
500 to 749 miles	23.8	26.6	29.5
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	47.1	S	S
2,000 miles or more	S	S	S

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	4.7	10.7	26.0
Less than 50 miles	6.0	11.7	7.2
50 to 99 miles	17.5	21.6	20.7
100 to 249 miles	10.3	12.0	12.7
250 to 499 miles	29.6	32.1	27.0
500 to 749 miles	28.0	39.6	41.0
750 to 999 miles	31.2	38.5	38.6
1,000 to 1,499 miles	44.3	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	9.3	10.4	18.4
Less than 50 miles	13.2	15.3	21.9
50 to 99 miles	14.7	19.0	22.2
100 to 249 miles	21.0	18.5	20.7
250 to 499 miles	28.9	S	S
500 to 749 miles	33.5	33.4	31.5
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	7.8	8.5	8.7
Less than 50 miles	10.4	12.2	14.1
50 to 99 miles	13.0	19.5	22.6
100 to 249 miles	12.1	13.9	14.8
250 to 499 miles	13.4	13.4	17.2
500 to 749 miles	24.7	24.3	22.8
750 to 999 miles	18.8	13.5	15.2
1,000 to 1,499 miles	18.4	25.4	28.4
1,500 to 1,999 miles	24.3	27.8	27.1
2,000 miles or more	42.4	45.4	45.4
SCTG 20, Basic chemicals	17.8	10.5	17.6
Less than 50 miles	16.5	8.7	9.6
50 to 99 miles	9.5	9.7	10.6
100 to 249 miles	9.3	12.2	13.5
250 to 499 miles	35.8	29.4	25.0
500 to 749 miles	7.2	10.7	12.0
750 to 999 miles	10.9	20.5	22.7
1,000 to 1,499 miles	S	44.8	43.1
1,500 to 1,999 miles	13.8	10.7	11.1
2,000 miles or more	22.3	30.9	30.2
SCTG 21, Pharmaceutical products	9.2	19.3	33.4
Less than 50 miles	22.0	38.9	28.9
50 to 99 miles	12.0	20.5	21.3
100 to 249 miles	9.4	12.5	12.0
250 to 499 miles	13.8	34.0	35.6
500 to 749 miles	14.6	41.0	40.4
750 to 999 miles	15.2	30.1	29.6
1,000 to 1,499 miles	19.2	22.8	23.9
1,500 to 1,999 miles	26.3	28.8	28.1
2,000 miles or more	19.1	S	S
SCTG 22, Fertilizers	7.3	11.8	9.8
Less than 50 miles	11.5	18.0	23.0
50 to 99 miles	16.7	8.3	8.8
100 to 249 miles	12.0	10.8	11.8
250 to 499 miles	9.5	12.4	11.5
500 to 749 miles	15.3	15.1	17.8
750 to 999 miles	17.1	19.0	22.5
1,000 to 1,499 miles	25.5	23.9	24.5
1,500 to 1,999 miles	33.0	35.2	35.7
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	5.5	7.0	12.1
Less than 50 miles	5.4	8.0	6.6
50 to 99 miles	8.8	11.3	10.8
100 to 249 miles	14.4	11.6	13.2
250 to 499 miles	8.8	13.1	13.7
500 to 749 miles	7.5	8.3	8.5
750 to 999 miles	6.8	9.2	9.7
1,000 to 1,499 miles	10.9	16.8	17.6
1,500 to 1,999 miles	19.5	35.4	33.0
2,000 miles or more	19.1	16.3	17.3
SCTG 24, Plastics and rubber	3.7	4.6	6.5
Less than 50 miles	5.0	10.2	13.3
50 to 99 miles	5.5	8.1	8.5
100 to 249 miles	5.2	7.8	7.7
250 to 499 miles	7.9	6.3	6.2
500 to 749 miles	5.0	6.6	7.0
750 to 999 miles	5.3	10.4	10.7
1,000 to 1,499 miles	5.7	8.6	8.8
1,500 to 1,999 miles	7.5	10.0	10.6
2,000 miles or more	13.9	18.7	18.5

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	9.5	14.6	18.5
Less than 50 miles	12.9	17.9	14.8
50 to 99 miles	21.3	33.2	32.3
100 to 249 miles	19.6	38.7	43.1
250 to 499 miles	22.1	33.7	32.9
500 to 749 miles	33.9	S	S
750 to 999 miles	33.7	S	S
1,000 to 1,499 miles	41.3	S	S
1,500 to 1,999 miles	45.1	44.8	44.3
2,000 miles or more	43.1	44.3	43.1
SCTG 26, Wood products	7.0	13.1	17.0
Less than 50 miles	4.7	13.5	12.8
50 to 99 miles	5.4	18.6	18.7
100 to 249 miles	13.7	23.0	27.2
250 to 499 miles	9.8	17.9	15.1
500 to 749 miles	8.9	13.5	13.9
750 to 999 miles	12.6	24.6	24.5
1,000 to 1,499 miles	10.9	22.9	24.1
1,500 to 1,999 miles	11.5	9.6	9.5
2,000 miles or more	14.7	12.2	12.1
SCTG 27, Pulp, newsprint, paper, and paperboard	5.7	4.2	5.3
Less than 50 miles	11.3	7.7	9.3
50 to 99 miles	6.3	8.0	8.2
100 to 249 miles	10.4	8.5	8.8
250 to 499 miles	6.4	6.0	6.6
500 to 749 miles	5.7	5.1	5.0
750 to 999 miles	9.3	11.6	12.1
1,000 to 1,499 miles	8.9	9.2	9.4
1,500 to 1,999 miles	12.8	12.1	12.1
2,000 miles or more	15.9	15.8	16.0
SCTG 28, Paper or paperboard articles	5.1	4.8	7.3
Less than 50 miles	5.9	6.5	6.6
50 to 99 miles	5.5	8.4	8.2
100 to 249 miles	11.5	5.6	5.1
250 to 499 miles	10.4	8.4	8.2
500 to 749 miles	9.1	9.4	9.6
750 to 999 miles	15.4	12.2	12.2
1,000 to 1,499 miles	15.5	15.1	15.0
1,500 to 1,999 miles	14.2	17.0	19.0
2,000 miles or more	15.1	22.0	21.3
SCTG 29, Printed products	4.8	8.8	6.5
Less than 50 miles	6.6	13.5	10.8
50 to 99 miles	4.8	9.8	9.9
100 to 249 miles	15.3	8.0	9.0
250 to 499 miles	11.3	11.4	10.9
500 to 749 miles	8.8	13.3	12.9
750 to 999 miles	7.6	8.2	8.2
1,000 to 1,499 miles	17.9	12.8	13.5
1,500 to 1,999 miles	11.4	22.0	21.5
2,000 miles or more	11.5	17.9	17.5
SCTG 30, Textiles, leather, and articles of textiles or leather	10.2	5.8	7.5
Less than 50 miles	14.3	8.7	8.9
50 to 99 miles	44.3	7.2	7.2
100 to 249 miles	14.3	8.3	8.8
250 to 499 miles	8.4	10.1	9.2
500 to 749 miles	7.4	9.6	9.3
750 to 999 miles	5.5	8.2	8.2
1,000 to 1,499 miles	10.5	9.6	9.6
1,500 to 1,999 miles	21.8	19.4	20.2
2,000 miles or more	7.1	12.6	13.4
SCTG 31, Nonmetallic mineral products	3.8	4.8	4.7
Less than 50 miles	4.4	6.6	6.6
50 to 99 miles	4.6	11.0	10.4
100 to 249 miles	8.4	7.0	5.9
250 to 499 miles	5.5	6.9	7.2
500 to 749 miles	8.6	7.5	7.2
750 to 999 miles	9.3	9.3	9.4
1,000 to 1,499 miles	8.6	13.2	13.1
1,500 to 1,999 miles	22.0	24.3	25.5
2,000 miles or more	10.9	30.2	31.3
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	3.8	9.5	7.6
Less than 50 miles	6.5	13.8	13.7
50 to 99 miles	8.2	13.8	14.4
100 to 249 miles	5.9	11.9	12.8
250 to 499 miles	5.1	10.2	11.5
500 to 749 miles	6.7	11.4	11.9
750 to 999 miles	9.9	10.9	13.2
1,000 to 1,499 miles	11.3	11.5	11.7
1,500 to 1,999 miles	15.1	27.6	30.9
2,000 miles or more	21.6	23.3	23.0

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	3.0	7.9	10.5
Less than 50 miles	3.3	8.8	7.8
50 to 99 miles	6.6	16.5	17.6
100 to 249 miles	4.7	10.7	11.1
250 to 499 miles	6.8	11.5	11.5
500 to 749 miles	6.0	17.4	17.3
750 to 999 miles	6.2	11.8	15.2
1,000 to 1,499 miles	8.1	12.8	13.1
1,500 to 1,999 miles	14.3	20.7	22.4
2,000 miles or more	10.7	28.1	27.8
SCTG 34, Machinery	4.8	3.8	4.3
Less than 50 miles	5.9	7.9	12.0
50 to 99 miles	13.3	16.3	17.0
100 to 249 miles	8.9	10.5	8.1
250 to 499 miles	13.8	10.6	11.5
500 to 749 miles	5.4	5.5	5.5
750 to 999 miles	10.4	9.1	9.0
1,000 to 1,499 miles	10.0	9.6	9.7
1,500 to 1,999 miles	8.5	11.5	11.5
2,000 miles or more	20.6	14.8	14.3
SCTG 35, Electronic and other electrical equipment and components and office equipment	9.6	8.0	8.1
Less than 50 miles	15.6	14.6	21.7
50 to 99 miles	10.7	14.6	17.7
100 to 249 miles	18.2	16.0	17.2
250 to 499 miles	22.2	8.0	7.8
500 to 749 miles	10.0	11.5	11.3
750 to 999 miles	9.2	14.3	15.0
1,000 to 1,499 miles	18.3	12.7	13.3
1,500 to 1,999 miles	18.8	19.2	18.4
2,000 miles or more	11.0	11.0	10.5
SCTG 36, Motorized and other vehicles (including parts)	7.7	7.3	8.6
Less than 50 miles	11.0	10.8	16.5
50 to 99 miles	16.5	18.0	17.3
100 to 249 miles	10.6	9.5	9.0
250 to 499 miles	9.0	9.4	10.0
500 to 749 miles	12.6	10.6	11.3
750 to 999 miles	14.4	15.0	15.4
1,000 to 1,499 miles	10.8	9.9	10.6
1,500 to 1,999 miles	18.2	17.1	17.3
2,000 miles or more	22.2	22.3	21.8
SCTG 37, Transportation equipment, n.e.c.	11.8	13.5	12.6
Less than 50 miles	26.3	30.0	40.5
50 to 99 miles	20.0	29.0	37.3
100 to 249 miles	30.8	23.3	23.8
250 to 499 miles	8.0	22.7	25.9
500 to 749 miles	13.4	19.6	20.5
750 to 999 miles	17.9	21.2	22.7
1,000 to 1,499 miles	20.0	20.7	23.1
1,500 to 1,999 miles	47.1	21.6	21.3
2,000 miles or more	20.3	32.3	S
SCTG 38, Precision instruments and apparatus	19.1	16.6	19.7
Less than 50 miles	10.0	11.6	15.5
50 to 99 miles	14.8	S	S
100 to 249 miles	10.6	20.9	17.7
250 to 499 miles	11.9	25.6	18.5
500 to 749 miles	25.2	34.4	33.6
750 to 999 miles	29.2	23.2	22.5
1,000 to 1,499 miles	47.9	26.9	26.5
1,500 to 1,999 miles	25.1	17.3	17.4
2,000 miles or more	24.4	S	49.6
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.8	8.0	6.3
Less than 50 miles	12.7	16.9	24.7
50 to 99 miles	24.1	17.0	15.1
100 to 249 miles	26.3	19.2	15.6
250 to 499 miles	20.5	11.5	11.9
500 to 749 miles	5.4	7.1	6.8
750 to 999 miles	10.2	8.3	8.1
1,000 to 1,499 miles	12.4	11.9	11.7
1,500 to 1,999 miles	9.7	9.4	9.5
2,000 miles or more	8.5	11.7	12.8
SCTG 40, Miscellaneous manufactured products	7.6	7.5	7.4
Less than 50 miles	6.6	20.9	18.5
50 to 99 miles	14.0	15.4	14.3
100 to 249 miles	17.6	9.8	9.3
250 to 499 miles	8.4	7.7	7.6
500 to 749 miles	9.1	9.3	9.1
750 to 999 miles	14.5	15.1	14.9
1,000 to 1,499 miles	17.2	13.2	13.8
1,500 to 1,999 miles	13.1	13.0	13.1
2,000 miles or more	7.4	23.6	22.7

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	5.7	6.2	7.9
Less than 50 miles	17.6	11.8	16.4
50 to 99 miles	10.1	14.9	14.4
100 to 249 miles	7.3	10.1	11.9
250 to 499 miles	13.6	14.7	14.0
500 to 749 miles	15.0	22.6	21.4
750 to 999 miles	21.8	15.3	15.3
1,000 to 1,499 miles	23.4	24.1	24.5
1,500 to 1,999 miles	S	45.0	46.4
2,000 miles or more	44.7	S	S
SCTG 43, Mixed freight	13.7	15.2	10.8
Less than 50 miles	18.0	22.1	23.8
50 to 99 miles	15.0	15.8	15.0
100 to 249 miles	16.0	14.1	13.9
250 to 499 miles	29.5	17.4	17.3
500 to 749 miles	22.7	21.4	21.0
750 to 999 miles	19.8	29.6	30.4
1,000 to 1,499 miles	44.7	S	S
1,500 to 1,999 miles	36.9	40.6	42.1
2,000 miles or more	37.2	S	S
Commodity unknown	14.0	S	S
Less than 50 miles	15.5	16.6	14.4
50 to 99 miles	24.9	21.5	21.3
100 to 249 miles	23.6	20.9	21.3
250 to 499 miles	22.1	S	S
500 to 749 miles	22.8	39.3	41.0
750 to 999 miles	21.0	36.6	37.0
1,000 to 1,499 miles	20.5	33.8	34.9
1,500 to 1,999 miles	29.1	44.8	S
2,000 miles or more	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	2.1	3.0	4.7
Less than 50 lb	4.4	2.3	2.7
50 to 99 lb	4.6	3.9	3.6
100 to 499 lb	4.4	3.0	2.6
500 to 749 lb	3.2	3.4	2.8
750 to 999 lb	4.0	3.0	3.6
1,000 to 9,999 lb	5.1	1.6	2.9
10,000 to 49,999 lb	2.8	3.0	2.7
50,000 to 99,999 lb	6.5	7.2	6.4
100,000 lb or more	4.4	5.4	7.3
SCTG 01, Live animals and live fish	19.2	30.9	25.0
Less than 50 lb	35.1	37.4	S
50 to 99 lb	32.7	39.4	46.5
100 to 499 lb	28.0	S	S
500 to 749 lb	40.2	32.8	40.1
750 to 999 lb	45.4	48.5	S
1,000 to 9,999 lb	37.1	35.4	34.1
10,000 to 49,999 lb	21.9	38.9	24.5
50,000 to 99,999 lb	36.5	34.8	43.4
100,000 lb or more	33.2	45.1	31.2
SCTG 02, Cereal grains	24.0	21.1	21.2
Less than 50 lb	S	S	S
50 to 99 lb	37.7	41.3	32.7
100 to 499 lb	30.3	37.7	32.5
500 to 749 lb	33.2	34.3	31.6
750 to 999 lb	29.2	34.0	36.5
1,000 to 9,999 lb	S	21.0	38.8
10,000 to 49,999 lb	10.3	11.0	23.2
50,000 to 99,999 lb	12.5	11.9	15.7
100,000 lb or more	30.8	27.0	25.4
SCTG 03, Other agricultural products	7.4	13.1	13.9
Less than 50 lb	33.5	25.1	48.7
50 to 99 lb	24.3	20.6	12.0
100 to 499 lb	13.9	19.8	10.0
500 to 749 lb	19.0	21.5	17.1
750 to 999 lb	15.2	21.0	19.6
1,000 to 9,999 lb	11.8	14.8	12.7
10,000 to 49,999 lb	8.0	13.7	22.2
50,000 to 99,999 lb	23.0	23.1	21.9
100,000 lb or more	18.8	20.3	20.0
SCTG 04, Animal feed and products of animal origin, n.e.c.	11.3	6.5	9.3
Less than 50 lb	46.1	S	37.6
50 to 99 lb	S	47.8	46.8
100 to 499 lb	47.1	33.1	30.5
500 to 749 lb	41.6	36.6	22.3
750 to 999 lb	39.9	34.2	24.5
1,000 to 9,999 lb	14.5	15.0	16.6
10,000 to 49,999 lb	16.5	8.2	10.1
50,000 to 99,999 lb	7.3	12.4	12.2
100,000 lb or more	19.0	21.3	27.8
SCTG 05, Meat, fish, seafood, and their preparations	4.4	5.4	7.3
Less than 50 lb	31.0	30.3	47.6
50 to 99 lb	28.8	31.7	36.0
100 to 499 lb	15.4	19.4	13.8
500 to 749 lb	13.0	11.9	11.2
750 to 999 lb	13.4	11.9	9.1
1,000 to 9,999 lb	6.7	8.7	8.9
10,000 to 49,999 lb	5.9	6.4	8.2
50,000 to 99,999 lb	29.0	19.3	21.3
100,000 lb or more	35.8	23.8	20.4
SCTG 06, Milled grain products and preparations, and bakery products	11.4	6.8	7.3
Less than 50 lb	31.5	28.6	29.3
50 to 99 lb	25.8	34.3	21.2
100 to 499 lb	17.5	16.5	17.9
500 to 749 lb	32.8	22.9	25.4
750 to 999 lb	27.5	23.4	24.3
1,000 to 9,999 lb	22.0	14.0	11.6
10,000 to 49,999 lb	11.3	6.9	8.8
50,000 to 99,999 lb	26.0	31.5	24.8
100,000 lb or more	23.0	14.1	14.8
SCTG 07, Other prepared foodstuffs and fats and oils	6.9	5.7	6.7
Less than 50 lb	16.8	15.0	31.3
50 to 99 lb	12.0	20.2	15.3
100 to 499 lb	6.3	9.8	8.7
500 to 749 lb	7.5	10.3	11.7
750 to 999 lb	7.0	10.0	7.7
1,000 to 9,999 lb	5.3	6.8	6.0
10,000 to 49,999 lb	11.0	7.2	7.1
50,000 to 99,999 lb	18.8	16.8	23.2
100,000 lb or more	10.6	10.8	13.1

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	4.2	5.8	14.7
Less than 50 lb	16.1	10.6	12.4
50 to 99 lb	7.6	4.9	7.3
100 to 499 lb	5.0	4.4	5.3
500 to 749 lb	5.4	4.6	5.9
750 to 999 lb	5.2	5.2	6.1
1,000 to 9,999 lb	3.8	4.5	6.4
10,000 to 49,999 lb	10.3	10.8	13.3
50,000 to 99,999 lb	24.3	22.7	27.3
100,000 lb or more	45.8	45.4	S
SCTG 09, Tobacco products	17.7	29.8	23.8
Less than 50 lb	8.7	8.4	22.7
50 to 99 lb	13.9	13.8	17.1
100 to 499 lb	12.8	12.7	14.4
500 to 749 lb	10.9	13.9	24.8
750 to 999 lb	26.5	23.9	35.7
1,000 to 9,999 lb	18.2	13.8	18.4
10,000 to 49,999 lb	22.3	34.9	25.2
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	46.4	S
SCTG 10, Monumental or building stone	20.1	23.9	18.9
Less than 50 lb	S	49.2	S
50 to 99 lb	39.9	34.8	41.5
100 to 499 lb	37.0	37.4	45.0
500 to 749 lb	33.0	28.2	39.1
750 to 999 lb	S	33.2	35.2
1,000 to 9,999 lb	24.0	18.8	23.1
10,000 to 49,999 lb	25.9	30.2	19.5
50,000 to 99,999 lb	S	S	48.1
100,000 lb or more	S	S	40.6
SCTG 11, Natural sands	11.3	15.4	16.3
Less than 50 lb	S	S	S
50 to 99 lb	S	32.6	S
100 to 499 lb	42.0	26.3	34.8
500 to 749 lb	38.4	31.9	42.9
750 to 999 lb	S	49.5	S
1,000 to 9,999 lb	26.0	18.3	22.1
10,000 to 49,999 lb	17.5	19.9	10.7
50,000 to 99,999 lb	15.9	28.8	31.3
100,000 lb or more	22.5	27.7	27.8
SCTG 12, Gravel and crushed stone	8.6	8.2	9.0
Less than 50 lb	S	S	46.0
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	38.7	S	S
750 to 999 lb	28.0	32.7	31.8
1,000 to 9,999 lb	20.2	15.0	20.1
10,000 to 49,999 lb	7.2	8.0	9.8
50,000 to 99,999 lb	24.2	27.3	18.9
100,000 lb or more	8.4	11.0	17.8
SCTG 13, Nonmetallic minerals n.e.c.	12.4	19.4	20.2
Less than 50 lb	33.7	26.1	38.9
50 to 99 lb	S	42.7	S
100 to 499 lb	39.0	26.4	40.3
500 to 749 lb	38.4	35.8	42.3
750 to 999 lb	45.6	28.3	36.8
1,000 to 9,999 lb	26.7	23.8	22.4
10,000 to 49,999 lb	22.8	38.6	12.7
50,000 to 99,999 lb	14.7	28.6	15.5
100,000 lb or more	8.7	15.2	26.1
SCTG 14, Metallic ores and concentrates	21.7	30.2	34.4
Less than 50 lb	S	23.9	38.6
50 to 99 lb	40.6	44.4	S
100 to 499 lb	47.3	29.6	43.4
500 to 749 lb	45.1	S	42.8
750 to 999 lb	S	S	S
1,000 to 9,999 lb	21.7	38.1	27.5
10,000 to 49,999 lb	28.2	43.9	43.4
50,000 to 99,999 lb	40.8	48.2	41.1
100,000 lb or more	49.2	46.3	35.5
SCTG 15, Coal	8.0	8.0	10.7
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	24.3	33.4
10,000 to 49,999 lb	19.6	21.1	29.1
50,000 to 99,999 lb	31.5	29.4	35.2
100,000 lb or more	7.6	7.7	11.0

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	4.7	10.7	26.0
Less than 50 lb	47.2	44.5	39.9
50 to 99 lb	23.0	23.0	24.8
100 to 499 lb	31.3	27.2	28.5
500 to 749 lb	41.3	27.2	29.6
750 to 999 lb	31.2	21.5	28.0
1,000 to 9,999 lb	13.7	15.5	18.4
10,000 to 49,999 lb	12.5	16.7	22.6
50,000 to 99,999 lb	6.4	8.6	13.6
100,000 lb or more	8.2	18.4	29.9
SCTG 18, Fuel oils	9.3	10.4	18.4
Less than 50 lb	S	30.8	38.9
50 to 99 lb	S	28.1	31.0
100 to 499 lb	24.3	11.8	12.1
500 to 749 lb	21.1	9.6	19.0
750 to 999 lb	22.4	13.1	12.5
1,000 to 9,999 lb	11.5	11.2	15.6
10,000 to 49,999 lb	13.0	13.5	14.8
50,000 to 99,999 lb	8.5	7.8	10.1
100,000 lb or more	15.1	16.1	22.3
SCTG 19, Coal and petroleum products, n.e.c.	7.8	8.5	8.7
Less than 50 lb	23.0	14.1	37.6
50 to 99 lb	20.1	17.3	49.2
100 to 499 lb	14.8	17.5	43.6
500 to 749 lb	14.9	21.2	22.6
750 to 999 lb	20.1	25.6	S
1,000 to 9,999 lb	15.1	16.5	S
10,000 to 49,999 lb	10.9	18.5	22.5
50,000 to 99,999 lb	16.4	14.2	15.1
100,000 lb or more	11.0	10.1	11.1
SCTG 20, Basic chemicals	17.8	10.5	17.6
Less than 50 lb	20.6	18.6	24.9
50 to 99 lb	21.8	27.2	33.4
100 to 499 lb	14.5	23.1	15.1
500 to 749 lb	17.0	25.8	28.9
750 to 999 lb	23.0	29.9	22.5
1,000 to 9,999 lb	16.8	14.0	33.5
10,000 to 49,999 lb	21.7	15.7	27.1
50,000 to 99,999 lb	18.4	11.0	16.3
100,000 lb or more	17.2	10.1	15.8
SCTG 21, Pharmaceutical products	9.2	19.3	33.4
Less than 50 lb	11.4	10.3	13.7
50 to 99 lb	12.9	8.8	18.9
100 to 499 lb	11.0	12.3	34.3
500 to 749 lb	28.1	18.5	37.6
750 to 999 lb	23.8	24.2	29.7
1,000 to 9,999 lb	17.0	15.2	20.2
10,000 to 49,999 lb	17.7	28.8	40.9
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	7.3	11.8	9.8
Less than 50 lb	S	S	S
50 to 99 lb	48.4	26.4	38.6
100 to 499 lb	32.2	22.3	35.7
500 to 749 lb	21.0	27.2	24.2
750 to 999 lb	20.8	20.2	28.3
1,000 to 9,999 lb	14.8	14.5	18.9
10,000 to 49,999 lb	16.3	9.1	15.5
50,000 to 99,999 lb	17.0	17.0	13.7
100,000 lb or more	8.9	15.2	11.9
SCTG 23, Chemical products and preparations, n.e.c.	5.5	7.0	12.1
Less than 50 lb	14.2	12.7	15.6
50 to 99 lb	7.6	9.3	11.1
100 to 499 lb	5.7	20.3	9.6
500 to 749 lb	8.0	7.3	9.5
750 to 999 lb	11.2	14.4	13.7
1,000 to 9,999 lb	5.5	6.4	8.1
10,000 to 49,999 lb	8.5	8.9	13.0
50,000 to 99,999 lb	16.6	20.3	26.0
100,000 lb or more	26.6	18.0	18.5
SCTG 24, Plastics and rubber	3.7	4.6	6.5
Less than 50 lb	5.8	6.5	11.3
50 to 99 lb	6.6	6.6	8.2
100 to 499 lb	5.2	7.9	7.7
500 to 749 lb	7.6	11.6	10.6
750 to 999 lb	6.2	6.0	7.9
1,000 to 9,999 lb	4.4	5.8	5.7
10,000 to 49,999 lb	6.0	6.9	7.7
50,000 to 99,999 lb	15.2	14.3	21.8
100,000 lb or more	6.5	8.4	9.1

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	9.5	14.6	18.5
Less than 50 lb	S	S	S
50 to 99 lb	S	47.3	S
100 to 499 lb	44.5	31.9	S
500 to 749 lb	42.0	S	S
750 to 999 lb	S	32.3	S
1,000 to 9,999 lb	24.0	35.3	21.1
10,000 to 49,999 lb	11.3	14.9	17.2
50,000 to 99,999 lb	12.3	18.1	20.5
100,000 lb or more	24.2	33.9	47.8
SCTG 26, Wood products	7.0	13.1	17.0
Less than 50 lb	17.8	16.2	28.8
50 to 99 lb	13.9	10.6	23.6
100 to 499 lb	10.3	8.9	13.4
500 to 749 lb	9.9	10.9	11.1
750 to 999 lb	9.0	13.4	13.1
1,000 to 9,999 lb	4.6	6.9	7.3
10,000 to 49,999 lb	7.7	12.9	11.8
50,000 to 99,999 lb	7.1	22.3	12.9
100,000 lb or more	24.6	25.5	29.5
SCTG 27, Pulp, newsprint, paper, and paperboard	5.7	4.2	5.3
Less than 50 lb	9.3	8.5	15.7
50 to 99 lb	9.4	10.9	24.3
100 to 499 lb	10.9	10.3	20.2
500 to 749 lb	12.2	10.6	16.9
750 to 999 lb	9.9	8.6	21.0
1,000 to 9,999 lb	8.5	9.1	12.1
10,000 to 49,999 lb	8.3	5.7	6.6
50,000 to 99,999 lb	14.2	15.8	15.0
100,000 lb or more	4.4	6.0	7.4
SCTG 28, Paper or paperboard articles	5.1	4.8	7.3
Less than 50 lb	10.6	6.9	15.3
50 to 99 lb	9.4	11.0	23.9
100 to 499 lb	7.0	6.8	11.4
500 to 749 lb	11.6	9.2	16.7
750 to 999 lb	11.8	9.0	11.9
1,000 to 9,999 lb	5.9	6.3	8.1
10,000 to 49,999 lb	7.5	5.6	7.7
50,000 to 99,999 lb	25.2	21.5	33.1
100,000 lb or more	30.1	24.4	30.5
SCTG 29, Printed products	4.8	8.8	6.5
Less than 50 lb	8.0	10.4	11.9
50 to 99 lb	13.0	9.9	14.0
100 to 499 lb	14.5	11.6	15.2
500 to 749 lb	8.9	18.5	10.5
750 to 999 lb	10.7	21.5	10.1
1,000 to 9,999 lb	6.6	7.5	7.3
10,000 to 49,999 lb	6.8	12.9	10.4
50,000 to 99,999 lb	23.5	32.5	S
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	10.2	5.8	7.5
Less than 50 lb	6.7	5.5	5.8
50 to 99 lb	6.2	6.1	7.8
100 to 499 lb	5.6	5.3	6.4
500 to 749 lb	6.2	6.7	9.7
750 to 999 lb	11.7	7.9	9.1
1,000 to 9,999 lb	27.9	6.9	9.1
10,000 to 49,999 lb	7.1	6.4	10.7
50,000 to 99,999 lb	45.1	40.5	28.1
100,000 lb or more	19.7	23.3	39.0
SCTG 31, Nonmetallic mineral products	3.8	4.8	4.7
Less than 50 lb	18.4	26.9	13.3
50 to 99 lb	12.4	10.5	15.3
100 to 499 lb	9.4	8.9	12.4
500 to 749 lb	11.9	10.5	15.3
750 to 999 lb	18.0	13.9	20.8
1,000 to 9,999 lb	13.8	6.5	7.7
10,000 to 49,999 lb	4.4	5.8	6.2
50,000 to 99,999 lb	7.5	8.1	8.3
100,000 lb or more	14.0	28.0	12.6
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	3.8	9.5	7.6
Less than 50 lb	18.0	8.5	11.8
50 to 99 lb	10.3	8.0	11.4
100 to 499 lb	6.3	6.9	11.6
500 to 749 lb	6.8	5.7	9.7
750 to 999 lb	11.0	6.8	9.5
1,000 to 9,999 lb	4.1	7.0	7.7
10,000 to 49,999 lb	4.1	6.0	5.9
50,000 to 99,999 lb	11.5	14.6	16.1
100,000 lb or more	19.4	27.8	15.6

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	3.0	7.9	10.5
Less than 50 lb	8.4	6.7	8.9
50 to 99 lb	9.5	6.5	12.2
100 to 499 lb	6.2	4.8	7.7
500 to 749 lb	6.4	4.9	6.6
750 to 999 lb	9.7	6.9	14.5
1,000 to 9,999 lb	4.4	4.2	3.3
10,000 to 49,999 lb	4.8	9.6	11.6
50,000 to 99,999 lb	31.8	24.6	31.2
100,000 lb or more	23.2	19.5	22.6
SCTG 34, Machinery	4.8	3.8	4.3
Less than 50 lb	5.9	7.6	7.9
50 to 99 lb	7.5	10.7	14.0
100 to 499 lb	4.7	5.8	6.7
500 to 749 lb	8.3	5.9	7.5
750 to 999 lb	10.9	8.1	12.0
1,000 to 9,999 lb	7.4	6.3	5.3
10,000 to 49,999 lb	10.1	6.8	7.0
50,000 to 99,999 lb	33.4	13.8	19.1
100,000 lb or more	33.6	19.3	30.4
SCTG 35, Electronic and other electrical equipment and components and office equipment	9.6	8.0	8.1
Less than 50 lb	7.1	4.4	6.5
50 to 99 lb	16.0	8.6	14.4
100 to 499 lb	16.1	11.0	21.7
500 to 749 lb	14.8	17.3	12.2
750 to 999 lb	13.1	17.5	24.6
1,000 to 9,999 lb	19.0	12.7	11.3
10,000 to 49,999 lb	20.0	7.8	10.0
50,000 to 99,999 lb	31.8	44.7	S
100,000 lb or more	23.4	S	24.0
SCTG 36, Motorized and other vehicles (including parts)	7.7	7.3	8.6
Less than 50 lb	7.0	7.1	7.9
50 to 99 lb	9.1	8.7	7.3
100 to 499 lb	10.1	7.6	8.2
500 to 749 lb	14.8	8.1	13.3
750 to 999 lb	18.1	16.3	12.9
1,000 to 9,999 lb	13.2	12.2	18.5
10,000 to 49,999 lb	7.6	8.9	8.3
50,000 to 99,999 lb	34.4	20.2	27.4
100,000 lb or more	S	30.0	45.9
SCTG 37, Transportation equipment, n.e.c.	11.8	13.5	12.6
Less than 50 lb	18.8	22.4	25.6
50 to 99 lb	30.7	16.3	20.5
100 to 499 lb	13.8	17.2	16.6
500 to 749 lb	17.9	15.1	14.0
750 to 999 lb	44.2	14.2	18.5
1,000 to 9,999 lb	18.7	14.2	13.5
10,000 to 49,999 lb	22.9	20.4	14.1
50,000 to 99,999 lb	35.0	41.4	46.3
100,000 lb or more	27.1	28.2	30.1
SCTG 38, Precision instruments and apparatus	19.1	16.6	19.7
Less than 50 lb	34.8	26.4	37.3
50 to 99 lb	18.4	21.3	29.8
100 to 499 lb	8.3	10.3	12.7
500 to 749 lb	19.0	13.5	14.5
750 to 999 lb	16.4	18.3	24.3
1,000 to 9,999 lb	16.3	18.2	39.8
10,000 to 49,999 lb	21.2	47.2	36.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.8	8.0	6.3
Less than 50 lb	12.3	13.3	16.2
50 to 99 lb	10.2	9.2	11.0
100 to 499 lb	10.3	5.8	5.7
500 to 749 lb	8.9	6.6	5.9
750 to 999 lb	8.7	8.5	10.4
1,000 to 9,999 lb	18.7	12.6	7.0
10,000 to 49,999 lb	19.7	12.3	11.2
50,000 to 99,999 lb	38.2	42.6	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	7.6	7.5	7.4
Less than 50 lb	21.6	5.5	9.0
50 to 99 lb	8.2	7.3	9.1
100 to 499 lb	4.7	5.8	12.1
500 to 749 lb	9.1	4.8	7.8
750 to 999 lb	6.9	7.7	8.8
1,000 to 9,999 lb	5.2	6.9	5.9
10,000 to 49,999 lb	14.7	10.6	10.7
50,000 to 99,999 lb	18.4	27.1	15.9
100,000 lb or more	25.4	18.6	20.4

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	5.7	6.2	7.9
Less than 50 lb	37.8	S	S
50 to 99 lb	S	S	S
100 to 499 lb	33.3	38.3	36.7
500 to 749 lb	S	S	47.4
750 to 999 lb	S	S	47.5
1,000 to 9,999 lb	S	37.2	22.4
10,000 to 49,999 lb	6.9	9.0	11.7
50,000 to 99,999 lb	15.7	15.5	13.0
100,000 lb or more	12.2	9.2	12.7
SCTG 43, Mixed freight	13.7	15.2	10.8
Less than 50 lb	21.5	21.8	41.0
50 to 99 lb	17.8	19.3	37.4
100 to 499 lb	12.0	12.6	19.2
500 to 749 lb	10.4	11.2	15.1
750 to 999 lb	11.7	11.3	17.0
1,000 to 9,999 lb	9.8	6.6	11.8
10,000 to 49,999 lb	21.1	21.5	16.6
50,000 to 99,999 lb	27.0	25.4	34.3
100,000 lb or more	43.8	36.1	S
Commodity unknown	14.0	S	S
Less than 50 lb	16.9	12.2	19.3
50 to 99 lb	20.6	18.6	37.7
100 to 499 lb	13.4	17.0	31.5
500 to 749 lb	36.2	32.5	15.5
750 to 999 lb	23.5	21.2	23.6
1,000 to 9,999 lb	16.0	22.8	25.3
10,000 to 49,999 lb	23.5	22.1	24.1
50,000 to 99,999 lb	35.8	S	S
100,000 lb or more	33.4	39.3	47.3

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	2.1	3.0	4.7	2.8	2.5	3.4	2.8	6.2	6.1	6.3
Less than 50 lb	4.4	2.3	2.7	3.2	3.1	3.6	4.5	5.4	5.0	5.2
50 to 99 lb	4.6	3.9	3.6	4.0	6.9	6.1	6.1	8.0	6.1	6.6
100 to 499 lb	4.4	3.0	2.6	4.5	3.3	4.4	3.9	3.2	4.0	3.8
500 to 749 lb	3.2	3.4	2.8	3.9	3.9	5.5	5.9	4.1	5.0	4.9
750 to 999 lb	4.0	3.0	3.6	3.3	4.5	4.0	5.1	7.3	5.5	5.4
1,000 to 9,999 lb	5.1	1.6	2.9	2.9	4.7	3.4	3.7	21.4	3.0	3.0
10,000 to 49,999 lb	2.8	3.0	2.7	2.4	5.1	4.4	5.0	7.6	7.0	6.6
50,000 to 99,999 lb	6.5	7.2	6.4	4.6	4.1	8.2	5.6	13.6	12.6	12.3
100,000 lb or more	4.4	5.4	7.3	4.6	7.1	7.2	5.8	7.2	9.0	13.8
SCTG 01, Live animals and live fish	19.2	30.9	25.0	10.6	23.6	37.2	31.8	28.6	S	S
Less than 50 lb	35.1	37.4	S	19.8	36.9	49.1	49.4	S	S	S
50 to 99 lb	32.7	39.4	46.5	17.4	43.9	S	S	49.0	S	S
100 to 499 lb	28.0	S	S	17.1	32.5	41.6	44.4	S	S	S
500 to 749 lb	40.2	32.8	40.1	19.2	41.5	37.9	38.0	S	S	S
750 to 999 lb	45.4	48.5	S	21.2	49.0	37.7	31.8	48.3	48.3	S
1,000 to 9,999 lb	37.1	35.4	34.1	28.5	49.2	26.1	33.7	S	S	S
10,000 to 49,999 lb	21.9	38.9	24.5	17.3	24.0	45.5	34.4	28.4	S	S
50,000 to 99,999 lb	36.5	34.8	43.4	11.2	S	S	S	38.3	37.4	39.2
100,000 lb or more	33.2	45.1	31.2	25.8	S	S	S	S	S	S
SCTG 02, Cereal grains	24.0	21.1	21.2	14.3	31.8	27.8	30.3	22.5	23.7	22.5
Less than 50 lb	S	S	S	33.7	S	S	S	S	S	S
50 to 99 lb	37.7	41.3	32.7	S	42.3	42.9	43.0	S	S	S
100 to 499 lb	30.3	37.7	32.5	S	33.5	39.9	34.0	S	S	S
500 to 749 lb	33.2	34.3	31.6	S	43.9	45.5	41.1	S	S	S
750 to 999 lb	29.2	34.0	36.5	27.3	38.7	43.0	40.7	S	S	S
1,000 to 9,999 lb	S	21.0	38.8	14.5	30.9	13.8	16.0	32.0	25.6	24.3
10,000 to 49,999 lb	10.3	11.0	23.2	12.2	13.5	14.0	17.8	20.5	19.5	21.5
50,000 to 99,999 lb	12.5	11.9	15.7	8.6	14.6	13.9	13.1	27.9	28.3	26.3
100,000 lb or more	30.8	27.0	25.4	10.1	39.4	34.3	37.2	49.3	S	S
SCTG 03, Other agricultural products	7.4	13.1	13.9	25.7	9.8	17.7	19.9	8.9	13.7	17.6
Less than 50 lb	33.5	25.1	48.7	24.7	42.1	32.7	31.5	S	41.3	45.9
50 to 99 lb	24.3	20.6	12.0	47.4	26.6	22.4	22.9	S	30.1	29.0
100 to 499 lb	13.9	19.8	10.0	37.2	18.6	22.3	22.8	14.3	24.1	24.7
500 to 749 lb	19.0	21.5	17.1	34.0	19.9	25.8	27.1	26.9	41.6	45.3
750 to 999 lb	15.2	21.0	19.6	25.8	20.1	23.7	22.4	24.5	35.2	36.9
1,000 to 9,999 lb	11.8	14.8	12.7	16.8	13.4	15.1	14.2	22.5	29.9	32.2
10,000 to 49,999 lb	8.0	13.7	22.2	8.3	12.1	18.8	27.8	13.7	15.3	16.3
50,000 to 99,999 lb	23.0	23.1	21.9	22.1	33.0	32.6	39.8	24.8	24.1	23.1
100,000 lb or more	18.8	20.3	20.0	15.2	33.7	32.4	29.2	34.9	41.3	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	11.3	6.5	9.3	33.4	8.7	8.5	9.8	39.5	16.8	16.4
Less than 50 lb	46.1	S	37.6	S	S	S	S	41.1	48.2	44.1
50 to 99 lb	S	47.8	46.8	34.5	S	48.6	S	41.5	S	S
100 to 499 lb	47.1	33.1	30.5	35.3	S	34.5	47.6	40.3	34.0	34.6
500 to 749 lb	41.6	36.6	22.3	S	S	40.0	41.0	43.6	36.2	36.4
750 to 999 lb	39.9	34.2	24.5	S	S	39.7	45.1	33.8	33.3	37.0
1,000 to 9,999 lb	14.5	15.0	16.6	15.9	19.8	19.8	18.5	21.1	24.5	25.4
10,000 to 49,999 lb	16.5	8.2	10.1	12.0	8.2	10.7	11.5	S	19.9	19.7
50,000 to 99,999 lb	7.3	12.4	12.2	10.9	7.8	12.4	14.4	12.0	23.5	18.3
100,000 lb or more	19.0	21.3	27.8	11.0	26.0	30.5	32.5	S	46.0	41.7
SCTG 05, Meat, fish, seafood, and their preparations	4.4	5.4	7.3	17.6	7.9	9.0	8.7	8.8	8.5	8.4
Less than 50 lb	31.0	30.3	47.6	27.1	26.7	26.6	33.1	S	45.6	47.6
50 to 99 lb	28.8	31.7	36.0	45.8	25.6	28.4	31.1	36.7	43.0	45.5
100 to 499 lb	15.4	19.4	13.8	20.3	17.8	22.5	21.4	17.2	19.2	19.1
500 to 749 lb	13.0	11.9	11.2	14.7	17.6	14.1	13.5	22.5	20.2	19.5
750 to 999 lb	13.4	11.9	9.1	9.7	19.0	15.4	14.6	26.1	25.2	25.4
1,000 to 9,999 lb	6.7	8.7	8.9	7.3	13.6	14.3	12.8	9.1	9.4	9.6
10,000 to 49,999 lb	5.9	6.4	8.2	3.6	7.7	8.0	8.9	12.9	12.2	11.5
50,000 to 99,999 lb	29.0	19.3	21.3	18.7	S	S	S	42.2	39.0	38.0
100,000 lb or more	35.8	23.8	20.4	24.2	S	48.4	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	11.4	6.8	7.3	22.3	10.8	9.6	11.1	10.0	9.1	9.0
Less than 50 lb	31.5	28.6	29.3	S	32.2	32.2	34.6	36.2	34.5	35.9
50 to 99 lb	25.8	34.3	21.2	S	30.6	40.6	30.4	27.3	29.6	30.1
100 to 499 lb	17.5	16.5	17.9	18.8	18.7	19.9	16.8	27.8	26.4	26.6
500 to 749 lb	32.8	22.9	25.4	10.5	25.2	22.9	29.7	36.3	23.2	22.9
750 to 999 lb	27.5	23.4	24.3	20.1	21.1	18.8	20.0	33.9	34.2	32.1
1,000 to 9,999 lb	22.0	14.0	11.6	6.0	23.2	16.8	15.5	14.2	19.1	18.3
10,000 to 49,999 lb	11.3	6.9	8.8	4.2	17.1	9.4	14.2	7.8	11.6	11.6
50,000 to 99,999 lb	26.0	31.5	24.8	15.0	37.0	39.0	39.1	30.9	31.0	30.6
100,000 lb or more	23.0	14.1	14.8	7.3	S	36.8	45.2	47.6	40.7	37.9

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	6.9	5.7	6.7	19.2	6.3	6.5	7.5	20.4	10.7	11.3
Less than 50 lb	16.8	15.0	31.3	16.8	17.3	18.6	22.6	20.3	23.2	22.0
50 to 99 lb	12.0	20.2	15.3	40.4	15.9	22.9	22.4	20.1	34.0	40.3
100 to 499 lb	6.3	9.8	8.7	14.1	7.9	10.4	10.4	11.7	19.5	19.5
500 to 749 lb	7.5	10.3	11.7	7.2	8.9	11.2	13.5	16.3	18.7	18.2
750 to 999 lb	7.0	10.0	7.7	7.1	9.7	12.1	12.3	13.1	13.9	14.2
1,000 to 9,999 lb	5.3	6.8	6.0	8.7	7.0	9.8	10.4	7.9	9.0	9.3
10,000 to 49,999 lb	11.0	7.2	7.1	6.6	11.1	7.3	8.8	27.5	12.9	13.8
50,000 to 99,999 lb	18.8	16.8	23.2	14.1	31.7	22.4	31.9	29.2	24.9	23.9
100,000 lb or more	10.6	10.8	13.1	5.7	31.6	31.5	32.8	25.8	24.9	26.3
SCTG 08, Alcoholic beverages	4.2	5.8	14.7	3.4	3.7	4.3	4.8	8.9	10.5	10.2
Less than 50 lb	16.1	10.6	12.4	5.0	18.0	10.9	13.4	15.5	16.5	17.7
50 to 99 lb	7.6	4.9	7.3	4.9	8.4	4.9	6.7	14.6	12.7	13.6
100 to 499 lb	5.0	4.4	5.3	3.6	5.3	4.6	5.6	12.6	8.2	8.5
500 to 749 lb	5.4	4.6	5.9	3.4	5.3	4.9	6.5	13.3	10.4	12.5
750 to 999 lb	5.2	5.2	6.1	5.3	5.1	5.2	6.4	17.2	14.9	15.2
1,000 to 9,999 lb	3.8	4.5	6.4	4.6	4.4	4.8	6.9	11.4	9.4	9.8
10,000 to 49,999 lb	10.3	10.8	13.3	8.7	9.3	11.6	11.3	26.6	19.6	19.1
50,000 to 99,999 lb	24.3	22.7	27.3	23.7	35.7	31.7	31.1	S	S	S
100,000 lb or more	45.8	45.4	S	18.9	S	S	S	—	—	—
SCTG 09, Tobacco products	17.7	29.8	23.8	18.6	29.6	44.6	47.0	14.5	18.9	18.7
Less than 50 lb	8.7	8.4	22.7	17.7	9.1	10.3	10.4	20.3	19.7	19.8
50 to 99 lb	13.9	13.8	17.1	16.3	12.9	13.9	12.4	22.9	22.9	24.8
100 to 499 lb	12.8	12.7	14.4	9.3	10.8	12.1	12.0	23.6	20.3	20.4
500 to 749 lb	10.9	13.9	24.8	20.3	19.3	19.1	26.1	23.3	23.2	24.0
750 to 999 lb	26.5	23.9	35.7	22.2	S	39.5	29.1	49.0	37.0	40.0
1,000 to 9,999 lb	18.2	13.8	18.4	18.6	33.2	24.4	24.8	23.4	16.8	17.4
10,000 to 49,999 lb	22.3	34.9	25.2	47.5	40.3	49.7	S	39.9	33.2	33.5
50,000 to 99,999 lb	S	S	S	25.8	S	S	S	—	—	—
100,000 lb or more	S	46.4	S	32.5	S	S	S	—	—	—
SCTG 10, Monumental or building stone	20.1	23.9	18.9	28.3	27.1	31.2	27.6	36.6	35.6	38.9
Less than 50 lb	S	49.2	S	19.2	41.8	43.6	S	S	S	S
50 to 99 lb	39.9	34.8	41.5	28.4	43.9	40.2	36.8	S	S	S
100 to 499 lb	37.0	37.4	45.0	46.8	42.9	41.2	46.6	S	S	S
500 to 749 lb	33.0	28.2	39.1	28.9	39.3	39.0	49.5	S	S	S
750 to 999 lb	S	33.2	35.2	40.7	S	44.7	49.4	S	S	S
1,000 to 9,999 lb	24.0	18.8	23.1	30.5	42.2	30.9	31.6	42.1	39.7	38.2
10,000 to 49,999 lb	25.9	30.2	19.5	S	39.4	39.1	35.9	S	34.8	36.5
50,000 to 99,999 lb	S	S	48.1	S	38.5	S	S	S	S	S
100,000 lb or more	S	S	40.6	32.4	S	S	S	—	—	—
SCTG 11, Natural sands	11.3	15.4	16.3	19.4	18.1	15.9	13.6	17.1	36.9	36.8
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	32.6	S	24.0	S	42.0	S	—	—	—
100 to 499 lb	42.0	26.3	34.8	43.3	S	29.3	34.0	S	44.1	43.3
500 to 749 lb	38.4	31.9	42.9	23.2	42.6	33.9	45.1	S	S	S
750 to 999 lb	S	49.5	S	31.7	S	41.2	29.7	S	S	S
1,000 to 9,999 lb	26.0	18.3	22.1	46.6	26.5	19.9	24.6	S	S	S
10,000 to 49,999 lb	17.5	19.9	10.7	26.2	26.7	16.5	29.4	25.4	25.4	23.5
50,000 to 99,999 lb	15.9	28.8	31.3	11.2	20.1	23.9	23.0	28.0	S	S
100,000 lb or more	22.5	27.7	27.8	19.5	33.5	43.5	35.6	27.2	34.0	33.7
SCTG 12, Gravel and crushed stone	8.6	8.2	9.0	8.9	8.9	10.0	11.0	13.1	14.5	14.2
Less than 50 lb	S	S	46.0	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	21.1	30.0	25.6	29.5	S	S	S
500 to 749 lb	38.7	S	S	S	38.9	S	S	S	S	S
750 to 999 lb	28.0	32.7	31.8	S	31.5	33.6	36.4	S	S	S
1,000 to 9,999 lb	20.2	15.0	20.1	15.0	24.9	16.7	27.2	47.8	S	46.9
10,000 to 49,999 lb	7.2	8.0	9.8	10.7	8.5	9.4	12.5	20.9	22.0	21.7
50,000 to 99,999 lb	24.2	27.3	18.9	9.4	27.3	30.5	23.2	18.7	21.4	21.0
100,000 lb or more	8.4	11.0	17.8	11.6	11.8	12.1	13.4	23.1	27.4	29.6
SCTG 13, Nonmetallic minerals n.e.c.	12.4	19.4	20.2	15.3	10.6	28.5	31.0	28.9	29.6	24.3
Less than 50 lb	33.7	26.1	38.9	20.1	38.1	39.1	44.9	S	S	S
50 to 99 lb	S	42.7	S	19.4	45.0	34.6	33.0	S	S	S
100 to 499 lb	39.0	26.4	40.3	22.7	46.3	30.6	39.5	36.5	32.1	32.4
500 to 749 lb	38.4	35.8	42.3	33.2	S	48.3	47.8	48.2	S	S
750 to 999 lb	45.6	28.3	36.8	20.0	43.2	24.4	32.5	S	S	S
1,000 to 9,999 lb	26.7	23.8	22.4	15.6	24.4	25.4	26.3	S	43.6	43.7
10,000 to 49,999 lb	22.8	38.6	12.7	27.8	17.6	48.2	S	44.4	25.9	23.6
50,000 to 99,999 lb	14.7	28.6	15.5	22.2	19.9	35.1	46.5	18.4	S	47.3
100,000 lb or more	8.7	15.2	26.1	10.7	17.4	20.3	21.4	38.6	36.1	32.6

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	21.7	30.2	34.4	11.7	46.9	34.1	40.2	35.9	S	S
Less than 50 lb	S	23.9	38.6	28.8	26.3	35.8	36.2	S	S	S
50 to 99 lb	40.6	44.4	S	S	39.0	S	S	S	S	S
100 to 499 lb	47.3	29.6	43.4	47.9	S	43.8	47.4	S	S	S
500 to 749 lb	45.1	S	42.8	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	21.7	38.1	27.5	S	39.1	S	46.5	S	S	S
10,000 to 49,999 lb	28.2	43.9	43.4	42.9	42.8	S	S	36.6	S	S
50,000 to 99,999 lb	40.8	48.2	41.1	S	S	S	S	S	48.4	48.5
100,000 lb or more	49.2	46.3	35.5	15.5	S	S	S	46.1	46.0	46.1
SCTG 15, Coal	8.0	8.0	10.7	28.4	12.9	11.4	14.0	20.5	21.5	29.5
Less than 50 lb	S	S	S	24.5	S	S	S	S	S	S
50 to 99 lb	S	S	S	22.4	S	S	S	—	—	—
100 to 499 lb	S	S	S	29.7	S	S	S	S	S	S
500 to 749 lb	S	S	S	43.9	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	24.3	33.4	47.0	S	30.2	36.3	S	S	S
10,000 to 49,999 lb	19.6	21.1	29.1	27.5	26.6	25.8	40.6	41.4	41.4	41.6
50,000 to 99,999 lb	31.5	29.4	35.2	30.5	37.7	35.9	30.2	29.3	26.9	25.8
100,000 lb or more	7.6	7.7	11.0	37.6	10.5	10.0	14.9	21.4	22.4	30.4
SCTG 17, Gasoline and aviation turbine fuel	4.7	10.7	26.0	7.2	6.0	11.7	7.2	17.5	21.6	20.7
Less than 50 lb	47.2	44.5	39.9	S	47.3	44.5	44.0	—	—	—
50 to 99 lb	23.3	23.0	24.8	26.0	23.8	23.1	22.8	S	S	S
100 to 499 lb	31.3	27.2	28.5	8.9	31.6	27.4	29.5	S	S	S
500 to 749 lb	41.3	27.2	29.6	11.4	41.8	27.5	31.8	S	S	S
750 to 999 lb	31.2	21.5	28.0	14.4	31.6	21.6	25.7	S	S	S
1,000 to 9,999 lb	13.7	15.5	18.4	9.2	14.9	17.0	22.2	20.7	30.9	30.8
10,000 to 49,999 lb	12.5	16.7	22.6	12.5	9.2	12.7	7.9	29.2	33.0	32.7
50,000 to 99,999 lb	6.4	8.6	13.6	7.1	3.8	4.6	4.3	20.7	26.1	24.8
100,000 lb or more	8.2	18.4	29.9	18.5	15.3	22.4	20.1	39.9	42.7	45.6
SCTG 18, Fuel oils	9.3	10.4	18.4	7.6	13.2	15.3	21.9	14.7	19.0	22.2
Less than 50 lb	S	30.8	38.9	13.4	S	30.9	40.1	S	S	S
50 to 99 lb	S	28.1	31.0	33.2	S	29.2	29.8	S	S	S
100 to 499 lb	24.3	11.8	12.1	11.1	24.5	12.1	14.1	S	S	S
500 to 749 lb	21.1	9.6	19.0	14.0	21.8	10.0	15.6	S	S	S
750 to 999 lb	22.4	13.1	12.5	9.9	22.7	13.4	12.6	S	S	S
1,000 to 9,999 lb	11.5	11.2	15.6	14.7	12.5	12.4	13.4	14.7	27.9	27.0
10,000 to 49,999 lb	13.0	13.5	14.8	9.6	15.2	15.7	23.2	25.1	25.6	25.7
50,000 to 99,999 lb	8.5	7.8	10.1	7.0	9.1	8.3	10.9	12.1	12.3	11.3
100,000 lb or more	15.1	16.1	22.3	26.1	23.4	24.3	35.3	37.9	44.1	48.3
SCTG 19, Coal and petroleum products, n.e.c.	7.8	8.5	8.7	18.1	10.4	12.2	14.1	13.0	19.5	22.6
Less than 50 lb	23.0	14.1	37.6	23.5	28.5	16.0	47.8	20.4	25.3	24.7
50 to 99 lb	20.1	17.3	49.2	18.9	19.0	17.6	12.6	30.4	34.0	33.7
100 to 499 lb	14.8	17.5	43.6	20.6	16.2	18.8	18.3	26.8	25.7	25.2
500 to 749 lb	14.9	21.2	22.6	20.3	18.2	23.3	34.0	43.7	31.8	33.3
750 to 999 lb	20.1	25.6	S	23.3	21.7	29.0	36.1	30.7	26.7	27.6
1,000 to 9,999 lb	15.1	16.5	S	21.1	17.1	16.6	22.7	27.5	26.9	27.3
10,000 to 49,999 lb	10.9	18.5	22.5	19.0	13.1	29.7	37.0	12.3	11.9	12.1
50,000 to 99,999 lb	16.4	14.2	15.1	12.4	21.3	18.7	20.0	44.4	23.5	25.4
100,000 lb or more	11.0	10.1	11.1	10.1	15.6	15.3	17.7	30.9	30.7	34.5
SCTG 20, Basic chemicals	17.8	10.5	17.6	13.7	16.5	8.7	9.6	9.5	9.7	10.6
Less than 50 lb	20.6	18.6	24.9	22.6	23.5	20.5	28.3	30.5	43.5	42.5
50 to 99 lb	21.8	27.2	33.4	15.7	19.1	28.8	32.4	40.4	43.6	38.1
100 to 499 lb	14.5	23.1	15.1	19.0	20.7	25.6	31.9	15.5	18.8	18.9
500 to 749 lb	17.0	28.8	28.9	17.0	20.5	28.8	40.8	18.5	23.1	23.2
750 to 999 lb	23.0	29.9	22.5	23.0	30.0	32.9	40.3	12.5	16.4	17.3
1,000 to 9,999 lb	16.8	14.0	33.5	8.0	17.0	12.2	11.6	18.2	11.8	12.0
10,000 to 49,999 lb	21.7	15.7	27.1	7.4	24.3	17.5	17.8	10.9	20.8	22.3
50,000 to 99,999 lb	18.4	11.0	16.3	11.6	24.3	14.9	15.0	28.4	23.0	27.7
100,000 lb or more	17.2	10.1	15.8	3.3	19.2	10.0	12.9	17.4	15.3	16.3
SCTG 21, Pharmaceutical products	9.2	19.3	33.4	8.9	22.0	38.9	28.9	12.0	20.5	21.3
Less than 50 lb	11.4	10.3	13.7	8.8	13.7	13.6	11.5	12.6	15.1	15.2
50 to 99 lb	12.9	8.8	18.9	12.1	16.2	14.8	14.8	13.3	14.9	14.6
100 to 499 lb	11.0	12.3	34.3	13.2	17.9	12.2	10.5	14.5	18.1	17.7
500 to 749 lb	28.1	18.5	37.6	12.0	25.7	15.5	20.6	38.1	27.6	28.2
750 to 999 lb	23.8	24.2	29.7	13.1	35.8	22.1	23.1	47.8	28.0	30.0
1,000 to 9,999 lb	17.0	15.2	20.2	11.6	30.4	12.4	18.8	36.4	40.9	40.3
10,000 to 49,999 lb	17.7	28.8	40.9	8.7	41.9	S	35.6	38.1	36.8	38.7
50,000 to 99,999 lb	S	S	S	23.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	23.9	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	7.3	11.8	9.8	6.7	11.5	18.0	23.0	16.7	8.3	8.8
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	48.4	26.4	38.6	22.7	S	27.1	S	S	S	S
100 to 499 lb	32.2	22.3	35.7	14.3	32.5	19.9	24.7	S	S	S
500 to 749 lb	21.0	27.2	24.2	31.6	28.0	32.1	29.0	26.7	45.8	44.9
750 to 999 lb	20.8	20.2	28.3	29.2	24.0	24.1	25.8	39.9	45.8	41.9
1,000 to 9,999 lb	14.8	14.5	18.9	14.2	12.2	14.6	17.0	35.5	26.5	26.5
10,000 to 49,999 lb	16.3	9.1	15.5	11.9	30.3	13.3	13.7	13.8	9.9	11.1
50,000 to 99,999 lb	17.0	17.0	13.7	9.3	24.8	23.5	30.5	12.2	12.0	12.5
100,000 lb or more	8.9	15.2	11.9	7.8	14.5	22.7	27.4	21.5	21.0	20.1
SCTG 23, Chemical products and preparations, n.e.c.	5.5	7.0	12.1	13.3	5.4	8.0	6.6	8.8	11.3	10.8
Less than 50 lb	14.2	12.7	15.6	15.6	14.0	12.4	11.2	20.5	15.5	16.9
50 to 99 lb	7.6	9.3	11.1	10.4	13.1	13.3	9.4	16.3	15.7	15.7
100 to 499 lb	5.7	20.3	9.6	11.4	11.7	33.4	14.2	15.3	10.2	12.1
500 to 749 lb	8.0	7.3	9.5	8.1	10.6	14.5	12.9	13.8	11.7	11.5
750 to 999 lb	11.2	14.4	13.7	8.2	14.8	24.7	14.5	24.6	15.7	14.7
1,000 to 9,999 lb	5.5	6.4	8.1	4.5	9.1	10.7	12.8	10.1	10.6	11.1
10,000 to 49,999 lb	8.5	8.9	13.0	6.1	7.3	8.8	9.6	12.6	14.0	13.3
50,000 to 99,999 lb	16.6	20.3	26.0	17.3	28.9	31.0	44.3	32.1	26.2	28.0
100,000 lb or more	26.6	18.0	18.5	7.9	46.3	40.1	35.1	39.0	27.9	26.3
SCTG 24, Plastics and rubber	3.7	4.6	6.5	4.6	5.0	10.2	13.3	5.5	8.1	8.5
Less than 50 lb	5.8	6.5	11.3	5.8	7.3	6.2	5.6	9.5	8.4	8.4
50 to 99 lb	6.6	6.6	8.2	5.5	6.0	6.7	6.1	10.1	6.8	6.4
100 to 499 lb	5.2	7.9	7.7	6.3	6.9	11.2	7.9	11.8	8.1	6.8
500 to 749 lb	7.6	11.6	10.6	9.8	14.4	21.0	13.2	12.1	12.6	11.6
750 to 999 lb	6.2	6.0	7.9	5.3	12.8	10.8	13.4	20.9	17.3	16.5
1,000 to 9,999 lb	4.4	5.8	5.7	3.6	7.2	9.5	9.4	9.0	9.3	8.8
10,000 to 49,999 lb	6.0	6.9	7.7	3.7	11.1	19.1	20.0	8.5	10.2	10.8
50,000 to 99,999 lb	15.2	14.3	21.8	16.1	29.3	22.8	23.6	49.2	40.4	42.0
100,000 lb or more	6.5	8.4	9.1	3.6	19.4	19.3	27.2	27.1	26.6	25.4
SCTG 25, Logs and other wood in the rough	9.5	14.6	18.5	15.5	12.9	17.9	14.8	21.3	33.2	32.3
Less than 50 lb	S	S	S	19.8	S	S	S	—	—	—
50 to 99 lb	S	47.3	S	42.1	S	S	S	S	S	S
100 to 499 lb	44.5	31.9	S	S	43.2	35.9	S	S	S	S
500 to 749 lb	42.0	S	S	27.0	38.9	S	43.9	S	S	S
750 to 999 lb	S	32.3	S	34.6	S	S	S	S	S	S
1,000 to 9,999 lb	24.0	35.3	21.1	S	24.8	43.6	49.3	42.4	42.4	42.3
10,000 to 49,999 lb	11.3	14.9	17.2	7.1	13.3	15.6	14.3	16.8	31.0	29.8
50,000 to 99,999 lb	12.3	18.1	20.5	5.9	15.7	21.7	18.9	27.3	38.4	38.1
100,000 lb or more	24.2	33.9	47.8	S	41.3	S	S	S	S	S
SCTG 26, Wood products	7.0	13.1	17.0	8.9	4.7	13.5	12.8	5.4	18.6	18.7
Less than 50 lb	17.8	16.2	28.8	10.3	10.9	11.1	15.2	16.2	18.3	17.9
50 to 99 lb	13.9	10.6	23.6	11.6	10.0	9.1	11.8	23.0	20.6	21.2
100 to 499 lb	10.3	8.9	13.4	6.7	10.2	10.1	9.9	10.8	11.2	11.3
500 to 749 lb	9.9	10.9	11.1	10.8	14.5	13.2	11.4	24.0	22.4	21.7
750 to 999 lb	9.0	13.4	13.1	13.1	13.9	19.9	12.1	14.8	20.0	20.6
1,000 to 9,999 lb	4.6	6.9	7.3	8.1	6.3	9.9	7.0	8.2	8.1	8.4
10,000 to 49,999 lb	7.7	12.9	11.8	4.5	7.3	15.7	10.8	7.2	11.5	10.9
50,000 to 99,999 lb	7.1	22.3	12.9	11.0	11.1	26.6	25.9	12.1	33.0	33.8
100,000 lb or more	24.6	25.5	29.5	6.7	32.4	28.1	33.4	23.3	48.9	46.0
SCTG 27, Pulp, newsprint, paper, and paperboard	5.7	4.2	5.3	7.7	11.3	7.7	9.3	6.3	8.0	8.2
Less than 50 lb	9.3	8.5	15.7	21.1	9.1	9.5	12.9	16.1	17.7	16.0
50 to 99 lb	9.4	10.9	24.3	22.4	8.3	10.1	12.3	27.1	36.8	36.1
100 to 499 lb	10.9	10.3	20.2	12.8	13.9	10.7	12.0	20.7	16.1	15.6
500 to 749 lb	12.2	10.6	16.9	9.7	17.1	13.6	12.5	24.2	12.1	12.6
750 to 999 lb	9.9	8.6	21.0	13.2	12.2	8.8	14.5	17.1	15.4	16.0
1,000 to 9,999 lb	8.5	9.1	12.1	11.0	9.9	12.3	15.5	10.7	11.9	12.0
10,000 to 49,999 lb	8.3	5.7	6.6	3.4	23.6	10.5	10.8	10.3	10.0	10.7
50,000 to 99,999 lb	14.2	15.8	15.0	11.0	21.8	23.3	26.0	32.5	30.5	28.7
100,000 lb or more	4.4	6.0	7.4	2.4	17.6	17.6	26.3	18.3	17.6	16.9
SCTG 28, Paper or paperboard articles	5.1	4.8	7.3	8.4	5.9	6.5	6.6	5.5	8.4	8.2
Less than 50 lb	10.6	6.9	15.3	9.9	11.0	6.8	10.4	12.6	12.7	12.1
50 to 99 lb	9.4	11.0	23.9	13.8	9.8	9.4	11.2	24.9	27.4	27.5
100 to 499 lb	7.0	6.8	11.4	10.4	7.4	7.8	7.7	10.0	10.6	10.8
500 to 749 lb	11.6	9.2	16.7	9.2	9.6	9.8	14.7	17.2	16.1	16.1
750 to 999 lb	11.8	9.0	11.9	12.8	17.6	11.5	15.2	29.0	18.6	19.7
1,000 to 9,999 lb	5.9	6.3	8.1	6.9	7.0	9.5	8.2	8.0	8.3	8.4
10,000 to 49,999 lb	7.5	5.6	7.7	4.9	10.6	8.2	8.2	8.4	11.3	11.0
50,000 to 99,999 lb	25.2	21.5	33.1	25.2	S	37.6	36.4	S	39.5	38.7
100,000 lb or more	30.1	24.4	30.5	16.5	S	S	S	S	45.5	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	4.8	8.8	6.5	11.7	6.6	13.5	10.8	4.8	9.8	9.9
Less than 50 lb	8.0	10.4	11.9	13.0	11.7	17.6	25.0	22.1	42.5	41.0
50 to 99 lb	13.0	9.9	14.0	9.7	6.4	12.4	14.3	15.2	15.7	16.9
100 to 499 lb	14.5	11.6	15.2	12.2	23.4	14.1	13.1	10.7	9.1	8.9
500 to 749 lb	8.9	18.5	10.5	16.8	16.5	26.1	12.3	21.4	15.1	15.1
750 to 999 lb	10.7	21.5	10.1	19.4	16.8	28.2	17.1	31.8	18.5	17.1
1,000 to 9,999 lb	6.6	7.5	7.3	7.7	7.2	9.2	10.9	8.4	13.8	14.6
10,000 to 49,999 lb	6.8	12.9	10.4	10.1	12.4	21.8	18.6	14.2	18.4	18.2
50,000 to 99,999 lb	23.5	32.5	S	20.3	34.1	39.3	37.7	S	48.2	49.4
100,000 lb or more	S	S	S	S	S	S	34.5	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	10.2	5.8	7.5	2.4	14.3	8.7	8.9	44.3	7.2	7.2
Less than 50 lb	6.7	5.5	5.8	2.6	10.3	9.4	7.7	15.8	10.7	11.6
50 to 99 lb	6.2	6.1	7.8	4.0	13.5	10.8	10.1	20.0	17.4	18.7
100 to 499 lb	5.6	5.3	6.4	3.4	10.8	8.5	8.3	10.0	12.2	11.3
500 to 749 lb	6.2	6.7	9.7	5.4	15.8	19.8	26.0	16.3	27.9	31.0
750 to 999 lb	11.7	7.9	9.1	5.1	14.6	16.6	9.5	20.1	15.4	16.7
1,000 to 9,999 lb	27.9	6.9	9.1	4.2	33.4	13.0	10.7	S	24.9	25.9
10,000 to 49,999 lb	7.1	6.4	10.7	5.0	9.0	9.4	11.3	5.8	6.5	6.7
50,000 to 99,999 lb	45.1	40.5	28.1	25.4	S	49.8	41.4	35.8	41.4	41.7
100,000 lb or more	19.7	23.3	39.0	17.6	38.9	37.6	S	S	S	S
SCTG 31, Nonmetallic mineral products	3.8	4.8	4.7	9.0	4.4	6.6	6.6	4.6	11.0	10.4
Less than 50 lb	18.4	26.9	13.3	11.0	29.8	41.3	49.1	21.2	15.1	15.8
50 to 99 lb	12.4	10.5	15.3	15.6	14.9	9.3	12.8	32.3	31.4	30.2
100 to 499 lb	9.4	8.9	12.4	9.9	10.4	10.6	13.0	16.0	16.9	16.7
500 to 749 lb	11.9	10.5	15.3	14.5	16.3	12.0	13.3	22.9	17.4	17.4
750 to 999 lb	18.0	13.9	20.8	14.6	21.1	16.4	14.6	26.0	26.5	28.8
1,000 to 9,999 lb	13.8	6.5	7.7	7.3	10.3	8.1	11.7	8.2	10.0	10.3
10,000 to 49,999 lb	4.4	5.8	6.2	6.1	6.7	6.9	6.9	6.8	16.3	15.4
50,000 to 99,999 lb	7.5	8.1	8.3	5.0	8.3	9.5	12.5	11.4	12.5	12.3
100,000 lb or more	14.0	28.0	12.6	21.1	31.6	40.3	43.6	24.2	24.7	22.6
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	3.8	9.5	7.6	4.8	6.5	13.8	13.7	8.2	13.8	14.4
Less than 50 lb	18.0	8.5	11.8	7.9	15.1	10.4	10.1	14.8	12.4	12.5
50 to 99 lb	10.3	8.0	11.4	11.4	17.7	11.1	8.9	24.4	19.3	22.1
100 to 499 lb	6.3	6.9	11.6	11.3	7.9	11.3	10.9	12.1	11.1	11.8
500 to 749 lb	6.8	5.7	9.7	8.3	7.8	9.8	10.6	20.7	12.5	12.4
750 to 999 lb	11.0	6.8	9.5	9.3	8.8	10.7	13.6	30.3	20.7	21.0
1,000 to 9,999 lb	4.1	7.0	7.7	8.2	7.6	12.6	10.9	11.2	9.2	8.9
10,000 to 49,999 lb	4.1	6.0	5.9	3.8	7.2	10.2	19.3	9.0	16.4	17.5
50,000 to 99,999 lb	11.5	14.6	16.1	11.9	17.1	18.2	19.8	25.5	27.7	27.6
100,000 lb or more	19.4	27.8	15.6	11.1	S	S	47.4	41.8	36.9	34.4
SCTG 33, Articles of base metal	3.0	7.9	10.5	6.1	3.3	8.8	7.8	6.6	16.5	17.6
Less than 50 lb	8.4	6.7	8.9	7.5	7.7	7.7	7.0	14.3	10.9	10.6
50 to 99 lb	9.5	6.5	12.2	7.8	11.4	6.0	6.8	16.2	16.6	14.9
100 to 499 lb	6.2	4.8	7.7	7.2	6.6	6.0	6.1	12.9	8.8	8.8
500 to 749 lb	6.4	4.9	6.6	6.9	10.7	8.9	8.7	19.5	12.4	13.1
750 to 999 lb	9.7	6.9	14.5	8.5	16.2	11.3	11.0	21.6	12.2	12.5
1,000 to 9,999 lb	4.4	4.2	3.3	3.4	6.7	6.1	7.1	10.0	10.6	11.1
10,000 to 49,999 lb	4.8	9.6	11.6	5.4	8.7	16.2	15.5	11.6	13.5	13.7
50,000 to 99,999 lb	31.8	24.6	31.2	17.6	17.3	16.8	16.1	46.9	S	S
100,000 lb or more	23.2	19.5	22.6	12.6	30.8	26.7	23.5	49.5	40.8	40.5
SCTG 34, Machinery	4.8	3.8	4.3	4.5	5.9	7.9	12.0	13.3	16.3	17.0
Less than 50 lb	5.9	7.6	7.9	5.7	6.3	9.4	11.4	14.6	10.6	11.1
50 to 99 lb	7.5	10.7	14.0	6.9	11.4	10.9	14.3	17.8	14.9	15.2
100 to 499 lb	4.7	5.8	6.7	5.1	7.1	9.3	9.6	10.4	8.1	8.8
500 to 749 lb	8.3	5.9	7.5	5.5	12.2	12.0	12.7	13.4	13.3	12.9
750 to 999 lb	10.9	8.1	12.0	6.8	13.6	11.3	12.7	20.6	18.1	18.8
1,000 to 9,999 lb	7.4	6.3	5.3	4.1	15.0	17.5	28.2	30.5	13.5	13.7
10,000 to 49,999 lb	10.1	6.8	7.0	4.4	12.6	12.1	13.4	11.3	25.2	26.7
50,000 to 99,999 lb	33.4	13.8	19.1	10.4	34.7	30.6	37.0	S	43.6	40.9
100,000 lb or more	33.6	19.3	30.4	14.0	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	9.6	8.0	8.1	5.0	15.6	14.6	21.7	10.7	14.6	17.7
Less than 50 lb	7.1	4.4	6.5	4.8	10.2	6.7	7.0	11.3	7.2	7.0
50 to 99 lb	16.0	8.6	14.4	6.9	25.1	6.4	8.4	18.5	11.6	11.9
100 to 499 lb	16.1	11.0	21.7	8.7	17.0	8.3	9.9	11.5	19.2	19.6
500 to 749 lb	14.8	17.3	12.2	7.4	28.3	9.5	9.9	22.0	18.0	19.5
750 to 999 lb	13.1	17.5	24.6	9.5	22.6	11.8	20.4	29.2	S	46.4
1,000 to 9,999 lb	19.0	12.7	11.3	5.5	22.2	17.3	24.4	24.3	28.4	34.2
10,000 to 49,999 lb	20.0	7.8	10.0	4.9	S	26.2	40.9	21.2	21.1	23.0
50,000 to 99,999 lb	31.8	44.7	S	14.1	36.5	38.4	S	S	S	S
100,000 lb or more	23.4	S	24.0	31.4	34.9	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	7.7	7.3	8.6	7.6	11.0	10.8	16.5	16.5	18.0	17.3
Less than 50 lb	7.0	7.1	7.9	8.9	8.6	10.7	11.0	9.9	11.9	11.1
50 to 99 lb	9.1	8.7	7.3	9.7	13.8	14.9	16.9	16.3	14.5	14.2
100 to 499 lb	10.1	7.6	8.2	6.9	11.5	12.0	11.5	15.0	12.7	12.3
500 to 749 lb	14.8	8.1	13.3	10.3	18.8	15.3	16.0	33.3	19.4	20.4
750 to 999 lb	18.1	16.3	12.9	12.8	27.9	25.5	44.0	S	S	S
1,000 to 9,999 lb	13.2	12.2	18.5	7.5	23.5	18.5	9.9	21.9	16.0	16.1
10,000 to 49,999 lb	7.6	8.9	8.3	5.2	22.0	23.1	29.4	35.8	30.4	30.0
50,000 to 99,999 lb	34.4	20.2	27.4	14.8	49.1	42.9	31.5	28.7	30.2	31.0
100,000 lb or more	S	30.0	45.9	19.4	30.7	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	11.8	13.5	12.6	6.1	26.3	30.0	40.5	20.0	29.0	37.3
Less than 50 lb	18.8	22.4	25.6	7.5	23.1	38.6	43.5	36.4	35.1	36.5
50 to 99 lb	30.7	16.3	20.5	11.0	35.3	41.4	44.0	S	S	43.9
100 to 499 lb	13.8	17.2	16.6	6.9	24.0	32.8	36.7	41.3	27.5	27.9
500 to 749 lb	17.9	15.1	14.0	10.3	40.9	31.7	48.2	S	S	S
750 to 999 lb	44.2	14.2	18.5	12.7	S	S	S	S	S	S
1,000 to 9,999 lb	18.7	14.2	13.5	6.9	S	22.4	27.6	35.5	29.6	29.8
10,000 to 49,999 lb	22.9	20.4	14.1	10.6	24.8	S	S	S	36.6	35.9
50,000 to 99,999 lb	35.0	41.4	46.3	14.6	S	S	S	—	—	—
100,000 lb or more	27.1	28.2	30.1	19.7	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	19.1	16.6	19.7	7.6	10.0	11.6	15.5	14.8	S	S
Less than 50 lb	34.8	26.4	37.3	7.7	13.0	15.1	14.2	21.8	19.9	19.8
50 to 99 lb	18.4	21.3	29.8	8.8	20.8	25.4	30.1	38.9	30.1	30.6
100 to 499 lb	8.3	10.3	12.7	12.5	23.2	18.2	21.3	29.4	16.4	19.9
500 to 749 lb	19.0	13.5	14.5	10.5	29.4	22.2	26.9	S	41.9	43.0
750 to 999 lb	16.4	18.3	24.3	10.8	28.5	20.3	27.1	39.7	S	S
1,000 to 9,999 lb	16.3	18.2	39.8	10.8	22.6	27.4	35.2	31.0	28.4	28.0
10,000 to 49,999 lb	21.2	47.2	36.3	17.0	39.2	35.4	34.1	43.2	S	S
50,000 to 99,999 lb	S	S	S	21.8	—	—	—	—	—	—
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.8	8.0	6.3	4.3	12.7	16.9	24.7	24.1	17.0	15.1
Less than 50 lb	12.3	13.3	16.2	7.9	19.9	19.2	13.2	24.8	18.6	18.8
50 to 99 lb	10.2	9.2	11.0	6.8	18.2	17.5	14.1	30.3	12.4	13.7
100 to 499 lb	10.3	5.8	5.7	4.0	17.5	12.8	14.6	6.9	8.8	8.8
500 to 749 lb	8.9	6.6	5.9	4.4	19.4	10.6	10.6	9.4	10.7	12.0
750 to 999 lb	8.7	8.5	10.4	6.6	12.3	15.2	15.9	14.4	15.9	15.0
1,000 to 9,999 lb	18.7	12.6	7.0	5.2	24.0	29.5	42.4	41.5	26.1	23.8
10,000 to 49,999 lb	19.7	12.3	11.2	5.8	24.5	19.7	20.8	15.8	26.0	22.5
50,000 to 99,999 lb	38.2	42.6	S	17.6	S	45.8	45.7	S	S	S
100,000 lb or more	S	S	S	25.5	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	7.6	7.5	7.4	5.4	6.6	20.9	18.5	14.0	15.4	14.3
Less than 50 lb	21.6	5.5	9.0	5.6	10.0	9.0	7.3	8.3	12.6	14.1
50 to 99 lb	8.2	7.3	9.1	5.8	10.1	10.1	11.2	10.6	13.0	13.1
100 to 499 lb	4.7	5.8	12.1	6.0	10.6	9.1	9.4	8.6	12.4	14.8
500 to 749 lb	9.1	4.8	7.8	6.9	9.1	8.0	9.9	18.4	16.0	15.8
750 to 999 lb	6.9	7.7	8.8	9.6	13.1	13.5	11.2	16.3	15.8	16.3
1,000 to 9,999 lb	5.2	6.9	5.9	7.0	11.3	15.1	16.2	11.4	9.5	9.3
10,000 to 49,999 lb	14.7	10.6	10.7	10.4	11.4	30.3	24.2	32.0	19.2	19.4
50,000 to 99,999 lb	18.4	27.1	15.9	21.7	S	38.7	S	30.8	39.3	39.6
100,000 lb or more	25.4	18.6	20.4	14.3	39.5	S	S	43.5	S	S
SCTG 41, Waste and scrap .	5.7	6.2	7.9	8.6	17.6	11.8	16.4	10.1	14.9	14.4
Less than 50 lb	37.8	S	S	37.1	43.5	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	33.3	38.3	36.7	34.1	45.6	45.5	42.3	42.4	S	S
500 to 749 lb	S	S	47.4	S	S	S	S	S	S	S
750 to 999 lb	S	S	47.5	46.5	S	S	S	S	S	S
1,000 to 9,999 lb	S	37.2	22.4	S	S	41.0	39.6	41.7	43.8	41.2
10,000 to 49,999 lb	6.9	9.0	11.7	7.3	17.3	17.0	23.1	10.8	17.1	16.4
50,000 to 99,999 lb	15.7	15.5	13.0	12.7	23.5	23.0	35.1	12.6	24.3	26.1
100,000 lb or more	12.2	9.2	12.7	9.1	24.5	20.2	23.7	30.6	30.0	29.3
SCTG 43, Mixed freight	13.7	15.2	10.8	9.9	18.0	22.1	23.8	15.0	15.8	15.0
Less than 50 lb	21.5	21.8	41.0	15.1	25.0	16.8	17.3	28.5	34.7	35.1
50 to 99 lb	17.8	19.3	37.4	13.9	20.4	17.4	16.5	30.6	31.8	30.8
100 to 499 lb	12.0	12.6	19.2	10.0	10.9	12.2	12.4	18.2	22.7	23.0
500 to 749 lb	10.4	11.2	15.1	8.9	14.8	14.7	13.6	21.6	22.7	22.8
750 to 999 lb	11.7	11.3	17.0	9.1	11.2	12.4	16.1	20.4	13.6	13.6
1,000 to 9,999 lb	9.8	6.6	11.8	8.9	8.3	9.7	12.8	13.0	9.1	9.0
10,000 to 49,999 lb	21.1	21.5	16.6	8.4	27.6	30.8	32.0	23.2	21.6	20.5
50,000 to 99,999 lb	27.0	25.4	34.3	20.8	48.9	47.7	40.1	S	48.3	47.3
100,000 lb or more	43.8	36.1	S	19.3	S	46.9	S	S	S	S

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	14.0	S	S	13.2	15.5	16.6	14.4	24.9	21.5	21.3
Less than 50 lb	16.9	12.2	19.3	9.8	18.3	18.4	18.9	39.3	28.1	27.4
50 to 99 lb	20.6	18.6	37.7	S	31.1	27.7	26.2	38.3	27.4	28.0
100 to 499 lb	13.4	17.0	31.5	15.0	16.9	24.5	30.3	36.1	44.9	47.6
500 to 749 lb	36.2	32.5	15.5	22.6	33.3	39.4	46.8	42.4	47.6	S
750 to 999 lb	23.5	21.2	23.6	35.7	37.3	30.1	33.7	S	S	S
1,000 to 9,999 lb	16.0	22.8	25.3	14.3	28.6	17.1	20.1	38.7	32.8	31.5
10,000 to 49,999 lb	23.5	22.1	24.1	15.7	35.5	25.3	23.2	33.1	30.9	30.7
50,000 to 99,999 lb	35.8	S	S	16.2	29.4	37.0	32.3	38.9	45.7	46.1
100,000 lb or more	33.4	39.3	47.3	20.0	S	45.1	47.3	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	3.9	4.6	5.6	3.6	6.6	6.3	2.0	6.9	7.8	2.7	9.8	9.2
Less than 50 lb	3.6	4.3	4.5	4.5	2.7	2.7	7.2	3.0	3.0	9.1	5.0	4.8
50 to 99 lb	6.2	6.0	6.1	3.5	4.6	4.2	5.9	4.7	4.5	8.3	6.3	6.1
100 to 499 lb	4.9	3.9	4.0	4.5	3.8	3.5	4.4	3.4	3.6	7.6	2.8	2.8
500 to 749 lb	7.4	6.2	6.4	7.0	6.6	5.7	6.3	5.1	4.9	8.5	5.1	5.0
750 to 999 lb	5.3	5.3	5.4	7.5	4.1	3.9	6.2	4.2	4.4	19.2	7.6	7.4
1,000 to 9,999 lb	7.2	3.4	3.3	9.8	3.7	3.8	6.9	4.3	4.5	6.6	4.9	5.1
10,000 to 49,999 lb	8.0	4.5	4.4	4.0	3.2	2.9	2.7	3.2	3.3	4.1	4.4	4.6
50,000 to 99,999 lb	11.8	5.6	6.0	11.9	34.0	27.0	24.2	16.2	17.8	20.4	15.8	16.0
100,000 lb or more	7.0	8.1	9.2	12.7	9.0	9.1	7.3	11.9	12.5	4.5	15.2	13.9
SCTG 01, Live animals and live fish	49.6	S	S	23.3	28.1	30.5	42.4	45.8	48.3	43.0	42.6	41.8
Less than 50 lb	48.5	43.9	44.4	50.0	S	S	46.5	39.0	38.5	S	S	S
50 to 99 lb	43.6	37.4	38.0	S	S	S	S	S	S	S	—	—
100 to 499 lb	39.4	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	43.2	49.9	48.9	40.5	36.7	36.3	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	24.7	30.1	32.7	38.8	41.9	44.2	46.8	45.9	44.7
50,000 to 99,999 lb	28.9	29.7	30.7	43.3	46.7	50.0	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 02, Cereal grains	17.8	15.6	15.1	16.4	17.7	19.0	39.0	32.1	32.5	38.0	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	49.5	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	22.2	18.1	19.1	42.7	S	S	37.7	34.1	33.1	50.0	S	S
50,000 to 99,999 lb	30.3	29.2	27.7	S	S	S	45.3	49.9	S	—	—	—
100,000 lb or more	26.7	24.7	25.6	25.1	25.2	26.7	40.5	33.7	33.7	39.4	S	S
SCTG 03, Other agricultural products	15.9	24.4	33.1	14.2	22.8	23.7	16.1	34.2	34.3	18.4	36.0	35.7
Less than 50 lb	32.9	32.0	30.5	37.4	S	S	30.5	49.8	S	38.8	S	49.8
50 to 99 lb	S	42.9	34.7	48.1	42.9	44.3	30.7	22.1	22.0	43.4	31.9	31.0
100 to 499 lb	21.2	16.2	15.7	38.2	24.2	24.6	31.4	21.9	21.5	16.0	16.9	17.2
500 to 749 lb	25.2	23.7	22.0	25.9	24.5	24.7	S	36.5	35.0	31.1	36.5	37.4
750 to 999 lb	24.7	29.0	32.9	34.2	33.5	34.2	44.7	41.9	40.6	S	S	S
1,000 to 9,999 lb	17.3	23.7	22.6	20.7	20.1	20.6	31.6	24.7	24.6	22.4	23.0	23.8
10,000 to 49,999 lb	16.2	19.1	21.1	14.2	29.3	29.4	18.5	26.0	27.4	18.6	21.1	21.0
50,000 to 99,999 lb	41.1	25.7	26.8	48.9	36.6	38.5	40.4	S	S	S	41.3	40.6
100,000 lb or more	S	S	S	27.9	37.4	36.9	38.5	43.9	42.3	38.3	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	24.0	9.7	9.4	14.2	13.5	13.7	21.8	26.6	28.4	38.1	27.5	27.8
Less than 50 lb	39.4	29.0	31.3	46.1	S	S	S	S	S	S	S	49.7
50 to 99 lb	S	49.8	S	41.0	39.3	40.3	S	S	S	S	S	S
100 to 499 lb	S	49.6	S	39.6	30.2	28.7	S	39.4	43.1	S	S	S
500 to 749 lb	43.9	43.1	42.2	S	S	S	S	S	S	S	S	S
750 to 999 lb	41.5	36.5	36.3	39.0	44.0	43.3	S	S	S	S	S	S
1,000 to 9,999 lb	32.6	24.3	23.7	30.8	28.9	29.1	47.0	S	S	25.7	29.7	30.1
10,000 to 49,999 lb	34.5	13.2	12.5	18.4	16.5	16.9	21.3	21.3	21.3	30.0	21.7	21.6
50,000 to 99,999 lb	16.5	20.0	17.9	16.6	17.1	18.5	22.1	35.4	35.4	S	S	S
100,000 lb or more	30.8	26.9	27.1	32.1	32.7	27.5	S	S	S	33.9	38.3	37.9
SCTG 05, Meat, fish, seafood, and their preparations	6.5	5.8	5.8	7.8	9.0	8.6	7.3	7.8	7.9	13.1	10.1	10.3
Less than 50 lb	38.4	45.6	42.2	S	S	S	S	S	S	S	S	S
50 to 99 lb	35.0	40.5	35.2	S	S	S	S	S	S	S	S	S
100 to 499 lb	19.6	19.2	16.3	45.2	34.4	35.1	30.2	26.3	26.8	29.9	23.0	23.3
500 to 749 lb	17.2	19.3	19.8	32.2	31.0	29.4	29.8	35.2	38.0	25.9	27.9	27.6
750 to 999 lb	18.6	14.7	14.4	22.8	29.4	25.8	20.7	25.1	28.3	35.5	S	S
1,000 to 9,999 lb	10.2	10.8	11.1	9.6	12.4	12.6	17.6	16.7	17.2	23.0	15.2	15.6
10,000 to 49,999 lb	7.7	7.1	6.8	9.4	10.1	9.6	7.9	8.6	8.7	14.5	10.9	11.3
50,000 to 99,999 lb	S	37.5	46.1	45.9	37.4	38.8	42.9	31.8	33.0	S	S	S
100,000 lb or more	S	39.7	38.4	S	45.4	44.5	44.0	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	24.8	9.8	9.6	14.3	16.5	14.5	12.3	8.4	8.5	8.3	8.7	9.7
Less than 50 lb	S	S	S	40.6	26.5	28.0	38.9	40.2	40.1	42.3	35.9	35.6
50 to 99 lb	44.5	32.5	31.8	48.6	39.0	43.6	S	42.9	42.7	S	S	S
100 to 499 lb	31.7	22.0	23.3	S	40.9	41.7	33.5	39.2	38.5	40.8	39.4	41.3
500 to 749 lb	S	32.5	35.8	S	S	48.5	S	S	S	S	48.3	47.3
750 to 999 lb	S	37.0	39.3	39.2	36.7	38.2	40.2	41.3	41.4	S	S	S
1,000 to 9,999 lb	28.5	17.7	17.3	27.9	17.8	17.7	25.2	19.1	19.3	18.1	16.0	16.3
10,000 to 49,999 lb	32.9	10.0	9.2	11.8	18.6	16.6	10.9	9.6	9.7	9.4	8.2	8.5
50,000 to 99,999 lb	36.2	43.9	S	44.9	S	S	48.9	S	S	S	46.5	46.6
100,000 lb or more	47.0	32.9	30.6	23.4	21.5	21.0	21.2	18.9	18.9	25.7	20.6	21.1

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	17.5	11.4	11.0	5.9	7.9	8.1	7.8	11.8	12.6	7.8	13.2	13.2
Less than 50 lb	31.3	27.5	28.2	23.0	21.9	21.4	39.8	37.0	36.2	46.2	45.8	45.4
50 to 99 lb	26.2	45.0	42.3	23.1	19.7	20.2	S	S	S	S	S	S
100 to 499 lb	15.2	24.7	21.9	22.5	19.7	19.3	33.1	29.5	30.2	S	45.3	45.2
500 to 749 lb	18.5	23.0	23.2	14.1	18.9	19.8	30.0	31.4	30.4	27.6	26.8	26.9
750 to 999 lb	11.4	17.1	15.9	21.3	20.6	22.6	33.8	38.9	39.1	39.5	41.0	41.4
1,000 to 9,999 lb	10.1	9.9	10.8	14.4	14.8	14.6	18.0	17.6	17.9	14.2	19.2	18.8
10,000 to 49,999 lb	24.5	12.2	12.0	6.7	9.4	9.1	6.5	8.7	9.0	9.4	10.9	11.1
50,000 to 99,999 lb	31.2	36.0	32.9	36.7	30.7	29.9	40.9	37.5	36.2	46.7	40.2	39.2
100,000 lb or more	40.1	35.2	34.4	13.9	14.0	15.2	26.0	21.4	22.8	41.6	39.9	37.8
SCTG 08, Alcoholic beverages	10.5	13.3	13.4	18.3	17.2	16.7	18.8	22.4	24.8	21.9	29.2	28.7
Less than 50 lb	24.3	21.5	21.5	S	S	S	S	S	S	S	S	S
50 to 99 lb	23.2	19.4	20.3	S	42.8	40.8	S	S	S	S	S	S
100 to 499 lb	13.4	12.8	12.8	44.9	46.9	44.4	49.0	S	S	S	S	S
500 to 749 lb	25.1	16.4	17.3	S	S	S	S	S	S	S	S	S
750 to 999 lb	19.8	23.2	23.2	47.3	S	S	S	41.5	42.2	S	S	S
1,000 to 9,999 lb	14.0	22.8	21.4	34.4	31.3	32.8	30.7	34.3	35.5	32.9	S	S
10,000 to 49,999 lb	13.9	14.0	14.1	16.6	15.2	14.9	17.4	18.6	19.4	20.9	24.2	23.5
50,000 to 99,999 lb	30.9	30.0	27.7	37.6	37.5	36.2	S	S	S	S	S	S
100,000 lb or more	42.2	43.8	46.0	S	S	S	S	S	S	S	S	S
SCTG 09, Tobacco products	16.5	19.5	18.5	22.0	18.4	18.5	21.7	20.9	20.9	27.6	26.2	26.7
Less than 50 lb	29.2	24.3	25.8	25.3	33.1	35.3	36.0	22.5	24.0	28.3	34.8	35.5
50 to 99 lb	42.4	33.1	30.8	30.1	31.6	31.4	31.6	27.6	27.8	42.3	41.4	39.3
100 to 499 lb	18.0	19.1	20.3	25.9	24.4	23.6	28.2	22.8	22.3	35.8	37.0	37.1
500 to 749 lb	27.2	27.1	29.7	35.7	31.3	31.2	41.5	43.4	48.5	S	S	S
750 to 999 lb	39.3	37.8	39.4	40.8	33.2	34.2	S	S	S	S	S	S
1,000 to 9,999 lb	28.8	22.2	27.1	32.8	28.1	29.4	29.8	28.8	28.2	46.7	34.6	33.5
10,000 to 49,999 lb	32.3	21.9	19.8	24.7	19.9	20.1	26.5	25.8	25.8	32.0	32.5	33.0
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	42.7	31.9	32.6	37.8	25.8	25.0	31.3	24.8	25.4	41.6	34.0	32.7
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	48.7	45.5	46.0	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	49.1	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	37.3	35.9	36.4	S	S	S	S	S	S
1,000 to 9,999 lb	32.0	38.6	42.4	41.4	30.8	31.5	35.6	29.9	29.1	32.8	35.0	34.8
10,000 to 49,999 lb	S	36.1	36.8	34.9	28.0	27.2	40.0	33.3	33.9	S	41.4	41.1
50,000 to 99,999 lb	43.9	S	S	38.0	36.8	34.5	—	—	—	S	S	S
100,000 lb or more	47.3	S	S	S	S	S	S	S	S	S	S	S
SCTG 11, Natural sands	17.6	26.1	31.9	23.9	30.0	30.3	36.1	31.9	34.2	38.4	37.4	39.9
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	31.8	34.2	36.2	S	35.4	37.6	32.4	47.7	S	S	S	S
10,000 to 49,999 lb	27.7	20.3	21.1	31.0	21.7	20.9	33.6	29.0	27.9	30.0	29.3	29.8
50,000 to 99,999 lb	18.8	23.7	22.2	34.7	45.7	45.0	S	49.9	48.6	—	—	—
100,000 lb or more	32.7	32.7	37.4	35.6	33.0	32.0	S	42.2	42.9	S	46.9	47.9
SCTG 12, Gravel and crushed stone	9.7	11.7	12.0	16.9	22.6	23.1	S	43.1	46.4	35.7	34.3	34.2
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	29.8	28.7	29.3	31.0	31.9	S	S	S	S	S	S
10,000 to 49,999 lb	15.5	17.5	19.5	24.8	35.2	45.1	S	48.2	47.4	43.3	44.0	44.2
50,000 to 99,999 lb	19.1	22.6	22.7	30.4	38.4	37.3	S	S	S	47.1	46.1	46.1
100,000 lb or more	15.4	18.5	17.9	25.8	36.0	32.6	37.6	49.7	S	48.0	S	S
SCTG 13, Nonmetallic minerals n.e.c.	34.9	15.7	23.9	28.4	10.9	10.4	12.6	46.6	S	10.3	16.0	17.1
Less than 50 lb	40.8	S	S	S	45.2	45.4	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	41.6	S	S	S	S	S
100 to 499 lb	42.9	36.5	36.0	S	46.7	47.8	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	47.2	42.7	47.8	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	36.5	36.2	38.0	29.6	35.4	33.6	39.4	38.4	37.3	S	36.6	36.1
10,000 to 49,999 lb	S	14.2	14.9	39.7	18.4	18.0	10.8	10.5	11.0	15.0	12.6	12.4
50,000 to 99,999 lb	26.9	17.1	20.9	34.9	22.0	22.3	30.4	27.4	26.4	S	40.9	42.6
100,000 lb or more	16.2	29.8	42.5	16.7	12.8	13.1	18.2	S	S	16.6	17.9	18.7

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	27.9	46.5	37.3	29.8	28.5	29.5	20.2	36.0	40.0	28.9	41.2	42.2
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	47.1	46.1	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	45.4	45.9	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	47.1	40.6	38.9	35.5	43.1	43.3	41.1	35.6	35.1
10,000 to 49,999 lb	46.9	S	S	39.7	43.2	44.4	31.9	46.0	44.7	37.8	31.8	31.8
50,000 to 99,999 lb	41.9	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	39.0	38.6	34.3	49.6	41.1	43.5	39.0	37.2	42.5	45.8	46.6	46.4
SCTG 15, Coal	11.9	12.9	13.3	11.5	12.5	12.3	23.8	26.6	29.5	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	41.7	43.7	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	35.5	34.9	35.4	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	35.7	37.0	40.4	43.5	44.4	45.2	S	S	S	—	—	—
100,000 lb or more	12.2	13.1	13.3	11.9	12.7	12.6	26.4	28.9	31.9	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	10.3	12.0	12.7	29.6	32.1	27.0	28.0	39.6	41.0	31.2	38.5	38.6
Less than 50 lb	—	—	—	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	26.0	30.6	30.2	46.8	41.0	39.3	S	S	S	S	S	S
10,000 to 49,999 lb	28.9	31.9	30.8	37.1	37.4	41.8	S	S	S	49.9	S	S
50,000 to 99,999 lb	17.9	20.8	20.6	31.2	30.6	36.1	S	S	S	S	S	S
100,000 lb or more	19.2	19.8	20.7	33.2	35.3	30.7	29.9	41.2	42.4	32.5	38.4	38.3
SCTG 18, Fuel oils	21.0	18.5	20.7	28.3	28.9	S	33.5	33.4	31.5	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	35.0	41.9	40.8	S	40.0	38.4	S	S	S	S	S	S
10,000 to 49,999 lb	23.2	22.7	22.2	37.9	39.2	45.6	S	S	S	S	S	S
50,000 to 99,999 lb	18.9	18.4	19.6	30.7	30.8	36.3	S	S	S	S	S	S
100,000 lb or more	27.1	22.8	24.3	34.2	34.0	S	35.2	35.2	32.9	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	12.1	13.9	14.8	13.4	13.4	17.2	24.7	24.3	22.8	18.8	13.5	15.2
Less than 50 lb	31.7	31.8	36.0	48.6	42.7	38.0	30.5	S	S	41.8	48.5	S
50 to 99 lb	41.0	35.1	34.1	S	45.7	47.3	S	S	S	S	S	S
100 to 499 lb	33.2	28.5	34.4	25.4	22.0	22.3	50.0	S	S	34.0	30.0	29.7
500 to 749 lb	35.6	29.3	30.0	44.0	S	S	—	41.1	40.7	S	S	S
750 to 999 lb	38.7	44.1	38.4	S	35.1	37.0	S	S	S	S	S	S
1,000 to 9,999 lb	36.8	40.5	46.3	29.7	25.0	26.6	35.4	42.5	43.7	S	47.0	47.2
10,000 to 49,999 lb	11.1	11.8	11.0	12.9	12.4	13.1	45.2	7.1	7.2	26.1	21.0	20.7
50,000 to 99,999 lb	23.2	27.1	27.7	26.6	27.1	31.2	S	30.5	31.6	S	44.0	44.8
100,000 lb or more	18.8	20.8	21.7	23.0	18.2	22.0	31.7	20.0	19.6	25.6	18.0	20.6
SCTG 20, Basic chemicals	9.3	12.2	13.5	35.8	29.4	25.0	7.2	10.7	12.0	10.9	20.5	22.7
Less than 50 lb	25.4	35.2	32.9	32.2	23.5	25.7	48.7	31.0	30.5	42.9	35.9	36.3
50 to 99 lb	43.7	32.1	31.5	37.8	27.4	27.7	35.1	37.0	36.3	S	S	47.6
100 to 499 lb	27.3	20.6	21.0	20.2	19.3	18.2	19.6	13.0	13.0	38.1	38.2	37.6
500 to 749 lb	21.7	22.0	17.7	36.4	42.7	44.8	40.5	17.4	17.6	S	44.8	44.1
750 to 999 lb	14.9	35.5	30.1	S	S	S	21.8	19.0	19.2	35.9	33.6	33.9
1,000 to 9,999 lb	13.7	12.6	12.2	18.1	23.8	20.9	17.3	16.2	15.7	38.0	38.2	40.5
10,000 to 49,999 lb	11.1	18.3	19.1	28.6	28.9	25.4	9.0	7.1	7.2	12.6	14.7	14.2
50,000 to 99,999 lb	42.8	11.6	14.0	25.8	19.9	18.5	30.7	30.7	30.8	47.5	40.5	36.9
100,000 lb or more	15.9	13.6	16.5	46.9	30.7	26.2	13.2	13.8	15.1	13.2	24.3	26.2
SCTG 21, Pharmaceutical products	9.4	12.5	12.0	13.8	34.0	35.6	14.6	41.0	40.4	15.2	30.1	29.6
Less than 50 lb	11.8	10.9	10.9	13.7	14.8	14.2	18.1	16.6	16.7	20.8	17.1	17.1
50 to 99 lb	20.6	13.4	13.9	23.2	17.4	16.4	36.9	S	S	28.3	23.5	23.5
100 to 499 lb	12.4	11.5	12.0	20.5	16.2	17.4	22.6	15.2	15.8	S	34.6	34.5
500 to 749 lb	45.9	23.3	25.8	S	28.0	27.5	31.0	35.2	34.9	S	43.4	46.4
750 to 999 lb	34.9	35.9	34.9	S	35.8	36.8	45.1	32.8	31.5	S	S	S
1,000 to 9,999 lb	38.3	25.7	23.3	30.4	17.8	19.3	29.1	35.4	34.4	30.2	20.3	21.2
10,000 to 49,999 lb	20.0	20.2	18.4	24.9	40.2	41.3	25.5	45.5	44.6	21.2	38.3	37.9
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	12.0	10.8	11.8	9.5	12.4	11.5	15.3	15.1	17.8	17.1	19.0	22.5
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	S	S	S
100 to 499 lb	43.7	36.1	34.1	46.2	39.4	39.6	S	S	S	S	S	S
500 to 749 lb	34.5	29.4	30.1	46.5	48.9	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	44.6	42.2	S	S	S	—	—	—
1,000 to 9,999 lb	29.7	22.7	23.1	34.3	32.5	35.2	S	S	S	S	S	S
10,000 to 49,999 lb	13.9	12.3	11.7	19.5	22.2	22.9	27.7	32.5	31.8	19.9	21.5	20.5
50,000 to 99,999 lb	17.8	16.0	16.7	21.5	19.2	18.0	33.4	29.0	29.5	S	S	S
100,000 lb or more	17.4	17.8	18.8	13.1	16.9	15.1	19.8	18.4	20.9	19.5	20.5	23.8
SCTG 23, Chemical products and preparations, n.e.c.	14.4	11.6	13.2	8.8	13.1	13.7	7.5	8.3	8.5	6.8	9.2	9.7
Less than 50 lb	20.2	18.3	19.5	26.9	23.3	23.3	15.2	20.0	20.0	25.9	19.1	18.0
50 to 99 lb	17.9	12.4	13.1	21.7	25.9	26.2	28.5	25.8	25.6	34.8	23.9	21.5
100 to 499 lb	13.2	8.9	8.7	12.2	14.9	16.3	16.6	25.0	24.4	21.8	13.8	14.0
500 to 749 lb	20.9	21.3	24.2	23.1	14.9	14.3	34.0	14.8	14.7	18.5	17.2	17.9
750 to 999 lb	15.6	15.3	16.0	22.5	16.8	14.9	39.9	15.2	15.9	18.3	24.4	23.3
1,000 to 9,999 lb	7.6	10.6	10.4	12.8	9.3	9.0	18.0	10.5	10.5	10.7	13.5	13.8
10,000 to 49,999 lb	26.8	14.2	15.1	11.1	13.7	13.5	9.1	9.1	9.1	9.1	10.0	10.2
50,000 to 99,999 lb	34.6	25.1	24.0	34.8	44.2	43.4	39.8	S	S	S	S	S
100,000 lb or more	34.0	S	S	45.8	34.5	37.4	24.0	22.2	22.8	21.3	20.8	21.0
SCTG 24, Plastics and rubber	5.2	7.8	7.7	7.9	6.3	6.2	5.0	6.6	7.0	5.3	10.4	10.7
Less than 50 lb	9.6	13.5	14.6	10.8	10.7	10.7	12.2	14.4	15.3	18.7	30.6	29.1
50 to 99 lb	15.2	20.8	23.9	14.5	12.6	11.8	19.5	18.0	17.9	25.1	14.2	14.4
100 to 499 lb	10.1	8.6	7.8	7.8	7.0	7.2	12.7	14.2	14.1	11.8	11.4	11.4
500 to 749 lb	12.7	16.3	14.2	12.7	9.6	9.5	11.9	8.7	8.9	28.0	22.7	22.7
750 to 999 lb	7.8	6.4	6.3	9.0	9.8	9.8	12.4	11.5	11.4	17.0	14.6	14.0
1,000 to 9,999 lb	7.7	8.6	7.9	8.9	8.2	8.4	6.3	8.0	8.0	7.5	7.9	7.6
10,000 to 49,999 lb	5.5	9.1	9.0	11.6	8.2	8.0	7.7	7.3	6.8	7.1	12.0	12.5
50,000 to 99,999 lb	33.5	35.2	41.0	48.5	39.2	37.0	41.1	39.7	38.3	47.4	35.7	34.4
100,000 lb or more	21.2	17.5	18.9	13.4	14.9	14.8	10.4	14.1	14.7	13.2	13.1	13.1
SCTG 25, Logs and other wood in the rough	19.6	38.7	43.1	22.1	33.7	32.9	33.9	S	S	33.7	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	49.4	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	30.8	29.4	28.9	S	37.0	35.4	S	42.1	40.2	S	45.2	45.3
10,000 to 49,999 lb	16.1	38.8	34.3	28.3	20.2	19.6	S	32.7	33.5	35.0	40.6	40.8
50,000 to 99,999 lb	25.7	27.6	25.9	24.0	31.6	31.1	42.0	48.2	49.1	S	S	S
100,000 lb or more	S	S	S	36.8	S	S	40.6	S	S	S	S	S
SCTG 26, Wood products	13.7	23.0	27.2	9.8	17.9	15.1	8.9	13.5	13.9	12.6	24.6	24.5
Less than 50 lb	23.7	15.5	16.1	29.7	30.7	30.7	32.0	32.6	33.8	35.4	36.4	35.8
50 to 99 lb	19.0	16.3	19.3	24.6	27.7	26.6	46.7	39.8	39.7	S	48.2	48.6
100 to 499 lb	18.2	19.8	19.8	23.4	31.7	30.8	22.9	19.4	19.7	27.1	17.2	17.7
500 to 749 lb	14.3	14.2	14.1	16.4	18.9	17.8	34.2	24.8	24.4	27.8	24.7	25.5
750 to 999 lb	30.2	29.5	30.5	23.0	22.9	22.6	29.7	27.6	28.3	28.9	25.8	26.6
1,000 to 9,999 lb	13.5	12.0	12.8	15.3	17.6	16.7	13.2	15.1	15.0	20.5	18.3	18.7
10,000 to 49,999 lb	10.2	19.5	21.5	12.2	18.4	16.3	14.1	14.7	14.0	14.9	15.4	15.2
50,000 to 99,999 lb	8.6	10.6	9.8	12.8	26.6	23.0	13.4	13.4	14.1	19.2	20.4	23.5
100,000 lb or more	S	45.5	48.7	12.3	16.3	13.6	16.6	25.7	25.7	26.9	40.2	38.5
SCTG 27, Pulp, newsprint, paper, and paperboard	10.4	8.5	8.8	6.4	6.0	6.6	5.7	5.1	5.0	9.3	11.6	12.1
Less than 50 lb	23.7	17.7	15.8	25.9	22.4	20.1	45.2	33.0	34.9	S	S	S
50 to 99 lb	30.8	23.8	19.9	29.7	26.3	28.6	40.4	29.9	28.2	43.2	35.8	36.2
100 to 499 lb	9.8	11.6	11.7	15.7	19.7	20.8	29.3	23.5	23.9	41.2	35.4	35.7
500 to 749 lb	19.9	13.7	14.3	42.2	20.5	22.3	18.6	31.4	33.2	27.6	35.0	37.9
750 to 999 lb	32.3	21.0	25.7	21.2	27.0	27.6	22.3	28.6	29.1	S	48.9	48.7
1,000 to 9,999 lb	11.1	11.0	12.1	15.1	10.1	10.4	37.2	19.3	19.4	24.3	17.6	18.0
10,000 to 49,999 lb	14.0	9.8	10.0	8.0	6.5	6.6	7.8	7.0	7.1	10.4	10.0	10.1
50,000 to 99,999 lb	32.2	S	S	18.0	22.9	23.2	34.5	28.2	28.0	31.2	28.1	28.0
100,000 lb or more	11.8	10.0	10.6	8.0	9.0	9.8	4.3	5.9	6.0	13.8	17.1	17.8
SCTG 28, Paper or paperboard articles	11.5	5.6	5.1	10.4	8.4	8.2	9.1	9.4	9.6	15.4	12.2	12.2
Less than 50 lb	36.4	25.8	20.5	16.9	15.1	16.0	21.5	21.2	21.2	21.4	21.9	21.2
50 to 99 lb	14.7	12.7	14.0	26.0	29.7	25.9	38.4	42.6	40.0	45.6	49.1	48.8
100 to 499 lb	12.7	10.3	10.1	20.4	21.2	20.1	23.5	18.0	19.1	22.0	24.2	26.0
500 to 749 lb	16.6	23.0	24.8	S	S	45.7	23.7	21.0	20.9	29.3	28.1	28.9
750 to 999 lb	28.1	17.3	16.5	26.0	23.1	20.7	23.7	23.2	23.4	36.9	26.4	27.2
1,000 to 9,999 lb	22.1	10.3	9.8	10.8	11.4	11.0	12.0	17.3	18.0	25.0	21.4	21.5
10,000 to 49,999 lb	10.8	6.1	5.8	12.8	10.8	10.7	9.6	9.2	9.5	17.3	11.4	11.4
50,000 to 99,999 lb	S	33.1	31.3	38.4	30.7	31.2	S	S	S	S	S	S
100,000 lb or more	S	46.9	43.7	44.3	37.5	38.2	49.5	38.4	37.5	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	15.3	8.0	9.0	11.3	11.4	10.9	8.8	13.3	12.9	7.6	8.2	8.2
Less than 50 lb	10.6	15.8	12.7	13.9	17.7	19.0	15.4	13.3	13.3	12.8	16.0	16.2
50 to 99 lb	19.6	17.1	17.8	24.7	20.6	20.9	29.6	21.3	21.4	29.2	21.8	21.1
100 to 499 lb	13.7	9.2	9.8	18.4	19.1	20.5	21.1	24.1	23.7	18.6	12.2	12.2
500 to 749 lb	20.0	20.8	21.6	18.0	12.6	12.9	48.6	23.5	22.1	21.9	20.0	19.8
750 to 999 lb	24.7	21.1	21.2	19.6	13.8	13.8	29.0	21.6	21.9	44.9	22.4	22.2
1,000 to 9,999 lb	36.4	13.3	15.2	18.5	15.3	13.1	18.3	18.7	21.2	22.6	11.5	10.8
10,000 to 49,999 lb	11.0	10.9	11.2	12.4	14.3	14.1	17.1	20.5	20.0	18.8	14.0	13.9
50,000 to 99,999 lb	S	S	S	S	S	S	S	48.9	49.8	S	S	S
100,000 lb or more	48.5	41.1	38.9	S	S	S	—	—	—	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	14.3	8.3	8.8	8.4	10.1	9.2	7.4	9.6	9.3	5.5	8.2	8.2
Less than 50 lb	8.6	8.2	7.7	9.1	8.4	8.4	7.4	7.5	7.7	8.2	7.3	7.4
50 to 99 lb	10.0	7.1	9.7	12.4	9.7	9.3	11.6	10.0	10.1	12.8	10.0	10.0
100 to 499 lb	7.0	7.8	7.4	10.3	8.3	8.5	6.5	7.2	7.2	12.4	9.6	9.6
500 to 749 lb	34.2	12.8	12.1	12.4	10.2	10.0	10.9	17.8	17.8	17.6	16.7	16.6
750 to 999 lb	19.0	10.9	10.2	16.7	11.3	12.3	20.0	14.2	13.9	26.3	21.2	21.0
1,000 to 9,999 lb	38.7	9.5	8.7	9.5	9.6	9.5	12.0	10.8	10.7	11.5	13.1	12.4
10,000 to 49,999 lb	8.8	7.1	6.8	17.8	14.5	13.5	12.1	12.8	12.6	9.0	9.9	10.0
50,000 to 99,999 lb	S	S	S	S	44.8	43.9	28.0	37.6	39.6	S	S	S
100,000 lb or more	49.2	49.7	46.3	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	8.4	7.0	5.9	5.5	6.9	7.2	8.6	7.5	7.2	9.3	9.3	9.4
Less than 50 lb	16.9	19.4	19.2	24.2	14.6	13.6	17.9	12.8	12.9	13.2	16.7	16.8
50 to 99 lb	20.0	34.1	37.5	23.6	28.8	29.2	18.5	23.1	23.2	37.4	20.5	21.3
100 to 499 lb	17.2	20.2	22.0	19.8	14.3	14.1	25.2	30.0	30.1	33.8	24.9	24.9
500 to 749 lb	27.2	36.5	37.8	36.9	18.8	19.5	34.4	29.5	29.0	43.4	43.0	42.1
750 to 999 lb	22.3	22.5	24.0	25.5	20.5	19.3	25.5	24.2	22.9	S	S	48.8
1,000 to 9,999 lb	33.4	13.4	12.5	15.8	12.6	11.0	23.4	16.4	16.8	16.5	18.0	17.7
10,000 to 49,999 lb	7.4	12.7	11.2	6.4	7.9	8.1	7.2	6.9	6.9	10.4	9.8	9.8
50,000 to 99,999 lb	9.4	11.0	10.5	10.5	10.9	10.7	S	29.4	29.0	27.7	29.5	29.4
100,000 lb or more	13.4	13.0	13.3	16.6	12.8	13.3	18.4	24.3	21.0	29.8	26.4	26.3
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	5.9	11.9	12.8	5.1	10.2	11.5	6.7	11.4	11.9	9.9	10.9	13.2
Less than 50 lb	30.4	17.2	19.2	19.1	13.3	12.9	S	17.1	16.9	34.2	24.7	25.2
50 to 99 lb	25.0	15.6	15.8	19.2	13.5	13.7	24.2	25.4	22.7	36.6	29.1	29.9
100 to 499 lb	15.3	13.9	16.3	13.6	13.1	12.9	23.8	17.2	16.9	28.8	21.2	21.7
500 to 749 lb	20.8	17.2	21.0	14.7	15.6	16.3	15.0	12.5	12.4	37.9	24.2	24.3
750 to 999 lb	25.4	16.6	20.3	30.9	23.4	23.8	14.7	15.3	15.3	16.5	20.7	21.3
1,000 to 9,999 lb	8.9	8.6	8.5	8.8	8.2	7.9	12.2	8.4	8.3	19.0	16.9	17.4
10,000 to 49,999 lb	5.9	5.5	5.8	5.5	7.4	7.6	7.2	8.6	8.7	9.7	9.6	9.7
50,000 to 99,999 lb	23.7	25.7	26.8	25.1	21.2	22.3	24.6	41.4	40.2	31.8	37.7	34.1
100,000 lb or more	34.2	37.4	35.8	15.9	23.6	24.1	21.3	29.9	29.2	21.0	20.5	23.9
SCTG 33, Articles of base metal	4.7	10.7	11.1	6.8	11.5	11.5	6.0	17.4	17.3	6.2	11.8	15.2
Less than 50 lb	12.1	13.2	14.2	21.6	12.9	12.4	11.2	10.6	9.7	11.3	12.2	12.1
50 to 99 lb	13.5	12.5	11.8	14.4	8.8	9.3	20.8	12.0	12.4	20.8	19.7	19.6
100 to 499 lb	13.3	14.7	15.9	10.0	11.4	10.8	9.2	7.0	7.1	16.1	12.6	12.9
500 to 749 lb	19.4	9.7	10.0	13.3	12.5	13.7	13.1	13.0	12.9	43.9	25.0	25.0
750 to 999 lb	17.7	9.0	8.9	11.0	11.0	9.7	22.8	10.7	10.6	24.0	15.3	15.5
1,000 to 9,999 lb	8.4	6.6	6.6	6.5	7.4	7.8	13.4	7.8	8.2	12.9	7.6	7.6
10,000 to 49,999 lb	7.6	16.0	16.4	7.2	12.0	11.6	5.4	18.4	18.2	10.9	10.6	11.0
50,000 to 99,999 lb	36.0	35.9	33.3	S	42.9	44.3	46.7	48.9	49.3	42.8	37.8	38.9
100,000 lb or more	25.8	38.6	43.7	36.4	41.4	39.9	40.1	41.1	40.7	48.3	42.5	47.4
SCTG 34, Machinery	8.9	10.5	8.1	13.8	10.6	11.5	5.4	5.5	5.5	10.4	9.1	9.0
Less than 50 lb	8.2	12.3	12.6	7.7	12.9	12.3	10.0	13.5	12.1	20.3	15.3	14.9
50 to 99 lb	14.9	23.9	24.2	9.1	19.4	17.3	11.4	16.1	14.1	11.7	26.1	24.1
100 to 499 lb	7.5	9.6	9.7	11.5	9.1	8.4	8.7	6.6	7.0	10.9	10.0	10.1
500 to 749 lb	17.0	10.7	10.5	21.5	14.3	13.5	27.6	11.3	12.0	15.6	9.9	10.2
750 to 999 lb	37.0	16.7	14.1	15.7	9.0	9.2	13.8	12.8	12.9	28.3	32.7	32.6
1,000 to 9,999 lb	9.1	11.6	11.6	14.8	6.9	7.2	8.9	9.1	8.8	24.5	10.9	11.3
10,000 to 49,999 lb	18.7	19.2	15.1	26.9	16.4	17.7	8.6	8.7	8.9	16.0	14.2	14.1
50,000 to 99,999 lb	27.0	35.2	36.8	23.2	24.7	23.6	24.5	27.0	26.3	24.6	22.5	23.6
100,000 lb or more	S	35.7	36.2	S	39.9	38.3	42.7	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	18.2	16.0	17.2	22.2	8.0	7.8	10.0	11.5	11.3	9.2	14.3	15.0
Less than 50 lb	8.9	11.9	13.0	8.5	7.1	7.2	8.2	6.1	5.9	8.1	8.0	8.0
50 to 99 lb	15.8	21.9	22.4	12.1	22.8	19.6	11.7	13.8	14.1	11.1	13.1	12.8
100 to 499 lb	18.2	29.3	29.1	13.2	21.0	17.9	11.4	9.5	8.9	18.1	13.6	13.7
500 to 749 lb	31.7	S	S	18.2	35.1	32.4	21.1	13.6	13.4	24.5	13.6	13.5
750 to 999 lb	19.3	40.8	46.8	26.9	36.5	32.8	25.6	27.2	24.9	37.2	26.7	27.7
1,000 to 9,999 lb	34.5	25.5	27.4	S	16.1	16.5	27.6	17.9	17.1	18.1	14.0	13.5
10,000 to 49,999 lb	45.4	12.8	12.6	7.6	8.4	8.7	12.4	14.9	14.9	27.1	12.4	12.3
50,000 to 99,999 lb	42.7	48.9	49.2	29.6	30.1	30.9	40.9	38.4	36.7	S	S	S
100,000 lb or more	S	48.3	48.5	S	40.4	41.0	43.9	39.5	39.2	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	10.6	9.5	9.0	9.0	9.4	10.0	12.6	10.6	11.3	14.4	15.0	15.4
Less than 50 lb	8.9	7.9	8.5	13.1	10.1	9.5	15.7	13.9	13.3	15.2	11.9	11.6
50 to 99 lb	25.2	18.6	17.7	16.0	16.5	15.7	17.9	14.0	14.2	20.3	25.2	25.7
100 to 499 lb	16.2	11.7	12.2	19.4	14.3	14.0	20.5	15.6	15.3	18.2	21.1	23.5
500 to 749 lb	30.3	15.2	13.5	41.0	23.8	22.0	36.1	20.5	20.9	20.4	21.9	21.5
750 to 999 lb	18.4	25.5	30.0	34.9	27.4	23.0	28.9	25.5	27.2	39.8	25.8	25.2
1,000 to 9,999 lb	13.0	12.8	11.3	15.6	15.9	16.1	20.7	23.4	24.6	25.4	28.2	29.5
10,000 to 49,999 lb	14.3	11.8	11.4	12.0	10.9	11.8	16.5	12.4	12.6	18.0	13.6	14.2
50,000 to 99,999 lb	S	40.9	39.8	44.2	31.1	32.1	S	S	S	38.5	33.5	32.4
100,000 lb or more	S	S	S	S	41.8	42.5	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	30.8	23.3	23.8	8.0	22.7	25.9	13.4	19.6	20.5	17.9	21.2	22.7
Less than 50 lb	42.8	S	44.6	15.6	18.3	18.4	21.9	19.5	19.2	25.6	23.0	22.5
50 to 99 lb	36.4	32.0	31.6	33.5	28.0	29.3	S	26.5	27.8	43.6	23.7	24.0
100 to 499 lb	41.1	23.4	23.6	24.6	24.7	23.7	34.5	35.1	36.4	36.2	24.5	23.8
500 to 749 lb	S	29.5	24.5	33.9	41.6	39.7	30.2	27.0	25.8	40.7	34.1	34.0
750 to 999 lb	S	44.6	46.1	36.3	32.3	33.6	35.4	34.1	35.7	44.7	37.2	37.1
1,000 to 9,999 lb	45.8	27.3	24.2	14.9	17.6	16.5	14.0	14.5	14.6	22.5	29.7	30.5
10,000 to 49,999 lb	19.7	34.1	30.8	27.8	26.6	28.3	34.8	27.3	27.6	16.9	20.7	20.3
50,000 to 99,999 lb	S	S	S	46.6	48.2	49.9	S	45.8	44.9	—	—	—
100,000 lb or more	S	S	S	36.9	45.5	43.2	40.4	40.9	40.7	45.1	43.8	44.9
SCTG 38, Precision instruments and apparatus	10.6	20.9	17.7	11.9	25.6	18.5	25.2	34.4	33.6	29.2	23.2	22.5
Less than 50 lb	21.0	16.7	15.8	17.7	12.4	12.6	40.5	32.7	32.4	46.1	47.2	45.4
50 to 99 lb	20.1	43.9	40.9	15.1	14.9	14.7	17.8	19.9	20.3	S	S	S
100 to 499 lb	18.6	19.7	19.6	19.1	20.3	21.6	15.7	25.5	26.9	22.0	15.4	15.8
500 to 749 lb	27.1	28.4	29.9	29.6	30.3	28.4	48.5	20.9	22.7	34.8	28.3	29.1
750 to 999 lb	32.3	28.4	27.8	33.4	27.2	28.0	33.2	46.0	44.8	44.6	S	S
1,000 to 9,999 lb	29.3	31.5	28.1	19.2	22.0	21.2	35.5	33.1	34.5	S	37.2	36.7
10,000 to 49,999 lb	47.8	S	S	35.7	30.9	31.8	43.1	S	S	44.8	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	26.3	19.2	15.6	20.5	11.5	11.9	5.4	7.1	6.8	10.2	8.3	8.1
Less than 50 lb	15.5	10.2	9.8	20.5	15.1	14.5	16.7	15.7	15.3	19.7	23.0	23.3
50 to 99 lb	12.1	11.2	12.2	7.4	7.7	7.7	9.1	9.3	9.5	15.2	18.9	19.5
100 to 499 lb	9.7	10.8	10.8	5.6	4.9	4.7	5.4	4.6	4.5	33.7	8.3	8.5
500 to 749 lb	11.2	11.8	12.3	10.8	10.7	9.7	7.8	7.8	8.1	26.1	12.0	12.1
750 to 999 lb	19.5	20.1	19.6	10.8	13.4	13.0	14.7	13.4	13.6	16.8	16.4	15.5
1,000 to 9,999 lb	10.2	11.4	10.8	38.2	17.1	14.6	7.7	10.0	9.5	8.4	9.2	9.3
10,000 to 49,999 lb	S	38.8	32.0	14.2	16.3	19.2	14.8	11.8	11.8	23.2	20.8	20.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	40.9	41.4	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products	17.6	9.8	9.3	8.4	7.7	7.6	9.1	9.3	9.1	14.5	15.1	14.9
Less than 50 lb	7.9	8.6	9.0	25.9	9.2	8.9	28.2	10.3	10.4	36.3	8.8	8.5
50 to 99 lb	9.7	15.2	13.0	11.8	11.8	12.8	11.5	11.2	11.0	14.5	15.9	15.3
100 to 499 lb	7.4	7.9	8.4	9.9	9.9	10.3	7.0	11.7	10.2	10.3	9.2	9.0
500 to 749 lb	12.8	10.9	10.5	17.4	9.2	8.4	10.8	10.0	10.3	28.1	17.3	16.7
750 to 999 lb	14.6	15.7	16.6	13.5	20.7	18.6	15.6	10.9	10.1	17.0	19.2	19.4
1,000 to 9,999 lb	10.5	11.1	10.5	8.9	6.9	6.8	7.7	8.3	8.2	7.6	8.9	9.0
10,000 to 49,999 lb	35.7	11.5	11.1	9.0	9.3	8.7	8.1	13.5	13.4	21.4	23.0	22.9
50,000 to 99,999 lb	20.7	26.9	23.5	26.4	23.6	23.9	26.9	29.0	30.7	26.9	34.3	34.5
100,000 lb or more	29.7	28.3	29.7	40.0	31.9	36.0	46.2	34.7	37.1	46.1	34.6	34.9
SCTG 41, Waste and scrap ..	7.3	10.1	11.9	13.6	14.7	14.0	15.0	22.6	21.4	21.8	15.3	15.3
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	30.7	30.7	30.8	35.2	41.7	46.3	46.6	S	S	S	S	S
10,000 to 49,999 lb	8.3	10.5	11.5	11.5	24.3	22.6	15.8	28.3	24.7	20.3	19.0	18.7
50,000 to 99,999 lb	19.5	17.8	19.7	35.9	41.6	40.2	S	S	S	S	S	S
100,000 lb or more	15.7	15.1	16.3	31.9	19.4	19.3	42.1	38.4	40.4	36.2	28.9	28.5
SCTG 43, Mixed freight	16.0	14.1	13.9	29.5	17.4	17.3	22.7	21.4	21.0	19.8	29.6	30.4
Less than 50 lb	39.2	49.6	S	39.2	S	S	42.1	S	S	S	43.3	47.4
50 to 99 lb	33.0	35.0	33.6	37.5	48.7	48.8	S	S	S	38.2	44.3	44.2
100 to 499 lb	15.8	19.8	20.6	31.4	44.0	43.9	33.2	32.7	32.4	41.1	34.8	34.8
500 to 749 lb	18.2	17.4	18.3	25.3	31.0	29.8	S	26.9	26.6	S	S	S
750 to 999 lb	15.9	16.9	18.2	36.4	40.2	39.8	36.0	47.1	47.0	43.8	S	49.7
1,000 to 9,999 lb	18.0	9.4	9.8	17.1	17.0	17.9	32.6	28.5	29.3	48.4	S	S
10,000 to 49,999 lb	23.4	19.3	18.8	44.5	26.4	25.2	39.3	30.6	30.2	28.4	23.7	23.9
50,000 to 99,999 lb	32.1	34.0	35.5	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	23.6	20.9	21.3	22.1	S	S	22.8	39.3	41.0	21.0	36.6	37.0
Less than 50 lb	28.3	22.0	25.6	29.2	19.0	20.3	22.3	29.8	32.1	48.9	24.9	25.5
50 to 99 lb	47.0	19.4	17.4	35.0	22.0	19.6	40.2	32.7	33.6	S	S	S
100 to 499 lb	28.3	20.8	24.1	41.6	36.5	39.7	20.5	33.3	30.6	29.5	28.5	28.9
500 to 749 lb	S	S	43.5	19.0	27.9	26.0	36.2	31.4	28.6	S	37.3	38.9
750 to 999 lb	49.6	38.9	41.5	49.5	46.2	49.7	34.7	32.2	31.7	S	S	S
1,000 to 9,999 lb	33.5	31.7	31.1	23.0	34.1	35.5	21.3	39.1	38.7	34.5	S	S
10,000 to 49,999 lb	34.7	26.0	27.4	32.6	26.5	25.7	35.3	49.4	S	24.0	24.8	24.4
50,000 to 99,999 lb	26.5	32.5	37.3	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	8.1	12.6	15.0	6.6	6.1	6.9	5.4	6.0	6.0
Less than 50 lb	13.6	6.0	6.0	8.7	4.4	4.4	5.3	4.4	4.5
50 to 99 lb	21.5	8.1	8.1	21.1	12.3	10.9	15.0	5.1	5.1
100 to 499 lb	23.9	9.5	9.5	23.8	9.0	8.0	11.2	9.3	8.9
500 to 749 lb	11.1	6.8	6.9	14.1	7.6	6.7	11.1	8.5	8.4
750 to 999 lb	16.9	11.4	12.4	22.8	14.3	14.5	14.6	7.3	7.5
1,000 to 9,999 lb	8.5	7.5	8.0	10.8	6.4	6.7	11.6	7.3	7.2
10,000 to 49,999 lb	9.8	10.6	11.3	10.7	5.4	5.4	8.5	6.6	6.6
50,000 to 99,999 lb	27.6	24.7	23.5	17.5	13.9	14.5	S	11.5	11.7
100,000 lb or more	17.4	17.1	20.4	12.5	13.9	14.8	22.0	20.4	19.8
SCTG 01, Live animals and live fish	31.1	31.0	31.0	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	43.6	46.0	46.0	S	S	S	—	—	—
50,000 to 99,999 lb	42.9	43.2	42.6	S	S	S	—	—	—
100,000 lb or more	49.8	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 03, Other agricultural products	13.7	21.7	21.1	29.8	32.8	31.2	42.3	26.7	26.7
Less than 50 lb	39.9	46.9	46.5	41.4	S	S	47.2	S	S
50 to 99 lb	22.4	17.6	17.7	35.2	31.8	31.2	40.7	39.9	40.9
100 to 499 lb	16.3	12.4	12.6	26.1	32.0	34.0	23.4	23.9	24.6
500 to 749 lb	19.4	21.5	22.0	S	S	S	S	S	S
750 to 999 lb	22.0	30.2	30.3	—	—	—	S	48.3	48.0
1,000 to 9,999 lb	18.2	21.7	21.2	29.3	27.6	27.6	32.9	45.0	42.8
10,000 to 49,999 lb	18.5	20.9	21.0	37.6	49.0	47.9	34.5	36.1	36.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	48.9	34.9	34.1	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	15.9	21.4	21.3	48.0	30.2	30.8	S	38.3	38.9
Less than 50 lb	S	48.0	48.0	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	40.4	30.9	31.2	30.7	32.5	33.5	S	S	S
10,000 to 49,999 lb	24.2	33.1	31.2	S	S	S	S	S	S
50,000 to 99,999 lb	39.8	S	S	46.6	40.2	39.7	S	S	S
100,000 lb or more	44.0	34.7	37.4	S	S	S	40.1	S	S
SCTG 05, Meat, fish, seafood, and their preparations	13.7	17.9	15.9	14.4	11.9	11.5	17.7	20.2	20.6
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	41.4	41.1	S	48.0	49.3	S	S	S
500 to 749 lb	48.7	50.0	48.5	S	S	S	S	S	S
750 to 999 lb	35.2	34.2	34.8	29.5	31.7	31.7	S	S	S
1,000 to 9,999 lb	16.6	15.5	14.6	25.5	18.1	16.2	23.0	19.7	20.1
10,000 to 49,999 lb	15.5	18.5	16.6	14.6	12.8	12.4	20.3	18.8	19.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	15.7	13.9	13.9	18.7	18.9	19.1	26.2	27.6	27.1
Less than 50 lb	42.7	38.8	40.0	45.1	S	S	48.5	49.9	47.2
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	23.4	26.7	26.3	36.8	34.2	34.2	24.4	23.9	23.5
10,000 to 49,999 lb	17.2	15.1	15.1	20.0	18.2	17.5	27.8	29.1	28.6
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	28.2	24.8	24.4	42.6	42.7	43.2	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	10.9	19.9	19.4	10.6	22.9	26.8	12.5	14.1	14.7
Less than 50 lb	S	S	S	44.3	36.7	36.6	42.7	36.5	36.2
50 to 99 lb	47.5	S	S	S	S	S	S	47.3	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	34.7	44.2	40.0	S	S	S	S	S	S
750 to 999 lb	41.5	40.0	41.3	43.2	37.9	38.4	S	S	S
1,000 to 9,999 lb	21.0	15.2	15.8	31.2	26.2	26.7	32.0	48.7	48.6
10,000 to 49,999 lb	11.8	13.9	14.5	12.7	27.7	32.6	13.6	15.9	16.5
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	39.3	38.9	36.0	46.1	46.5	S	—	—	—
SCTG 08, Alcoholic beverages	40.1	26.9	26.8	28.9	37.0	36.8	44.6	44.1	45.0
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	43.9	40.0	41.5	S	S	S
10,000 to 49,999 lb	41.3	26.9	27.3	29.7	38.0	37.7	44.6	44.0	44.9
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 09, Tobacco products	44.8	44.4	46.3	39.1	37.8	38.4	39.1	43.2	44.1
Less than 50 lb	45.9	32.7	33.0	34.7	40.2	38.4	49.5	35.2	34.7
50 to 99 lb	S	S	S	S	S	S	S	47.0	47.7
100 to 499 lb	33.4	32.5	32.1	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	49.4	S	S	S	S	47.5	S	S
10,000 to 49,999 lb	48.3	47.7	49.6	40.5	41.0	41.5	39.8	41.4	41.9
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 10, Monumental or building stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	37.9	30.9	32.5	40.0	S	S	47.0	48.0	47.6
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	44.6	S	S	46.1	47.1	46.7
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	49.0	38.1	41.0	—	—	—	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	18.5	21.4	21.2	21.1	34.6	33.3	28.1	36.1	37.1
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	45.0	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	48.0	S	S	S	S	S	S	S
10,000 to 49,999 lb	47.1	46.1	48.1	27.4	27.1	26.9	35.5	26.4	26.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	23.7	25.4	25.0	47.9	S	48.9	39.0	43.0	43.2

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	26.1	45.7	47.9	S	S	S	43.5	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	48.0	S	S
500 to 749 lb	40.5	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	39.6	40.1	S	S	S	S	S	S
10,000 to 49,999 lb	S	46.7	46.6	49.1	40.5	43.9	46.2	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 15, Coal	S	S	S	47.1	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	44.3	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	48.5	S	S	—	—	—	S	S	S
SCTG 18, Fuel oils	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	18.4	25.4	28.4	24.3	27.8	27.1	42.4	45.4	45.4
Less than 50 lb	S	S	S	S	49.6	S	S	S	S
50 to 99 lb	S	S	S	42.8	S	S	—	—	—
100 to 499 lb	47.8	S	S	38.4	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	38.3	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	42.9	S	S	41.1	44.6	45.1	44.0	49.4	S
10,000 to 49,999 lb	21.1	43.0	45.2	31.7	32.9	34.1	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	23.6	31.9	35.0	33.6	37.3	36.3	S	S	S
SCTG 20, Basic chemicals	S	44.8	43.1	13.8	10.7	11.1	22.3	30.9	30.2
Less than 50 lb	39.8	45.1	44.4	S	S	S	28.1	30.4	31.4
50 to 99 lb	S	S	S	S	S	S	46.9	45.3	46.0
100 to 499 lb	S	31.1	29.9	28.6	39.0	38.6	35.2	39.2	40.1
500 to 749 lb	44.0	S	S	S	S	S	S	42.0	42.5
750 to 999 lb	44.4	37.9	38.2	30.9	45.8	45.6	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	21.9	18.5	18.3
10,000 to 49,999 lb	S	S	S	12.5	12.7	12.2	26.8	19.4	19.6
50,000 to 99,999 lb	28.3	31.9	30.0	45.6	48.8	S	—	—	—
100,000 lb or more	41.9	39.9	37.8	30.2	15.4	15.6	38.4	40.8	39.4
SCTG 21, Pharmaceutical products	19.2	22.8	23.9	26.3	28.8	28.1	19.1	S	S
Less than 50 lb	22.0	23.2	24.1	29.3	17.8	17.9	23.8	20.0	20.3
50 to 99 lb	31.8	S	S	31.4	36.0	34.9	S	36.6	37.0
100 to 499 lb	42.4	S	S	S	45.4	48.4	42.3	31.9	31.7
500 to 749 lb	S	S	S	S	S	S	S	48.6	49.3
750 to 999 lb	43.1	44.2	44.9	S	S	S	45.4	40.4	39.1
1,000 to 9,999 lb	34.4	S	S	40.9	29.5	29.0	42.9	37.7	37.5
10,000 to 49,999 lb	21.4	22.8	23.0	31.1	35.0	34.0	27.3	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	25.5	23.9	24.5	33.0	35.2	35.7	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	45.3	44.4	45.2	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	47.5	43.1	43.5	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	26.1	24.5	25.1	38.8	40.0	40.5	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	10.9	16.8	17.6	19.5	35.4	33.0	19.1	16.3	17.3
Less than 50 lb	22.7	21.5	20.7	38.5	23.9	24.0	S	49.3	S
50 to 99 lb	34.4	21.6	20.3	36.6	31.0	31.0	43.3	40.9	38.5
100 to 499 lb	30.3	14.8	14.6	45.0	23.1	22.3	19.8	19.8	19.7
500 to 749 lb	19.8	20.7	22.5	25.9	23.3	23.4	32.0	30.6	30.5
750 to 999 lb	22.6	21.5	22.9	38.0	47.2	48.6	27.3	24.3	24.2
1,000 to 9,999 lb	23.4	19.4	19.6	19.3	18.6	18.6	S	20.4	20.3
10,000 to 49,999 lb	11.9	19.2	21.0	23.8	40.3	37.8	13.3	16.9	17.8
50,000 to 99,999 lb	S	49.8	49.2	S	S	S	S	S	S
100,000 lb or more	23.6	21.6	21.5	S	S	S	36.7	S	S
SCTG 24, Plastics and rubber	5.7	8.6	8.8	7.5	10.0	10.6	13.9	18.7	18.5
Less than 50 lb	15.6	10.1	10.5	16.0	11.4	11.2	18.3	15.0	14.7
50 to 99 lb	42.2	12.4	12.9	21.7	16.5	16.7	30.6	23.4	25.3
100 to 499 lb	16.5	14.6	12.9	21.8	31.1	31.2	21.5	22.1	22.7
500 to 749 lb	40.1	24.9	24.6	29.4	29.8	30.2	35.4	33.8	32.4
750 to 999 lb	13.4	10.8	11.2	27.4	29.8	30.4	26.8	31.3	31.3
1,000 to 9,999 lb	10.4	10.6	10.5	10.5	11.4	11.2	9.5	10.5	10.9
10,000 to 49,999 lb	7.9	12.5	13.0	10.4	10.2	9.9	24.0	26.7	26.8
50,000 to 99,999 lb	S	S	S	48.5	49.7	49.7	42.3	39.8	42.0
100,000 lb or more	10.0	11.0	11.1	15.2	15.5	15.8	40.3	40.9	40.8
SCTG 25, Logs and other wood in the rough	41.3	S	S	45.1	44.8	44.3	43.1	44.3	43.1
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	49.9	37.8	38.2	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	10.9	22.9	24.1	11.5	9.6	9.5	14.7	12.2	12.1
Less than 50 lb	42.4	48.6	49.9	S	44.2	44.7	44.6	S	S
50 to 99 lb	35.8	32.1	35.7	38.5	30.2	30.9	S	S	S
100 to 499 lb	42.6	19.1	18.9	30.3	34.0	35.1	37.3	34.7	33.7
500 to 749 lb	41.4	42.8	43.6	42.7	44.1	46.6	S	S	S
750 to 999 lb	37.6	41.9	43.4	S	S	S	S	S	S
1,000 to 9,999 lb	27.6	28.2	28.5	32.9	22.9	22.9	47.5	29.6	28.9
10,000 to 49,999 lb	17.0	11.9	11.7	15.9	15.2	15.0	18.5	15.9	16.2
50,000 to 99,999 lb	22.6	30.0	29.9	32.1	22.1	22.1	22.1	24.5	24.8
100,000 lb or more	19.1	33.5	33.6	14.9	12.0	12.1	29.7	31.2	29.9
SCTG 27, Pulp, newsprint, paper, and paperboard	8.9	9.2	9.4	12.8	12.1	12.1	15.9	15.8	16.0
Less than 50 lb	48.6	38.7	39.8	38.3	39.9	40.0	36.5	38.0	37.1
50 to 99 lb	43.6	49.2	46.1	S	S	S	S	S	S
100 to 499 lb	42.4	39.8	40.6	49.5	46.1	47.3	S	S	S
500 to 749 lb	45.1	45.6	46.9	S	S	S	47.6	S	S
750 to 999 lb	42.8	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	48.3	S	33.6	29.1	29.3	37.6	32.3	32.0
10,000 to 49,999 lb	10.6	11.2	10.6	13.5	16.1	16.8	20.2	20.6	21.2
50,000 to 99,999 lb	37.1	39.9	39.3	S	S	S	S	S	S
100,000 lb or more	10.6	12.4	13.2	17.7	16.4	15.9	30.3	30.8	31.1
SCTG 28, Paper or paperboard articles	15.5	15.1	15.0	14.2	17.0	19.0	15.1	22.0	21.3
Less than 50 lb	28.0	26.6	26.7	31.4	23.6	23.0	35.9	40.1	39.5
50 to 99 lb	S	S	S	32.2	40.2	37.7	42.0	40.2	40.3
100 to 499 lb	25.4	26.6	27.3	45.8	39.8	39.5	44.9	37.1	37.2
500 to 749 lb	31.7	27.1	27.0	S	46.5	46.2	S	S	S
750 to 999 lb	49.9	42.4	40.9	S	S	S	42.9	33.0	33.5
1,000 to 9,999 lb	16.1	16.9	18.6	22.9	19.3	18.5	38.6	S	S
10,000 to 49,999 lb	19.7	18.2	18.0	19.0	13.2	13.7	19.3	21.4	21.5
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	17.9	12.8	13.5	11.4	22.0	21.5	11.5	17.9	17.5
Less than 50 lb	17.6	15.1	14.8	15.1	17.0	17.1	21.6	22.1	22.0
50 to 99 lb	17.3	16.2	16.9	28.3	31.6	31.9	35.6	35.2	36.3
100 to 499 lb	21.5	14.3	14.4	29.8	26.3	26.7	32.0	49.8	48.1
500 to 749 lb	21.8	19.1	18.8	28.5	28.5	27.3	46.4	S	S
750 to 999 lb	32.1	17.3	17.9	36.9	31.9	30.7	46.9	33.5	33.2
1,000 to 9,999 lb	33.6	16.8	16.3	29.4	17.7	18.6	21.6	16.2	15.9
10,000 to 49,999 lb	45.5	16.2	17.3	22.7	29.0	29.0	31.7	28.8	28.5
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	10.5	9.6	9.6	21.8	19.4	20.2	7.1	12.6	13.4
Less than 50 lb	17.6	10.9	11.3	9.5	9.1	9.4	10.8	10.2	10.2
50 to 99 lb	14.4	13.3	13.6	10.3	12.7	12.4	13.7	15.4	14.7
100 to 499 lb	21.1	13.3	13.6	12.6	11.1	11.3	10.4	9.4	9.4
500 to 749 lb	20.9	17.8	17.6	26.2	21.1	20.6	16.7	17.2	17.5
750 to 999 lb	36.9	18.5	18.5	11.9	17.3	17.5	36.6	23.7	25.2
1,000 to 9,999 lb	15.6	13.8	14.1	26.4	19.3	19.9	12.8	8.5	8.7
10,000 to 49,999 lb	11.4	11.5	11.2	40.5	31.9	33.2	16.3	18.8	18.9
50,000 to 99,999 lb	49.5	37.8	38.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	8.6	13.2	13.1	22.0	24.3	25.5	10.9	30.2	31.3
Less than 50 lb	40.7	37.0	36.8	24.5	27.1	25.4	23.8	27.9	25.6
50 to 99 lb	28.9	31.9	31.3	S	S	S	26.4	35.2	34.5
100 to 499 lb	19.6	19.4	19.2	24.8	20.5	21.2	41.8	30.2	30.4
500 to 749 lb	26.1	25.2	25.1	43.0	34.6	33.9	30.4	30.7	30.9
750 to 999 lb	S	42.8	44.0	S	S	S	S	47.4	48.5
1,000 to 9,999 lb	23.3	25.1	23.0	49.7	13.8	13.7	26.4	21.4	21.8
10,000 to 49,999 lb	10.7	13.2	13.0	31.0	26.3	27.7	12.6	14.5	14.3
50,000 to 99,999 lb	29.3	32.7	30.3	S	S	S	S	45.2	46.8
100,000 lb or more	28.2	34.3	34.0	33.0	44.7	45.3	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	11.3	11.5	11.7	15.1	27.6	30.9	21.6	23.3	23.0
Less than 50 lb	23.3	15.5	15.7	25.7	29.1	26.8	38.9	29.2	29.1
50 to 99 lb	23.0	27.1	27.5	S	S	S	37.6	43.3	40.4
100 to 499 lb	21.8	25.3	25.7	34.1	33.6	33.5	40.0	22.8	23.1
500 to 749 lb	25.8	20.0	20.7	38.6	45.6	43.9	40.3	33.7	33.0
750 to 999 lb	27.2	25.8	25.9	S	S	S	S	S	S
1,000 to 9,999 lb	17.6	25.3	24.4	14.1	18.6	19.5	15.0	44.0	44.2
10,000 to 49,999 lb	10.6	12.6	12.3	22.8	23.4	23.8	19.1	28.9	33.8
50,000 to 99,999 lb	41.1	44.5	49.9	S	S	S	S	S	S
100,000 lb or more	25.8	17.0	17.3	28.9	46.0	48.8	35.9	29.8	29.3
SCTG 33, Articles of base metal	8.1	12.8	13.1	14.3	20.7	22.4	10.7	28.1	27.8
Less than 50 lb	16.1	13.1	12.5	21.7	14.7	15.2	25.6	16.6	16.3
50 to 99 lb	20.7	23.5	23.1	22.1	21.2	21.1	29.9	29.6	29.9
100 to 499 lb	11.6	12.8	12.9	23.6	26.9	26.9	19.8	16.5	17.1
500 to 749 lb	21.7	14.0	14.9	36.6	22.1	22.5	26.0	22.0	21.6
750 to 999 lb	25.6	22.1	20.9	S	S	S	36.4	25.3	26.2
1,000 to 9,999 lb	15.7	14.2	14.0	23.4	15.9	16.5	14.4	20.6	20.2
10,000 to 49,999 lb	14.0	19.3	20.2	13.1	18.4	16.3	19.3	47.0	46.7
50,000 to 99,999 lb	31.1	41.2	39.8	S	S	S	S	S	S
100,000 lb or more	38.4	37.0	37.5	43.9	49.6	S	S	S	S
SCTG 34, Machinery	10.0	9.6	9.7	8.5	11.5	11.5	20.6	14.8	14.3
Less than 50 lb	8.6	13.9	14.0	15.5	14.6	14.6	12.8	9.9	10.0
50 to 99 lb	17.8	14.3	14.4	21.7	19.1	19.3	22.9	23.0	23.6
100 to 499 lb	10.9	11.2	10.6	19.0	18.1	18.3	10.4	10.4	9.9
500 to 749 lb	18.2	23.3	21.7	21.7	19.1	18.9	S	21.2	21.5
750 to 999 lb	25.0	32.0	31.3	31.8	25.0	26.1	25.8	25.8	26.3
1,000 to 9,999 lb	19.4	13.2	13.4	15.9	16.4	16.4	19.4	19.0	18.1
10,000 to 49,999 lb	12.4	13.5	13.5	13.7	13.7	13.8	17.5	20.1	19.9
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	49.9
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	18.3	12.7	13.3	18.8	19.2	18.4	11.0	11.0	10.5
Less than 50 lb	22.6	12.6	12.3	8.6	9.9	10.2	10.1	15.9	15.7
50 to 99 lb	38.1	18.6	19.4	42.2	S	S	25.9	13.0	13.6
100 to 499 lb	41.3	44.0	43.1	44.0	46.5	43.4	29.4	20.6	20.3
500 to 749 lb	27.4	12.1	11.9	34.0	26.6	25.2	29.5	21.0	19.0
750 to 999 lb	35.1	S	S	30.4	S	S	30.8	21.2	19.7
1,000 to 9,999 lb	24.2	13.6	14.2	25.4	14.4	13.7	28.0	23.7	21.7
10,000 to 49,999 lb	24.1	13.6	13.7	19.2	28.4	26.7	21.3	15.2	17.0
50,000 to 99,999 lb	S	S	S	46.8	47.2	47.6	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	10.8	9.9	10.6	18.2	17.1	17.3	22.2	22.3	21.8
Less than 50 lb	23.2	17.4	17.1	24.4	19.5	18.0	22.1	19.0	18.1
50 to 99 lb	16.0	21.5	19.7	32.5	30.8	31.0	33.4	28.4	27.8
100 to 499 lb	26.3	21.4	21.8	18.8	16.1	16.0	45.0	29.9	29.6
500 to 749 lb	36.7	24.3	23.1	S	S	S	35.2	31.5	30.7
750 to 999 lb	49.0	22.1	22.0	35.1	32.5	31.8	39.0	30.2	29.1
1,000 to 9,999 lb	21.1	21.2	22.0	26.5	26.4	27.2	29.4	32.3	30.6
10,000 to 49,999 lb	23.0	10.3	9.8	24.9	20.6	20.5	19.6	24.7	23.3
50,000 to 99,999 lb	S	49.7	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 37, Transportation equipment, n.e.c.	20.0	20.7	23.1	47.1	21.6	21.3	20.3	32.3	S
Less than 50 lb	20.3	43.9	41.8	26.3	22.4	22.4	33.4	41.7	39.7
50 to 99 lb	25.5	29.3	28.6	S	S	49.9	27.6	27.5	27.3
100 to 499 lb	23.4	40.6	40.6	36.5	24.9	24.5	43.4	27.9	27.4
500 to 749 lb	41.8	25.2	25.7	44.1	28.7	29.0	S	41.2	41.6
750 to 999 lb	S	38.0	38.4	42.0	S	S	47.8	40.9	41.3
1,000 to 9,999 lb	29.8	19.5	18.8	48.7	34.6	34.8	36.3	25.9	24.9
10,000 to 49,999 lb	26.9	28.6	29.9	S	36.5	35.7	S	31.7	33.2
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	47.9	26.9	26.5	25.1	17.3	17.4	24.4	S	49.6
Less than 50 lb	S	S	S	40.0	26.2	25.5	24.2	33.3	33.4
50 to 99 lb	21.3	14.7	14.5	26.9	47.0	48.1	25.9	45.0	43.4
100 to 499 lb	19.3	16.6	16.6	37.4	33.1	35.2	23.2	37.2	36.3
500 to 749 lb	S	38.5	37.8	30.4	28.5	28.5	46.7	41.0	40.8
750 to 999 lb	S	33.6	35.0	S	48.9	49.2	49.9	S	S
1,000 to 9,999 lb	33.5	32.3	32.0	42.5	31.3	32.1	S	S	S
10,000 to 49,999 lb	33.7	38.2	38.7	S	S	S	27.6	31.6	31.5
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12.4	11.9	11.7	9.7	9.4	9.5	8.5	11.7	12.8
Less than 50 lb	29.8	35.3	35.3	20.8	37.1	39.5	20.7	29.9	29.9
50 to 99 lb	S	19.7	19.1	13.9	11.4	11.5	17.6	19.0	19.0
100 to 499 lb	27.4	15.4	15.3	14.4	10.5	10.5	14.4	12.0	12.3
500 to 749 lb	16.9	13.7	13.0	24.5	17.4	17.5	18.2	17.0	17.1
750 to 999 lb	20.2	27.0	26.4	39.2	26.9	27.2	21.4	23.8	24.6
1,000 to 9,999 lb	8.5	10.0	10.9	16.2	11.0	11.2	16.1	16.7	18.8
10,000 to 49,999 lb	16.9	24.7	25.0	23.3	21.0	21.5	20.2	25.2	26.4
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	17.2	13.2	13.8	13.1	13.0	13.1	7.4	23.6	22.7
Less than 50 lb	37.8	16.7	17.2	35.5	13.1	13.0	16.5	15.4	15.3
50 to 99 lb	25.4	18.0	17.9	16.4	13.6	13.8	29.0	18.5	17.2
100 to 499 lb	22.7	10.5	10.7	22.5	10.4	10.3	23.6	44.6	41.8
500 to 749 lb	13.1	11.1	11.4	S	21.4	21.1	32.1	41.9	42.7
750 to 999 lb	24.1	22.3	20.9	22.0	22.9	23.1	40.0	30.6	30.5
1,000 to 9,999 lb	19.6	17.5	18.3	20.9	15.8	16.2	13.5	17.2	16.6
10,000 to 49,999 lb	11.1	19.4	19.2	23.1	15.0	15.0	16.9	38.4	37.4
50,000 to 99,999 lb	33.0	48.9	45.6	S	S	S	S	49.4	48.9
100,000 lb or more	35.0	36.3	37.5	S	S	S	S	S	S
SCTG 41, Waste and scrap .	23.4	24.1	24.5	S	45.0	46.4	44.7	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	23.2	22.9	25.2	S	S	S	S	43.1	43.2
50,000 to 99,999 lb	S	34.5	33.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	44.7	S	S	36.9	40.6	42.1	37.2	S	S
Less than 50 lb	S	34.2	34.6	S	S	S	48.1	46.9	47.6
50 to 99 lb	S	43.2	42.4	S	S	S	S	S	S
100 to 499 lb	29.0	30.9	30.5	47.1	43.4	43.9	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	37.4	33.8	32.3	46.4	45.7	47.0	37.3	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	20.5	33.8	34.9	29.1	44.8	S	S	S	S
Less than 50 lb	33.1	36.7	36.5	S	41.3	39.8	37.9	27.0	26.9
50 to 99 lb	S	47.4	47.5	S	47.6	49.2	S	S	S
100 to 499 lb	48.6	S	S	S	S	S	S	40.6	40.0
500 to 749 lb	30.1	30.2	28.0	S	S	S	43.7	S	49.9
750 to 999 lb	43.3	38.3	38.2	S	S	S	47.2	S	S
1,000 to 9,999 lb	34.2	28.9	29.2	49.3	36.7	37.3	37.1	33.5	33.2
10,000 to 49,999 lb	26.0	29.0	28.3	34.2	34.2	33.9	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

SAMPLE DESIGN

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

First Stage

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidiroglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty make up the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode-NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

Second Stage

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26,

1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

Third Stage

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

DATA COLLECTION

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which

the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed "unusable." (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these "unusable" shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of "usable" shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment's reporting week are both equal to one.

The quarter weight inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of

quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment's value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment's probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

Appendix D.

Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by agencies of the United States and Canadian governments based on the Harmonized System (HS) of product classification which is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In the past, Commodity Flow Survey (CFS) data have been collected and reported using product classifications found in the Standard Transportation Commodity Classification (STCC) system. These classifications were developed in the early 1960s by the American Association of Railroads (AAR) to analyze commodity movements by rail. The original purpose of the STCC was for identification of commodities for purposes of assigning rates for Interstate Commerce Commission (ICC) regulated rail carriers. The STCC continues to be used by the AAR as a tariff mechanism.

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although

it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

In 1997 the CFS provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, we instructed respondents to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment.

Additional information on the SCTG system can be found on the Internet through the BTS web page at <http://www.bts.gov>. Comments or questions on the SCTG should be directed to <http://cfs@bts.gov>.

Appendix E.

Sample Report Forms and Instructions

The sample report forms and instructions are shown on the following pages.

Note: The CFS-2000 was sent to a subsample of establishments to obtain additional information about the use of transportation equipment and facilities.

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

--

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see *Instruction Guide* for a definition of "shipment."**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

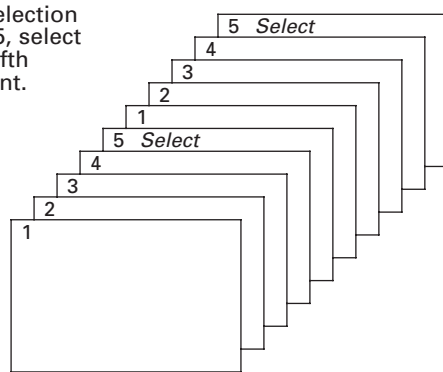
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

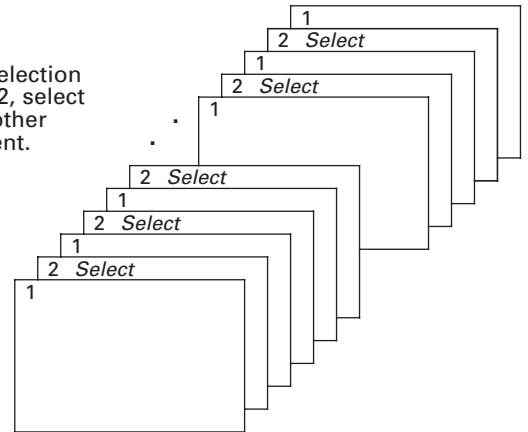
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(l)	(m)		
	City	State	ZIP Code			City	Country		
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel

6 — Deep draft vessel

7 — Pipeline

8 — Air

9 — Other mode

0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

Item G
1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

2. Are the records for outbound shipments from this location maintained in a number of separate files (e.g., separate files for each commodity, or for each shipping site) at this location?

☐ Yes

☐ No

If yes to item G1 or item G2:
3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

Enter the total value of shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item I

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item J
CERTIFICATION

Name of person to contact regarding this report — *Please print*

Telephone number — *Include area code*

Date

Signature

Title

FORM CFS-1000 (11-1-96) Page 7

E-8 APPENDIX E TRANSPORTATION-COMMODITY FLOW SURVEY

U.S. Census Bureau, 1997 Economic Census

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1
- ☐
- In operation
-
- 2
- ☐
- Temporarily or seasonally inactive
-
- 3
- ☐
- Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

--

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see Instruction Guide for a definition of "shipment."

DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.**YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

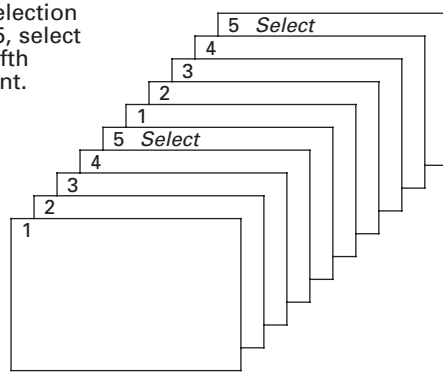
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

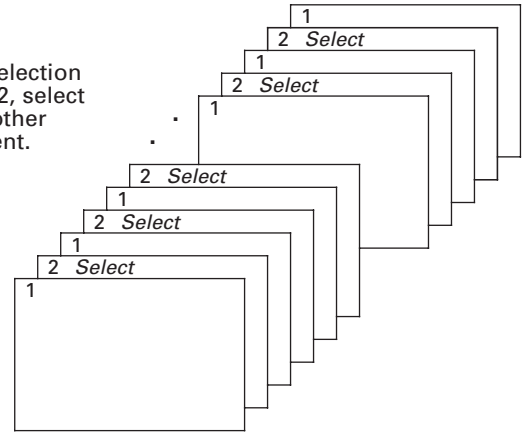
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	(j)					(m)			
(i)	City	State	ZIP Code		(l)	City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G

Enter the total dollar value of **all** shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item H

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item I
AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not this type of facility existed **on-site** during 1997. For each "Yes" in column (b), check "Yes" or "No" in column (c) to indicate whether or not you used the facility on your premises for **outbound shipments** during 1997.

Type of shipping facility (a)	Was a shipping facility of this type on your premises during 1997? (b)	Did you use this facility on your premises for outbound shipments during 1997? (c)
1. Rail siding	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
2. Dock on the Great Lakes	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
3. Dock on inland water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
4. Dock on deep sea water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
6. Pipeline terminal	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item J **USE OF OFF-SITE SHIPPING FACILITIES**

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not you used an **off-site** facility of that type for **outbound shipments** during 1997. For each "Yes", enter the miles to that off-site facility in column (c), and the mode of transport used to reach that facility in column (d). The modes are listed below.

Type of shipping facility (a)	Did you use this type of off-site facility for outbound shipments during 1997? (b)	Distance to the off-site facility of this type that you used most in 1997 (Report in miles – estimates are acceptable) (c)	Mode of transport used to reach that facility (Enter a code from the list below) (d)
1. Rail siding	1 ☐ Yes —————→ 2 ☐ No		
2. Dock on the Great Lakes	1 ☐ Yes —————→ 2 ☐ No		
3. Dock on inland water	1 ☐ Yes —————→ 2 ☐ No		
4. Dock on deep sea water	1 ☐ Yes —————→ 2 ☐ No		
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —————→ 2 ☐ No		
6. Pipeline terminal	1 ☐ Yes —————→ 2 ☐ No		

1 – Trailer on Flat Car (TOFC)
2 – Private Truck

3 – For-Hire Truck
4 – Rail

5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

During 1997, did this location use any of the following types of equipment for outbound shipments? Please check "Yes" or "No." For rail cars reported in number 1 below, enter the approximate percentage of your total outbound rail shipments that used that type of rail car. These percentages should add to 100%. If you had no rail shipments, leave the percentages blank.

Equipment (a)	Was this type of equipment used for outbound shipments during 1993? (b)	Percentage of total rail shipments (c)
1. Rail cars that:	1 ☐ Yes → 2 ☐ No	
a. Your company owned/leased		
b. A common carrier owned/leased	1 ☐ Yes → 2 ☐ No	
c. Another party owned/leased (e.g. receiver)	1 ☐ Yes → 2 ☐ No	
2. Trucks with 6 or more tires or truck-tractors that:	1 ☐ Yes 2 ☐ No	
a. Your company owned		
b. Your company leased, with driver	1 ☐ Yes 2 ☐ No	
c. Your company leased, without driver	1 ☐ Yes 2 ☐ No	
3. Truck trailers that your company owned or leased	1 ☐ Yes 2 ☐ No	
4. Aircraft that your company owned or leased	1 ☐ Yes 2 ☐ No	
5. Barges that your company owned or leased	1 ☐ Yes 2 ☐ No	
6. Other equipment that your company owned or leased – <i>Specify</i> ↴	1 ☐ Yes 2 ☐ No	

Item L TRANSPORTATION DECISIONS

During 1997, who generally decided on the mode of transportation for your outbound shipments? *Check the appropriate box.*

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

Item M CERTIFICATIONName of person to contact regarding this report – *Please print*Telephone number – *Include area code*

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

You may use estimates if book figures are not readily available.

If you have questions about completing the survey, a Census Bureau representative will be glad to assist you. You can call us at 1-800-772-7851.

Some instructions are included on the questionnaire itself. However, due to space limitations, most of the instructions and definitions are included in separate reference materials. These include this instruction guide, and a listing of commodity codes to be used for classifying individual shipments in this survey.

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

The CFS produces valuable measures of the demands on the nation's transportation system.

The results of the CFS are used by transportation policy makers to analyze future transportation needs.

Who reports in the CFS?

The CFS covers a sample of establishments in the mining, manufacturing, wholesale, and selected retail industries.

Why is my participation important?

Your establishment was selected as part of a sample designed to represent a wide range of industries and geographic regions.

Your report helps ensure quality results.

Is this survey mandatory?

Yes. The CFS is mandatory under the authority of Title 13, United States Code (USC).

Will my data be kept confidential?

Yes. The same law that requires your participation, Title 13, USC, also guarantees your data will be kept strictly confidential.

The reports you provide the Census Bureau cannot be used for purposes of taxation, regulation, or investigation.

Your report is used only to develop summary data that do not reveal the activities of individual firms or establishments.

How often must I report?

You will be sent four questionnaires in all: one during each quarter of 1997.

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

Please enter the information requested on your establishment's name, operational status, and physical location.

Item D

Enter in the space provided your total number of outbound shipments **for the one week reporting period** on the front of the questionnaire.

Please include in this count any materials picked up by the customer ("customer pick-up").

What we mean by a "shipment":

For the purposes of this survey, a shipment is a single movement of goods, commodities, products, etc. from your location to a customer or to another location of your company.

"Commodities" refer to items that your location produces, sells, or distributes, *not* to items that are considered by-products of your location's operation.

What we don't mean by a "shipment":

Do *not* include as shipments items such as inter-office memos, payroll checks, business correspondence, etc.

Do *not* include as shipments items such as refuse, scrap paper, waste, and recyclable materials **unless** your location is in the business of selling or providing these materials to others.

A special note about "shipments":

A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location.

If a truck makes multiple deliveries on a route, **please count each stop as one shipment.**

Item E: Sampling Instructions

If you reported 40 or fewer shipments in Item D, complete Item F (Shipment Characteristics) for all of your shipments covered by the one-week reporting period.

If you reported more than 40 shipments in Item D, follow the instructions in Item E in order to select a sample of shipments on which to report in Item F.

By asking you to select a sample of your shipments for the one-week reporting period, we avoid asking you for information on all your shipments, while still obtaining statistically accurate information.

Reminder: The files you are sampling from should reflect the full range of your location's shipping activities in terms of modes of transportation used, commodities shipped, and destinations.

We're here to answer your questions! If you have questions about the sampling process (or any part of the questionnaire) please call us at 1-800-772-7851.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

- **Shipment ID Number (column b)** – Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date (column c)** – Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value (column d)** – Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, f.o.b. plant). If the value is not readily available from your records, please estimate.
- **Shipment Weight (column e)** – Enter the weight of the total shipment in whole pounds. If weight is not readily available from your records, please estimate.
- **Commodity Code (column f)** – Please use the list of Standard Classification of Transported Goods (SCTG) Codes in the enclosed SCTG Manual to select the proper code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight.
- **Commodity Description (column g)** – Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.

Item F SHIPMENT CHARACTERISTICS							
Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
		Month	Day				
0	123-5	4	26	4,235	140	3 6 1 2 0	Electrical transformers
00	123-6	4	26	125,300	626,500	1 7 1 0 0	Gasoline
1							
2							
3							
4							

Mode of transport codes for columns (k) and (n) ▶

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **For Hazardous Materials (column h)** – If shipment is a hazardous material, enter the 4-digit United Nations or North American number.
- **Containerized (column i)** – Indicate whether or not the shipment was containerized by entering "Y" or "N" (yes or no). Containerized means that the shipment **left your establishment** in an intermodal container or stackable tank without permanently attached wheels. These containers typically vary from 20 to 53 feet in length, and are carried on truck chassis, trains, and ships.
- **U.S. Destination: City, State, and ZIP Code (column j)** – For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver as it appears on the shipping document. Use the **"ship to"** address. Use the two letter state abbreviation shown in Part IV.

For **export shipments**, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, it is the border crossing.
- **Mode(s) of Transport (column k)** – Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in column j). Codes are located on the bottom of pages 2, 3, 4, and 5 of the questionnaire. Enter in the sequence used, all that apply. See Part III for definitions of each mode.

For Customer Pick-up: Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

If a hazardous material, enter the "UN" or "NA" number (h)	Containerized? (Y/N) (i)	U.S. destination (j)			Mode(s) of transport to U.S. destination Enter all that apply using codes shown below. (k)
		City	State	ZIP Code	
	N	Los Angeles	CA	90040	2, 4, 3
	N	New York	NY	10454	5

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **Export Shipment (column l)** – Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" or "N" (yes or no). For purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions are considered exports.
- **Foreign Destination: City and Country (column m)** – If the shipment is an export, enter the foreign city and country of destination. **For U.S. Destination (column j),** enter the U.S. port, airport, or border crossing of exit. **In column (k),** enter the mode of transport used to the U.S. destination.
- **Export Mode (column n)** – If the shipment is an export, enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 2, 3, 4, and 5 of the questionnaire.

Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	Country		
N				0
Y	London	England	6	00
				1
				2
				3
				4
				5

Items G – I

Please enter the information requested.

Item J: Certification

Please enter the name and telephone number of the person to contact in the event that we have a question about your report.

PART III – MODE DEFINITIONS

Parcel delivery/Courier/U.S. Postal Service – Delivery services that carry letters, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.

Private truck – Trucks operated by a temporary or permanent employee of this establishment or the buyer/receiver of the shipment.

For-hire truck – Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.

Railroad – Any common carrier or private railroad.

Shallow draft vessel – Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.

Deep draft vessel – Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.

Air – Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.

Other mode – Any mode not listed above.

Unknown – The shipment was not carried by a parcel delivery/courier/U.S. Postal service, and you cannot determine what mode of transportation is used.

Note: Commodities that are "shipped" under their own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Commodities shipped under their own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other" mode.**

PART IV -- STATE ABBREVIATION LIST

State	Abbrev.	State	Abbrev.
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

NOTICE - We estimate that it will take an average of 2 hours to complete this form. This includes time to read instructions, assemble and review information, and record answers on the form. If you have any comments regarding this estimate or any other aspect of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0189, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-0001. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

Midwest Region

1997

Issued April 2000

EC97TCF-REG(3)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

This report was prepared in the Service Sector Statistics Division under the direction of **Thomas E. Zabelsky**, Assistant Chief for Current Service and Transportation Programs. Planning, implementation, and compiling of this report were under the supervision of **John L. Fowler**, Chief, Commodity Flow Survey Branch, assisted by **Wanda Dougherty, Debra Corbett, Bruce Dembroski, Shirley Gray, Michael Jones, Stephanie Kelley, Mabel Ocasio, Bonnie Opalko, Joyce Price, Barbara Selinske, Eli Serrano,** and **Michael Sprung**. Sample design and statistical methodology were developed under the general direction of **Howard Hogan** and **Carl A. Konschnik**, former Assistant Chiefs, and **Ruth E. Detlefsen**, current Assistant Chief, Research and Methodology. Sample design and estimation were under the supervision of **Patrick Cantwell**, former Chief, and **Jock Black**, current Chief, Program Research and Development Branch, assisted by **William C. Davie Jr., David L. Kinyon, Jacklyn R. Jonas,** and **M. Cristina Cruz**. Frame construction, sample control, imputation, and quality control procedures were developed under the supervision of **Carol King**, Chief, Statistical Methods Branch, assisted by **James Hunt**.

The processing system and computer programs were developed and implemented by the OAO programming group, led by **Jacques Wilmore** and assisted by **Harold N. Bobbitt** and **Robert J. Jeffrey**. **Steve G. McCraith**, Chief, Quinquennial Surveys Branch, Economic Statistical Methods and Programming Division and **Joseph F. Keehan** provided general support.

Coordination of data collection efforts was under the direction of **Judith N. Petty**, Chief, National Processing Center, assisted by **Matthew Aulbach, Linda Broadus, Grant Goodwin, Carlene Bottorff, Teresa Branstetter,** and **Jack Miller**.

The staff of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, performed planning, design, composition, editorial review, and printing planning and procurement for the publications, Internet products, and report forms. **Margaret A. Smith** provided publication coordination and editing.

We also acknowledge the contributions of the following Department of Transportation (DOT) representatives in the overall planning and design of the survey: **Rolf Schmitt**, Associate Director for Transportation Studies, Bureau of Transportation Statistics, assisted by **Susan Lapham, Russ Capelle, Ronald J. Duych,** and **Felix Ammah-Tagoe**.

The Oak Ridge National Laboratory's Center for Transportation Analysis, under the former and current direction of **Mike Bronzini** and **David Greene**, respectively, provided all mileage data for this report, using its transportation network modeling system, under the supervision of **Frank Southworth** and assisted by **Shih-Miao Chin, Bruce Peterson, Jane Rollow,** and **Angela Gibson**.

Special acknowledgment is also due to the many businesses whose cooperation was essential to the publication of these data.

1997 Economic Census

Transportation

1997 Commodity Flow Survey



**U.S. Department of
Transportation**
Rodney E. Slater,
Secretary
Mortimer L. Downey,
Deputy Secretary

**BUREAU OF TRANSPORTATION
STATISTICS**
Dr. Ashish Sen,
Director
Rick Kowalewski,
Deputy Director
Rolf R. Schmitt,
Associate Director for
Transportation Studies



U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

**Economics
and Statistics
Administration**
Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



**BUREAU OF TRANSPORTATION
STATISTICS**

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

CONTENTS

Introduction to the Economic Census	1
1997 Commodity Flow Survey	3

TABLES

1a. Shipment Characteristics by Mode of Transportation for the Region: 1997	9
1b. Shipment Characteristics by Mode of Transportation for the Region: 1997 and 1993	9
1c. Shipment Characteristics by Mode of Transportation for the Region: Percent of Total for 1997 and 1993	10
2. Shipment Characteristics by Total Modal Activity for the Region: 1997	10
3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997	11
4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997	14
5. Shipment Characteristics by Two-Digit Commodity for the Region: 1997	17
6. Shipment Characteristics by Three-Digit Commodity for the Region: 1997	18
7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997	21
8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997	36
9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997	42
10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997	48

APPENDIXES

A. Comparability With the 1993 Commodity Flow Survey	A-1
B. Reliability of the Estimates	B-1
C. Sample Design, Data Collection, and Estimation	C-1
D. Standard Classification of Transported Goods Code Information	D-1
E. Sample Report Forms and Instructions	E-1

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are

published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

1997 Commodity Flow Survey

GENERAL

The 1997 Commodity Flow Survey (CFS) is undertaken through a partnership between the Bureau of the Census, U.S. Department of Commerce, and the Bureau of Transportation Statistics, U.S. Department of Transportation. This survey produces data on the movement of goods in the United States. It provides information on commodities shipped, their value, weight, and mode of transportation, as well as the origin and destination of shipments of manufacturing, mining, wholesale, and selected retail establishments. The CFS was last conducted in 1993. See the Comparability With the 1993 Commodity Flow Survey table (Appendix A) for a comparison between the 1997 and 1993 surveys. The data from the CFS are used by public policy analysts and for transportation planning and decision-making to assess the demand for transportation facilities and services, energy use, and safety risk and environmental concerns.

This report presents data for the four Census Regions and nine Census Divisions. Additional reports include data for the United States, states, and selected metropolitan areas, as well as selected data on exports and hazardous material shipments.

INDUSTRY COVERAGE

The 1997 CFS covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey coverage excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail.

The industries covered, as defined in the 1987 Standard Industrial Classification Manual (SIC), are listed in the following table:

SIC code	Title
10, ex. 108	Metal mining (excluding metal mining services)
12, ex. 124	Coal mining (excluding coal mining services)
13	Oil and gas extraction ¹
14, ex. 148	Mining and quarrying of nonmetallic minerals, except fuels (excluding nonmetallic minerals services)
20	Food and kindred products
21	Tobacco products
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27, ex. 279	Printing, publishing, and allied industries (excluding service industries for the printing trade)
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastics products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, except machinery and transportation equipment
35	Industrial and commercial machinery and computer equipment
36	Electronic and other electrical equipment and components, except computer equipment
37	Transportation equipment
38	Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39	Miscellaneous manufacturing industries
50	Wholesale trade—durable goods
51	Wholesale trade—nondurable goods
596	Catalog and mail-order houses

¹We included establishments classified in SIC 13, Oil and Gas Extraction, in the initial coverage of the 1997 CFS. However, because of unresolved industry-wide reporting issues, we have removed shipments from these establishments from our 1997 CFS tabulations. The data collected from these establishments will be used as input to a special report at a later date.

Similarly, because establishments in SIC 13 are responsible for the overwhelming number of shipments classified in SCTG 16, Crude Petroleum, we have removed all shipments with SCTG 16 from the 1997 CFS publication results.

SHIPMENT COVERAGE

The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. The data do not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Shipments traversing the U.S. from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to a U.S. location. Imported products are included in the CFS at the point that they left the importer's domestic location for shipment to another location. Shipments that are shipped through a foreign territory with both the origin and destination in the U.S. are included in the CFS data. The mileages calculated for these shipments exclude the international segments (e.g., shipments from New York to Michigan through Canada do not include any mileages for Canada). Export shipments are included, with the domestic destination defined as the port of exit from the U.S.

The "Industry Coverage" section of the text lists the SIC groups covered by the CFS. Other industry areas that are not covered, but may have significant shipping activity, include agriculture, government, and retail (other than warehouses and SIC 5961, Catalog and Mail-Order Houses). For agriculture specifically, this means that the CFS did not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward.

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported

multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

The ORNL multimodal network database is composed of individual modal-specific networks representing each of the major transportation modes—highway, rail, waterway, air, and pipeline. The links of these specific modal networks are the representation of line-haul transportation facilities. The nodes represent intersections and interchanges, and the access points to the transportation network. To simulate local access, test links are created from each five-digit ZIP Code centroid to nearby nodes on the network. For the truck network, local access is assumed to exist everywhere. For the other modes this is not true. Before any test links are created for these modes, a search procedure is used to determine if and where such networks are most likely to provide access to the ZIP Code. For shipments involving more than one mode, such as truck-rail or rail-water shipments, intermodal transfer links are added to the network database for the purpose of connecting the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at ORNL to identify likely transfer points for different classes of freight. A measure of link impedance was calculated for each access, line-haul, and intermodal transfer link traversed by a shipment. These impedances were mode specific and are based on various link characteristics. For example, the set of link characteristics for the highway network included speed impacting factors, such as the presence of divided or undivided roadway, the degree of access control, rural or urban setting, type of pavement, number of lanes, degree of urban congestion, and length of the link. Link impedance measures are also assigned to the local access links. Intermodal transfer link impedances are estimated in terms of the time it takes to move goods through such a transfer. In the case of rail and air freight, intercarrier transfer penalties are also considered in order to obtain proper route selections. A minimum path algorithm is used to find the minimum impedance path between a shipment's origin ZIP Code centroid and destination ZIP Code centroid. The cumulative length of the local access plus line-haul links on this path provides the estimated shipment distance. When rail was involved these shipment distances may be averaged over more than one path between an origin-destination pair.

Mileage Data for Pipeline Shipments

In the tables, we do not show ton-miles or average miles per shipment for pipeline shipments. For most of these shipments, the respondents reported the shipment

destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network, and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment.

DISCLOSURE RULES

In accordance with Federal law governing Census Bureau reports, no data are published that would disclose the operations of an individual firm or establishment.

EXPLANATION OF TERMS

Average miles per shipment. For the 1993 CFS, we excluded shipments of STCC 27, Printed Matter, from our calculation of average miles per shipment. We made this decision after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term “shipment.”

For the 1997 CFS, we made numerous efforts throughout our data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, we have included printed products in the average miles per shipment calculations for the 1997 CFS.

Commodity. Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment’s operation. Respondents reported the description and the five-digit SCTG code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.

Distance shipped. In some tables, shipment data are presented for various “distance shipped” intervals. Shipments were categorized into these “distance shipped” intervals based on the great circle distance between their origin and destination ZIP Code centroids. All other distance-related data in this and other tables (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories. (See the “Mileage Calculations” section for more details.)

Great circle distance. The shortest distance between two points on the earth’s surface.

Mode of transportation. The type of transportation used for moving the shipment to its domestic destination. For exports, the domestic destination was the port of exit.

Mode Definitions

In the instructions to the respondent, we defined the possible modes as follows:

1. **Parcel delivery/courier/U.S. Postal Service.** Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
2. **Private truck.** Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
3. **For-hire truck.** Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
4. **Railroad.** Any common carrier or private railroad.
5. **Shallow draft vessels.** Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
6. **Deep draft vessel.** Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.
7. **Pipeline.** Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper’s establishment. Aqueducts for the movement of water are not included.
8. **Air.** Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.
9. **Other mode.** Any mode not listed above.
10. **Unknown.** The shipment was not carried by a parcel delivery/courier/U.S. Postal Service, and the respondent could not determine what mode of transportation was used.

In the tables, we have used additional terms for mode, which we define as follows:

1. **Air (includes truck and air).** Shipments that used air or a combination of truck and air.
2. **Single modes.** Shipments using only one of the above-listed modes, except parcel or other and unknown.
3. **Multiple modes.** Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used:
 - Private truck
 - For-hire truck
 - Rail
 - Shallow draft vessel
 - Deep draft vessel
 - Pipeline

We did not allow for multiple modes in combination with “parcel, U.S. Postal Service or courier,” “unknown,” or “other.” By their nature, these shipments may already include various kinds of multiple-mode activity. For example, if the respondent reported a shipment’s mode of transportation as parcel and air, we treated the shipment as parcel only.

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.
5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as “Other” or “Unknown.”
6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.
7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as “Other multiple modes.”
8. **Great Lakes.** In the tables in this publication, “Great Lakes” appears as a single mode. ORNL’s transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the “Mileage Calculations” section for more details).

Other Definitions and Terms

Shipment. A shipment (or delivery) is an individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.

Standard Classification of Transported Goods

(SCTG). The commodities shown in this report are classified using the SCTG coding system. The SCTG coding system was developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States

exclude any mileages through Canada (see the “Mileage Calculations” section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

Tons shipped. The total weight of the entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.

Total modal activity. The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)

Value of shipments. The dollar value of the entire shipment. This was defined as the net selling value, f.o.b. plant, exclusive of freight charges and excise taxes. The value data are displayed in millions of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables for this publication:

D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey.
lb	Pounds.
n.e.c.	Not elsewhere classified.
NA	Not applicable.
n.o.s.	Not otherwise specified.

OTHER TRANSPORTATION DATA

Users of transportation data may be especially interested in the following reports:

Economic Census: Transportation Sector covers establishments that provide passenger and freight transportation to the general public, government, or other businesses.

Published data include kind of business, geographic location, total operating revenue, annual and first quarter payroll, and number of employees for pay period including March 12.

Vehicle Inventory and Use Survey covers state and U.S. level statistics on the physical and operational characteristics of the Nation's truck, van, minivan, and sport utility vehicle population. Some of the types of data collected include number of vehicles, major use, body type, annual miles, model year, vehicle size, fuel type, operator classification, engine size, range of operation, weeks operated, products carried, and hazardous materials carried. This survey shows comparative statistics reflecting percent changes in number of vehicles between 1997 and 1992 for most characteristics.

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected

include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

All results of the 1997 Economic Census are available on the Census Bureau Internet site <http://www.census.gov> and on compact discs (CD-ROM).

For more information on any Census Bureau product, including a description of electronic and printed reports being issued, see the website or call Customer Services at 301-457-4100.

Table 1a. Shipment Characteristics by Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	2 046 684	100.0	3 213 213	100.0	790 549	100.0	469
Single modes	1 705 134	83.3	3 021 774	94.0	707 458	89.5	184
Truck ¹	1 506 861	73.6	2 350 961	73.2	325 716	41.2	141
For-hire truck	977 035	47.7	1 170 356	36.4	250 453	31.7	383
Private truck	517 072	25.3	1 156 728	36.0	72 357	9.2	50
Rail	135 895	6.6	436 606	13.6	272 120	34.4	708
Water	13 181	.6	139 884	4.4	101 123	12.8	S
Shallow draft	11 677	.6	100 774	3.1	87 697	11.1	S
Great Lakes	1 480	—	38 359	1.2	13 415	1.7	342
Deep draft	S	S	S	S	S	S	4 155
Air (includes truck and air)	29 652	1.4	1 060	—	1 102	.1	1 239
Pipeline ²	19 545	1.0	93 264	2.9	S	S	S
Multiple modes	261 863	12.8	82 807	2.6	63 954	8.1	733
Parcel, U.S. Postal Service or courier	216 908	10.6	7 865	.2	5 197	.7	732
Truck and rail	41 842	2.0	17 299	.5	18 152	2.3	1 375
Truck and water	465	—	9 200	.3	6 253	.8	3 687
Rail and water	1 098	—	36 838	1.1	30 488	3.9	1 244
Other multiple modes	1 551	—	11 605	.4	3 863	.5	S
Other and unknown modes	79 687	3.9	108 631	3.4	19 137	2.4	99

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1b. Shipment Characteristics by Mode of Transportation for the Region: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	2 046 684	1 710 383	19.7	3 213 213	2 638 561	21.8	790 549	665 809	18.7	469	411	14.2
Single modes	1 705 134	1 456 097	17.1	3 021 774	2 470 873	22.3	707 458	595 353	18.8	184	186	-1.3
Truck ¹	1 506 861	1 308 726	15.1	2 350 961	1 876 630	25.3	325 716	270 949	20.2	141	140	.3
For-hire truck	977 035	848 435	15.2	1 170 356	865 942	35.2	250 453	206 037	21.6	383	410	-6.7
Private truck	517 072	455 933	13.4	1 156 728	1 004 808	15.1	72 357	63 542	13.9	50	52	-3.2
Rail	135 895	91 129	49.1	436 606	380 139	14.9	272 120	222 918	22.1	708	692	2.4
Water	13 181	10 587	24.5	139 884	126 976	10.2	101 123	93 795	7.8	S	655	S
Shallow draft	11 677	9 372	24.6	100 774	93 733	7.5	87 697	80 952	8.3	S	624	S
Great Lakes	1 480	S	S	38 359	33 041	16.1	13 415	12 395	8.2	342	534	-36.0
Deep draft	S	43	S	S	S	S	S	S	S	4 155	4 004	3.8
Air (includes truck and air)	29 652	30 509	-2.8	1 060	956	10.9	1 102	977	12.8	1 239	1 224	1.3
Pipeline ²	19 545	15 146	29.0	93 264	86 173	8.2	S	S	S	S	S	S
Multiple modes	261 863	196 178	33.5	82 807	70 064	18.2	63 954	51 065	25.2	733	665	10.1
Parcel, U.S. Postal Service or courier	216 908	152 252	42.5	7 865	6 179	27.3	5 197	3 785	37.3	732	663	10.4
Truck and rail	41 842	39 919	4.8	17 299	9 564	80.9	18 152	11 050	64.3	1 375	1 257	9.4
Truck and water	465	1 859	-75.0	9 200	23 548	-60.9	6 253	15 044	-58.4	3 687	2 546	44.8
Rail and water	1 098	757	45.1	36 838	22 656	62.6	30 488	16 945	79.9	1 244	579	115.0
Other multiple modes	1 551	S	S	11 605	8 116	43.0	3 863	4 241	-8.9	S	1 219	S
Other and unknown modes	79 687	58 109	37.1	108 631	97 624	11.3	19 137	19 391	-1.3	99	210	-53.1

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1c. Shipment Characteristics by Mode of Transportation for the Region: Percent of Total for 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	83.3	85.1	94.0	93.6	89.5	89.4
Truck ¹	73.6	76.5	73.2	71.1	41.2	40.7
For-hire truck	47.7	49.6	36.4	32.8	31.7	30.9
Private truck	25.3	26.7	36.0	38.1	9.2	9.5
Rail	6.6	5.3	13.6	14.4	34.4	33.5
Water	.6	.6	4.4	4.8	12.8	14.1
Shallow draft	.6	.5	3.1	3.6	11.1	12.2
Great Lakes	—	S	1.2	1.3	1.7	1.9
Deep draft	S	—	S	S	S	S
Air (includes truck and air)	1.4	1.8	—	—	.1	.1
Pipeline ²	1.0	.9	2.9	3.3	S	S
Multiple modes	12.8	11.5	2.6	2.7	8.1	7.7
Parcel, U.S. Postal Service or courier	10.6	8.9	.2	.2	.7	.6
Truck and rail	2.0	2.3	.5	.4	2.3	1.7
Truck and water	—	.1	.3	.9	.8	2.3
Rail and water	—	—	1.1	.9	3.9	2.5
Other multiple modes	—	S	.4	.3	.5	.6
Other and unknown modes	3.9	3.4	3.4	3.7	2.4	2.9

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 2. Shipment Characteristics by Total Modal Activity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	790 550	100.0	462
Truck	327 814	41.5	139
Rail	295 980	37.4	876
Shallow draft	96 067	12.2	S
Great Lakes	36 917	4.7	359
Deep draft	S	S	5 423
Air	1 015	.1	1 159
Parcel, U.S. Postal Service or courier	5 197	.7	732
Pipeline	S	S	S
Other and unknown modes	19 160	2.4	98

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹Data represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving by truck only plus ton-miles for truck segments only of multiple mode shipments.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	2 046 684	100.0	3 213 213	100.0	790 549	100.0
Less than 50 miles	560 044	27.4	1 794 357	55.8	39 551	5.0
50 to 99 miles	177 274	8.7	309 240	9.6	28 808	3.6
100 to 249 miles	346 887	16.9	407 720	12.7	88 214	11.2
250 to 499 miles	342 702	16.7	297 605	9.3	147 657	18.7
500 to 749 miles	241 378	11.8	179 731	5.6	155 257	19.6
750 to 999 miles	144 642	7.1	107 039	3.3	123 325	15.6
1,000 to 1,499 miles	140 361	6.9	91 882	2.9	150 549	19.0
1,500 to 1,999 miles	83 231	4.1	23 087	.7	50 185	6.3
2,000 miles or more	10 165	.5	2 551	—	7 003	.9
Single modes	1 705 134	100.0	3 021 774	100.0	707 458	100.0
Less than 50 miles	492 528	28.9	1 709 018	56.6	38 001	5.4
50 to 99 miles	159 392	9.3	301 695	10.0	27 983	4.0
100 to 249 miles	305 608	17.9	383 386	12.7	82 123	11.6
250 to 499 miles	286 204	16.8	264 791	8.8	125 044	17.7
500 to 749 miles	190 056	11.1	162 881	5.4	141 166	20.0
750 to 999 miles	109 526	6.4	95 326	3.2	109 318	15.5
1,000 to 1,499 miles	100 222	5.9	84 035	2.8	138 823	19.6
1,500 to 1,999 miles	55 670	3.3	18 989	.6	40 820	5.8
2,000 miles or more	5 927	.3	1 653	—	4 181	.6
Truck¹	1 506 861	100.0	2 350 961	100.0	325 716	100.0
Less than 50 miles	469 703	31.2	1 558 878	66.3	34 596	10.6
50 to 99 miles	151 237	10.0	250 742	10.7	22 472	6.9
100 to 249 miles	277 405	18.4	252 644	10.7	50 459	15.5
250 to 499 miles	248 710	16.5	144 545	6.1	62 671	19.2
500 to 749 miles	152 490	10.1	67 406	2.9	49 810	15.3
750 to 999 miles	86 690	5.8	36 840	1.6	37 948	11.7
1,000 to 1,499 miles	74 520	4.9	25 079	1.1	36 531	11.2
1,500 to 1,999 miles	42 057	2.8	13 660	.6	28 410	8.7
2,000 miles or more	4 049	.3	1 168	—	2 818	.9
For-hire truck	977 035	100.0	1 170 356	100.0	250 453	100.0
Less than 50 miles	169 083	17.3	616 747	52.7	14 797	5.9
50 to 99 miles	80 115	8.2	139 938	12.0	12 610	5.0
100 to 249 miles	196 719	20.1	168 887	14.4	34 747	13.9
250 to 499 miles	211 455	21.6	119 649	10.2	52 037	20.8
500 to 749 miles	132 407	13.6	58 251	5.0	43 142	17.2
750 to 999 miles	76 193	7.8	30 478	2.6	31 539	12.6
1,000 to 1,499 miles	68 719	7.0	23 254	2.0	33 916	13.5
1,500 to 1,999 miles	38 576	3.9	12 112	1.0	25 164	10.0
2,000 miles or more	3 768	.4	1 040	—	2 501	1.0
Private truck	517 072	100.0	1 156 728	100.0	72 357	100.0
Less than 50 miles	297 873	57.6	925 125	80.0	19 317	26.7
50 to 99 miles	70 030	13.5	108 171	9.4	9 619	13.3
100 to 249 miles	78 219	15.1	81 869	7.1	15 341	21.2
250 to 499 miles	35 588	6.9	23 826	2.1	10 167	14.1
500 to 749 miles	18 691	3.6	8 495	.7	6 172	8.5
750 to 999 miles	7 980	1.5	6 036	.5	6 079	8.4
1,000 to 1,499 miles	5 344	1.0	1 661	.1	2 386	3.3
1,500 to 1,999 miles	3 090	.6	1 448	.1	3 038	4.2
2,000 miles or more	257	—	96	—	237	.3
Rail	135 895	100.0	436 606	100.0	272 120	100.0
Less than 50 miles	9 170	6.7	76 188	17.4	2 544	.9
50 to 99 miles	3 974	2.9	40 174	9.2	4 458	1.6
100 to 249 miles	19 430	14.3	80 087	18.3	21 077	7.7
250 to 499 miles	29 432	21.7	88 945	20.4	46 412	17.1
500 to 749 miles	27 075	19.9	56 662	13.0	50 365	18.5
750 to 999 miles	16 227	11.9	36 177	8.3	41 867	15.4
1,000 to 1,499 miles	19 351	14.2	52 691	12.1	91 973	33.8
1,500 to 1,999 miles	10 032	7.4	5 230	1.2	12 201	4.5
2,000 miles or more	1 204	.9	451	.1	1 223	.4
Water	13 181	100.0	139 884	100.0	101 123	100.0
Less than 50 miles	1 894	14.4	15 000	10.7	231	.2
50 to 99 miles	265	2.0	4 202	3.0	535	.5
100 to 249 miles	876	6.6	29 122	20.8	6 972	6.9
250 to 499 miles	1 232	9.3	24 770	17.7	13 301	13.2
500 to 749 miles	5 027	38.1	38 668	27.6	40 844	40.4
750 to 999 miles	3 027	23.0	22 178	15.9	29 336	29.0
1,000 to 1,499 miles	860	6.5	5 942	4.2	9 893	9.8
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Shallow draft	11 677	100.0	100 774	100.0	87 697	100.0
Less than 50 miles	1 245	10.7	10 589	10.5	220	.3
50 to 99 miles	108	.9	2 745	2.7	351	.4
100 to 249 miles	673	5.8	15 685	15.6	4 052	4.6
250 to 499 miles	1 031	8.8	9 022	9.0	6 458	7.4
500 to 749 miles	4 732	40.5	34 612	34.3	37 388	42.6
750 to 999 miles	3 027	25.9	22 178	22.0	29 336	33.5
1,000 to 1,499 miles	860	7.4	5 942	5.9	9 893	11.3
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	1 480	100.0	38 359	100.0	13 415	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	156	10.6	1 457	3.8	184	1.4
100 to 249 miles	203	13.7	13 436	35.0	2 920	21.8
250 to 499 miles	201	13.6	15 748	41.1	6 843	51.0
500 to 749 miles	S	S	4 056	10.6	3 456	25.8
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	29 652	100.0	1 060	100.0	1 102	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	1 912	6.4	62	5.8	15	1.3
100 to 249 miles	3 690	12.4	241	22.7	64	5.8
250 to 499 miles	5 395	18.2	211	19.9	151	13.7
500 to 749 miles	5 465	18.4	144	13.6	147	13.3
750 to 999 miles	3 581	12.1	132	12.4	167	15.2
1,000 to 1,499 miles	5 355	18.1	139	13.1	221	20.0
1,500 to 1,999 miles	3 581	12.1	99	9.3	208	18.9
2,000 miles or more	673	2.3	32	3.0	129	11.8
Pipeline²	19 545	100.0	93 264	100.0	S	S
Less than 50 miles	11 762	60.2	58 952	63.2	S	S
50 to 99 miles	2 005	10.3	6 515	7.0	S	S
100 to 249 miles	4 207	21.5	21 293	22.8	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	261 863	100.0	82 807	100.0	63 954	100.0
Less than 50 miles	30 491	11.6	5 260	6.4	331	.5
50 to 99 miles	12 750	4.9	S	S	514	.8
100 to 249 miles	34 642	13.2	14 778	17.8	4 412	6.9
250 to 499 miles	48 218	18.4	28 234	34.1	20 509	32.1
500 to 749 miles	44 712	17.1	13 929	16.8	11 996	18.8
750 to 999 miles	30 678	11.7	9 620	11.6	11 772	18.4
1,000 to 1,499 miles	32 530	12.4	3 115	3.8	5 084	7.9
1,500 to 1,999 miles	23 948	9.1	3 095	3.7	7 328	11.5
2,000 miles or more	3 895	1.5	612	.7	2 008	3.1
Parcel, U.S. Postal Service or courier	216 908	100.0	7 865	100.0	5 197	100.0
Less than 50 miles	29 047	13.4	1 178	15.0	28	.5
50 to 99 miles	12 116	5.6	486	6.2	46	.9
100 to 249 miles	32 243	14.9	1 242	15.8	268	5.2
250 to 499 miles	41 123	19.0	1 507	19.2	684	13.2
500 to 749 miles	35 166	16.2	1 247	15.9	941	18.1
750 to 999 miles	25 227	11.6	901	11.5	937	18.0
1,000 to 1,499 miles	24 300	11.2	784	10.0	1 137	21.9
1,500 to 1,999 miles	15 170	7.0	436	5.5	907	17.5
2,000 miles or more	2 516	1.2	85	1.1	249	4.8
Truck and rail	41 842	100.0	17 299	100.0	18 152	100.0
Less than 50 miles	824	2.0	S	S	S	S
50 to 99 miles	550	1.3	S	S	S	S
100 to 249 miles	1 702	4.1	1 535	8.9	434	2.4
250 to 499 miles	6 506	15.5	2 599	15.0	1 565	8.6
500 to 749 miles	9 103	21.8	2 371	13.7	2 125	11.7
750 to 999 miles	4 935	11.8	2 017	11.7	2 413	13.3
1,000 to 1,499 miles	8 204	19.6	2 235	12.9	3 753	20.7
1,500 to 1,999 miles	8 777	21.0	2 659	15.4	6 419	35.4
2,000 miles or more	1 240	3.0	415	2.4	1 124	6.2
Truck and water	465	100.0	9 200	100.0	6 253	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	1 190	12.9	385	6.2
250 to 499 miles	S	S	5 730	62.3	3 260	52.1
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	106	22.7	S	S	S	S

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	1 098	100.0	36 838	100.0	30 488	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	91	8.3	4 070	11.0	1 136	3.7
250 to 499 miles	510	46.4	17 687	48.0	14 673	48.1
500 to 749 miles	328	29.8	9 759	26.5	8 328	27.3
750 to 999 miles	161	14.6	5 252	14.3	6 196	20.3
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	1 551	100.0	11 605	100.0	3 863	100.0
Less than 50 miles	614	39.6	2 774	23.9	S	S
50 to 99 miles	73	4.7	819	7.1	S	S
100 to 249 miles	S	S	6 740	58.1	2 189	56.7
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	8	—	36	.9
Other and unknown modes	79 687	100.0	108 631	100.0	19 137	100.0
Less than 50 miles	37 025	46.5	80 080	73.7	1 218	6.4
50 to 99 miles	5 131	6.4	3 381	3.1	311	1.6
100 to 249 miles	6 638	8.3	9 556	8.8	1 679	8.8
250 to 499 miles	8 280	10.4	4 579	4.2	2 104	11.0
500 to 749 miles	6 609	8.3	2 921	2.7	2 095	10.9
750 to 999 miles	4 438	5.6	2 093	1.9	2 236	11.7
1,000 to 1,499 miles	7 609	9.5	4 732	4.4	6 642	34.7
1,500 to 1,999 miles	3 612	4.5	1 004	.9	2 038	10.6
2,000 miles or more	344	.4	286	.3	814	4.3

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	2 046 684	100.0	3 213 213	100.0	790 549	100.0	469
Less than 50 lb	197 920	9.7	6 477	.2	3 152	.4	565
50 to 99 lb	58 889	2.9	3 879	.1	1 217	.2	312
100 to 499 lb	178 441	8.7	22 388	.7	5 298	.7	241
500 to 749 lb	59 480	2.9	11 097	.3	2 707	.3	242
750 to 999 lb	39 596	1.9	9 133	.3	1 892	.2	207
1,000 to 9,999 lb	456 366	22.3	196 466	6.1	42 059	5.3	214
10,000 to 49,999 lb	787 094	38.5	1 263 612	39.3	238 202	30.1	190
50,000 to 99,999 lb	136 800	6.7	634 553	19.7	57 144	7.2	90
100,000 lb or more	132 098	6.5	1 065 606	33.2	438 877	55.5	349
Single modes	1 705 134	100.0	3 021 774	100.0	707 458	100.0	184
Less than 50 lb	52 358	3.1	2 465	—	369	—	179
50 to 99 lb	26 793	1.6	2 331	—	348	—	143
100 to 499 lb	131 130	7.7	19 165	.6	3 828	.5	190
500 to 749 lb	53 713	3.2	10 401	.3	2 498	.4	238
750 to 999 lb	36 318	2.1	8 634	.3	1 767	.2	205
1,000 to 9,999 lb	410 679	24.1	185 511	6.1	38 211	5.4	208
10,000 to 49,999 lb	745 316	43.7	1 236 380	40.9	219 371	31.0	179
50,000 to 99,999 lb	124 661	7.3	623 048	20.6	53 900	7.6	87
100,000 lb or more	124 165	7.3	933 839	30.9	387 165	54.7	344
Truck¹	1 506 861	100.0	2 350 961	100.0	325 716	100.0	141
Less than 50 lb	41 349	2.7	2 353	.1	229	—	89
50 to 99 lb	24 096	1.6	2 291	.1	303	—	127
100 to 499 lb	123 575	8.2	19 003	.8	3 662	1.1	181
500 to 749 lb	52 304	3.5	10 349	.4	2 451	.8	235
750 to 999 lb	35 470	2.4	8 603	.4	1 739	.5	202
1,000 to 9,999 lb	397 847	26.4	184 041	7.8	36 888	11.3	203
10,000 to 49,999 lb	713 089	47.3	1 226 919	52.2	210 339	64.6	173
50,000 to 99,999 lb	97 249	6.5	613 052	26.1	46 811	14.4	78
100,000 lb or more	21 882	1.5	284 351	12.1	23 294	7.2	65
For-hire truck	977 035	100.0	1 170 356	100.0	250 453	100.0	383
Less than 50 lb	12 022	1.2	496	—	151	—	283
50 to 99 lb	9 663	1.0	465	—	213	—	439
100 to 499 lb	67 826	6.9	5 357	.5	2 862	1.1	531
500 to 749 lb	32 810	3.4	3 355	.3	2 003	.8	596
750 to 999 lb	21 526	2.2	2 577	.2	1 338	.5	520
1,000 to 9,999 lb	249 937	25.6	65 048	5.6	28 310	11.3	471
10,000 to 49,999 lb	513 260	52.5	598 013	51.1	167 667	66.9	301
50,000 to 99,999 lb	56 126	5.7	330 352	28.2	31 767	12.7	97
100,000 lb or more	13 866	1.4	164 694	14.1	16 142	6.4	71
Private truck	517 072	100.0	1 156 728	100.0	72 357	100.0	50
Less than 50 lb	29 037	5.6	1 848	.2	73	.1	39
50 to 99 lb	13 915	2.7	1 812	.2	86	.1	46
100 to 499 lb	54 892	10.6	13 562	1.2	785	1.1	56
500 to 749 lb	19 207	3.7	6 950	.6	440	.6	63
750 to 999 lb	13 715	2.7	5 962	.5	393	.5	66
1,000 to 9,999 lb	144 094	27.9	117 745	10.2	8 295	11.5	69
10,000 to 49,999 lb	194 007	37.5	619 492	53.6	40 806	56.4	64
50,000 to 99,999 lb	40 366	7.8	274 871	23.8	14 572	20.1	55
100,000 lb or more	7 838	1.5	114 486	9.9	6 907	9.5	53
Rail	135 895	100.0	436 606	100.0	272 120	100.0	708
Less than 50 lb	S	S	S	S	S	S	320
50 to 99 lb	S	S	S	S	—	—	S
100 to 499 lb	143	.1	19	—	5	—	S
500 to 749 lb	36	—	11	—	3	—	S
750 to 999 lb	31	—	5	—	3	—	619
1,000 to 9,999 lb	9 480	7.0	898	.2	1 005	.4	1 097
10,000 to 49,999 lb	28 635	21.1	7 965	1.8	8 590	3.2	1 103
50,000 to 99,999 lb	26 945	19.8	9 442	2.2	6 787	2.5	737
100,000 lb or more	70 547	51.9	418 263	95.8	255 727	94.0	650
Water	13 181	100.0	139 884	100.0	101 123	100.0	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	881
750 to 999 lb	S	S	S	S	S	S	5
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	1 126
100,000 lb or more	12 972	98.4	139 225	99.5	101 068	99.9	847
Shallow draft	11 677	100.0	100 774	100.0	87 697	100.0	S
Less than 50 lb	S	S	S	S	S	S	384
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	931
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	1 126
100,000 lb or more	11 470	98.2	100 118	99.3	87 652	99.9	872

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	1 480	100.0	38 359	100.0	13 415	100.0	342
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	707
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	33
10,000 to 49,999 lb	S	S	S	S	S	S	7
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	1 479	100.0	38 357	100.0	13 415	100.0	349
Deep draft	S	S	S	S	S	S	4 155
Less than 50 lb	S	S	S	S	S	S	10 468
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	5
1,000 to 9,999 lb	S	S	S	S	S	S	1
10,000 to 49,999 lb	S	S	S	S	S	S	8 390
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	1
Air (includes truck and air)	29 652	100.0	1 060	100.0	1 102	100.0	1 239
Less than 50 lb	10 947	36.9	110	10.4	139	12.6	1 246
50 to 99 lb	2 681	9.0	38	3.6	45	4.1	1 166
100 to 499 lb	7 404	25.0	137	12.9	160	14.6	1 187
500 to 749 lb	1 371	4.6	40	3.8	45	4.1	1 126
750 to 999 lb	817	2.8	26	2.5	25	2.3	973
1,000 to 9,999 lb	3 197	10.8	245	23.2	276	25.0	1 153
10,000 to 49,999 lb	3 186	10.7	378	35.6	325	29.5	1 078
50,000 to 99,999 lb	47	.2	61	5.8	79	7.2	1 275
100,000 lb or more	S	S	S	S	8	.7	434
Pipeline²	19 545	100.0	93 264	100.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	733	.8	S	S	S
50,000 to 99,999 lb	419	2.1	463	.5	S	S	S
100,000 lb or more	18 761	96.0	91 976	98.6	S	S	S
Multiple modes	261 863	100.0	82 807	100.0	63 954	100.0	733
Less than 50 lb	137 874	52.7	3 704	4.5	2 755	4.3	739
50 to 99 lb	29 995	11.5	1 323	1.6	853	1.3	649
100 to 499 lb	42 405	16.2	2 275	2.7	1 374	2.1	613
500 to 749 lb	4 217	1.6	343	.4	167	.3	486
750 to 999 lb	2 389	.9	252	.3	98	.2	388
1,000 to 9,999 lb	17 677	6.8	2 364	2.9	2 169	3.4	925
10,000 to 49,999 lb	21 746	8.3	7 680	9.3	11 712	18.3	1 518
50,000 to 99,999 lb	S	S	1 349	1.6	1 183	1.9	908
100,000 lb or more	3 224	1.2	63 518	76.7	43 641	68.2	913
Parcel, U.S. Postal Service or courier	216 908	100.0	7 865	100.0	5 197	100.0	732
Less than 50 lb	137 838	63.5	3 703	47.1	2 754	53.0	739
50 to 99 lb	29 972	13.8	1 322	16.8	851	16.4	648
100 to 499 lb	42 253	19.5	2 255	28.7	1 343	25.8	607
500 to 749 lb	4 164	1.9	323	4.1	151	2.9	464
750 to 999 lb	2 249	1.0	231	2.9	89	1.7	384
1,000 to 9,999 lb	432	.2	30	.4	9	.2	305
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	41 842	100.0	17 299	100.0	18 152	100.0	1 375
Less than 50 lb	S	S	1	—	1	—	2 217
50 to 99 lb	22	—	1	—	2	—	1 619
100 to 499 lb	143	.3	14	—	28	.2	2 095
500 to 749 lb	47	.1	S	S	S	S	1 837
750 to 999 lb	S	S	5	—	7	—	1 580
1,000 to 9,999 lb	16 609	39.7	1 791	10.4	2 059	11.3	1 161
10,000 to 49,999 lb	21 672	51.8	7 512	43.4	11 566	63.7	1 534
50,000 to 99,999 lb	S	S	816	4.7	612	3.4	697
100,000 lb or more	918	2.2	S	S	3 863	21.3	1 001
Truck and water	465	100.0	9 200	100.0	6 253	100.0	3 687
Less than 50 lb	S	S	S	S	S	S	890
50 to 99 lb	S	S	S	S	S	S	2 880
100 to 499 lb	5	1.1	1	—	3	—	5 822
500 to 749 lb	1	.2	—	—	S	S	2 669
750 to 999 lb	2	.5	—	—	2	—	5 023
1,000 to 9,999 lb	62	13.4	13	.1	85	1.4	7 472
10,000 to 49,999 lb	35	7.4	S	S	S	S	3 483
50,000 to 99,999 lb	S	S	S	S	S	S	2 165
100,000 lb or more	343	73.6	8 901	96.7	5 645	90.3	519

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	1 098	100.0	36 838	100.0	30 488	100.0	1 244
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	2 725
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	5 297
10,000 to 49,999 lb	S	S	S	S	S	S	5 656
50,000 to 99,999 lb	S	S	S	S	S	S	1 546
100,000 lb or more	1 094	99.6	36 741	99.7	30 338	99.5	1 060
Other multiple modes	1 551	100.0	11 605	100.0	3 863	100.0	S
Less than 50 lb	1	—	—	—	S	S	615
50 to 99 lb	S	S	S	S	S	S	308
100 to 499 lb	4	.3	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	11
1,000 to 9,999 lb	573	36.9	530	4.6	S	S	S
10,000 to 49,999 lb	40	2.6	129	1.1	41	1.1	S
50,000 to 99,999 lb	S	S	S	S	S	S	44
100,000 lb or more	S	S	10 724	92.4	3 796	98.3	480
Other and unknown modes	79 687	100.0	108 631	100.0	19 137	100.0	99
Less than 50 lb	7 688	9.6	308	.3	28	.1	85
50 to 99 lb	2 100	2.6	225	.2	17	—	72
100 to 499 lb	4 906	6.2	949	.9	96	.5	103
500 to 749 lb	1 550	1.9	353	.3	42	.2	116
750 to 999 lb	888	1.1	247	.2	27	.1	106
1,000 to 9,999 lb	28 010	35.2	8 592	7.9	1 679	8.8	192
10,000 to 49,999 lb	20 031	25.1	19 552	18.0	7 119	37.2	360
50,000 to 99,999 lb	S	S	10 156	9.3	2 060	10.8	204
100,000 lb or more	4 709	5.9	68 250	62.8	8 070	42.2	326

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 5. Shipment Characteristics by Two-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	2 046 684	100.0	3 213 213	100.0	790 549	100.0	469
01	Live animals and live fish	3 402	.2	3 068	.1	608	—	339
02	Cereal grains	36 417	1.8	319 295	9.9	172 302	21.8	138
03	Other agricultural products	36 829	1.8	102 242	3.2	41 817	5.3	612
04	Animal feed and products of animal origin, n.e.c.	30 495	1.5	95 597	3.0	28 959	3.7	78
05	Meat, fish, seafood, and their preparations	63 745	3.1	27 706	.9	16 156	2.0	190
06	Milled grain products and preparations, and bakery products	41 078	2.0	48 304	1.5	28 316	3.6	233
07	Other prepared foodstuffs and fats and oils	115 419	5.6	135 883	4.2	51 115	6.5	189
08	Alcoholic beverages	18 069	.9	18 772	.6	4 589	.6	35
09	Tobacco products	7 302	.4	453	—	74	—	91
10	Monumental or building stone	749	—	3 845	.1	398	—	91
11	Natural sands	1 127	—	134 572	4.2	8 363	1.1	47
12	Gravel and crushed stone	3 074	.2	575 681	17.9	39 100	4.9	32
13	Nonmetallic minerals n.e.c.	2 842	.1	70 256	2.2	9 724	1.2	145
14	Metallic ores and concentrates	3 080	.2	65 274	2.0	40 775	5.2	391
15	Coal	3 951	.2	174 844	5.4	26 639	3.4	74
17	Gasoline and aviation turbine fuel	51 668	2.5	199 957	6.2	14 114	1.8	35
18	Fuel oils	19 835	1.0	95 941	3.0	5 777	.7	24
19	Coal and petroleum products, n.e.c.	17 803	.9	112 426	3.5	15 405	1.9	78
20	Basic chemicals	19 296	.9	45 614	1.4	19 613	2.5	187
21	Pharmaceutical products	51 941	2.5	1 921	—	970	.1	501
22	Fertilizers	9 177	.4	45 231	1.4	6 144	.8	138
23	Chemical products and preparations, n.e.c.	69 045	3.4	33 349	1.0	16 753	2.1	293
24	Plastics and rubber	87 701	4.3	30 691	1.0	14 652	1.9	535
25	Logs and other wood in the rough	759	—	9 132	.3	1 412	.2	320
26	Wood products	25 686	1.3	41 693	1.3	10 043	1.3	360
27	Pulp, newsprint, paper, and paperboard	27 691	1.4	42 920	1.3	17 809	2.3	253
28	Paper or paperboard articles	28 194	1.4	18 412	.6	5 755	.7	342
29	Printed products	70 356	3.4	21 176	.7	8 077	1.0	493
30	Textiles, leather, and articles of textiles or leather	41 570	2.0	3 743	.1	2 152	.3	811
31	Nonmetallic mineral products	30 384	1.5	276 310	8.6	27 161	3.4	399
32	Base metal in primary or semifinished forms and in finished basic shapes	120 718	5.9	177 521	5.5	48 949	6.2	257
33	Articles of base metal	83 492	4.1	38 927	1.2	19 155	2.4	462
34	Machinery	173 714	8.5	25 461	.8	12 974	1.6	393
35	Electronic and other electrical equipment and components and office equipment	164 082	8.0	11 980	.4	7 524	1.0	548
36	Motorized and other vehicles (including parts)	317 884	15.5	62 270	1.9	28 473	3.6	299
37	Transportation equipment, n.e.c.	20 794	1.0	1 772	—	1 048	.1	815
38	Precision instruments and apparatus	35 611	1.7	714	—	490	—	680
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	28 043	1.4	6 593	.2	4 096	.5	794
40	Miscellaneous manufactured products	113 234	5.5	23 111	.7	11 607	1.5	763
41	Waste and scrap	12 395	.6	69 134	2.2	12 405	1.6	165
43	Mixed freight	46 600	2.3	26 553	.8	6 163	.8	369
--	Commodity unknown	11 431	.6	14 869	.5	2 894	.4	476

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	2 046 684	100.0	3 213 213	100.0	790 549	100.0	469
010	Live animals and live fish	3 402	.2	3 068	.1	608	—	339
021	Wheat	8 681	.4	66 339	2.1	32 088	4.1	217
022	Corn, except sweet	22 136	1.1	225 759	7.0	123 487	15.6	92
029	Other cereal grains	5 600	.3	27 196	.8	16 727	2.1	287
031	Fresh or chilled potatoes (Irish potatoes), except sweet	1 695	—	2 669	—	S	S	83
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	5 831	.3	6 605	.2	1 195	.2	182
033	Fresh, chilled, or dried edible fruit and nuts	3 890	.2	4 051	.1	319	—	662
034	Soya beans	20 525	1.0	83 128	2.6	37 471	4.7	75
035	Oil seeds and nuts, except olives and soya beans	1 112	—	3 116	.1	1 174	.1	570
036	Bulbs, live plants, and seeds for sowing, n.e.c.	2 269	.1	1 566	—	556	—	728
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	1 507	—	1 109	—	199	—	187
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	8 944	.4	32 714	1.0	15 793	2.0	217
042	Animal feed preparations	21 551	1.1	62 883	2.0	13 166	1.7	67
051	Meat including poultry, except preparations	61 015	3.0	26 651	.8	15 562	2.0	208
052	Fish, except live, and seafood, except preparations	1 029	—	175	—	48	—	S
053	Preparations, extracts, and juices of meat, fish, or seafood	1 702	—	880	—	546	—	155
061	Wheat flour, groats, and meal	3 198	.2	12 536	.4	6 366	.8	240
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	4 914	.2	16 446	.5	12 432	1.6	390
063	Food preparations of cereals, flour, starch, or milk	13 723	.7	9 079	.3	5 116	.6	463
064	Bakery products	19 242	.9	10 243	.3	4 403	.6	194
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	30 642	1.5	24 839	.8	6 338	.8	131
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	18 922	.9	14 127	.4	5 601	.7	102
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	2 811	.1	848	—	275	—	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	11 656	.6	24 190	.8	12 635	1.6	249
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	5 023	.2	18 912	.6	13 479	1.7	334
076	Confectionery, cocoa, and cocoa preparations	6 920	.3	2 519	—	1 556	.2	701
077	Edible preparations, n.e.c. and vinegar	21 985	1.1	14 314	.4	7 427	.9	400
078	Nonalcoholic beverages, n.e.c. and ice	17 461	.9	36 134	1.1	3 804	.5	38
081	Malt Beer	10 975	.5	13 052	.4	2 006	.3	28
082	Wine and other fermented beverages	1 665	—	584	—	32	—	35
083	Spirituos beverages and ethyl alcohol	5 428	.3	5 136	.2	2 550	.3	71
090	Tobacco products	7 302	.4	453	—	74	—	91
100	Monumental or building stone, except dolomite	749	—	3 845	.1	398	—	91
110	Natural sands, except metal-bearing	1 127	—	134 572	4.2	8 363	1.1	47
120	Gravel and crushed stone, except dolomite and slate	3 074	.2	575 681	17.9	39 100	4.9	32
131	Salt	S	S	10 827	.3	2 544	.3	78
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	204
133	Dolomite	324	—	44 910	1.4	3 105	.4	S
139	Other nonmetallic minerals	1 054	—	13 783	.4	3 984	.5	407
141	Iron ores and concentrates	2 000	.1	62 475	1.9	40 313	5.1	542
149	Other metallic ores and concentrates	1 080	—	2 799	—	462	—	352
151	Nonagglomerated bituminous coal	3 519	.2	136 810	4.3	25 783	3.3	74
159	Other coal	432	—	38 034	1.2	856	.1	S
171	Gasoline	48 919	2.4	185 717	5.8	12 238	1.5	35
172	Aviation turbine fuel (types A and B)	2 749	.1	14 240	.4	S	S	79
180	Fuel oils	19 835	1.0	95 941	3.0	5 777	.7	24
191	Lubricating oils and greases	5 357	.3	6 054	.2	1 533	.2	117
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	1 767	—	S	S	2 487	.3	97
193	Gaseous hydrocarbons	4 282	.2	13 506	.4	2 098	.3	33
199	Other products of petroleum refining, and coal products	6 398	.3	83 717	2.6	9 286	1.2	71
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	693	—	2 319	—	612	—	210
202	Inorganic chemicals, n.e.c.	8 969	.4	35 796	1.1	16 100	2.0	124
203	Cyclic hydrocarbons	356	—	S	S	129	—	213
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	2 089	.1	2 346	—	1 068	.1	323
205	Organic chemicals, n.e.c.	7 189	.4	4 438	.1	1 703	.2	405
210	Pharmaceutical products	51 941	2.5	1 921	—	970	.1	501
220	Fertilizers and fertilizer materials	9 177	.4	45 231	1.4	6 144	.8	138
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	12 252	.6	4 554	.1	2 184	.3	292
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	11 129	.5	2 439	—	1 668	.2	346
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	19 660	1.0	16 104	.5	8 611	1.1	381
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	4 975	.2	477	—	226	—	281
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	10 867	.5	2 154	—	564	—	125
239	Other chemical products and preparations	10 161	.5	7 622	.2	3 500	.4	237
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	12 122	.6	6 722	.2	3 343	.4	426
242	Manmade fibers and plastics basic shapes and articles	57 711	2.8	19 308	.6	8 898	1.1	611

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	17 868	.9	4 662	.1	2 412	.3	280
250	Logs and other wood in the rough	759	—	9 132	.3	1 412	.2	320
261	Wood chips or particles	194	—	7 998	.2	S	S	S
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	7 962	.4	15 952	.5	3 180	.4	381
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	4 711	.2	7 713	.2	3 051	.4	482
264	Builders' joinery and carpentry of wood, except shingles and shakes	9 734	.5	3 890	.1	1 369	.2	212
269	Other wood products	3 086	.2	6 141	.2	1 193	.2	536
271	Pulp of fibrous cellulosic materials	860	—	S	S	S	S	356
272	Newsprint in large rolls or sheets	402	—	340	—	116	—	278
273	Uncoated paper and paperboard in large rolls or sheets	11 820	.6	17 909	.6	9 992	1.3	185
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	14 609	.7	12 473	.4	6 511	.8	433
280	Paper or paperboard articles	28 194	1.4	18 412	.6	5 755	.7	342
291	Printed books, brochures, leaflets, and similar printed products	28 443	1.4	5 777	.2	3 497	.4	948
292	Newspapers, journals, and periodicals	11 411	.6	7 243	.2	618	—	164
293	Advertising material, commercial or trade catalogues, and similar printed products	13 549	.7	4 774	.1	2 183	.3	659
299	Other printed products	16 953	.8	3 383	.1	1 779	.2	539
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	1 241	—	256	—	141	—	622
302	Textile clothing and accessories, and headgear, except safety	19 147	.9	1 247	—	786	.1	763
303	Textiles and textile articles, n.e.c.	11 934	.6	1 519	—	635	—	835
304	Footwear	6 699	.3	S	S	S	S	952
305	Leather and articles, luggage of related materials, and dressed furskins and articles	2 549	.1	254	—	189	—	868
311	Hydraulic cements	2 160	.1	34 709	1.1	4 344	.5	70
312	Ceramic products	5 760	.3	7 775	.2	2 883	.4	506
313	Glass and glass products	10 032	.5	9 142	.3	4 227	.5	754
319	Other nonmetallic mineral products	12 432	.6	224 683	7.0	15 708	2.0	68
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	12 746	.6	14 643	.5	6 769	.9	290
322	Flat-rolled products of iron or steel	54 234	2.6	119 199	3.7	27 235	3.4	191
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	22 555	1.1	30 753	1.0	8 981	1.1	256
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	31 182	1.5	12 926	.4	5 964	.8	320
331	Pipes, tubes, and fittings	20 416	1.0	17 938	.6	10 657	1.3	256
332	Structures and parts, except prefabricated buildings	13 217	.6	6 145	.2	2 282	.3	337
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	31 650	1.5	6 616	.2	3 026	.4	515
339	Other articles of metal	18 209	.9	8 228	.3	3 189	.4	558
341	Internal-combustion piston engines	43 348	2.1	7 808	.2	3 161	.4	347
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	3 688	.2	282	—	183	—	372
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	16 603	.8	1 823	—	1 155	.1	485
344	Air-conditioning, refrigerating, or freezing equipment	11 457	.6	1 875	—	1 322	.2	405
345	Materials-handling, excavating, boring, and related machinery and equipment	15 546	.8	2 968	—	1 518	.2	414
349	Other machinery	83 072	4.1	10 705	.3	5 633	.7	389
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	14 355	.7	1 976	—	1 305	.2	431
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	7 241	.4	790	—	548	—	869
353	Line telephone or telegraph apparatus	5 230	.3	151	—	126	—	739
354	Electronic entertainment products, except parts	6 733	.3	423	—	297	—	999
355	Computer and office equipment	34 582	1.7	605	—	406	—	788
356	Prepared unrecorded or prerecorded media	8 538	.4	183	—	128	—	863
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	9 160	.4	74	—	56	—	875
358	Electronic components and parts	15 868	.8	972	—	1 000	.1	647
359	Other electronic and electrical equipment	62 376	3.0	6 806	.2	3 658	.5	293
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	122 821	6.0	16 433	.5	11 350	1.4	592
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	9 225	.5	1 492	—	862	.1	276
363	Other vehicles	39 857	1.9	7 083	.2	3 328	.4	666
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	145 980	7.1	37 261	1.2	12 933	1.6	235
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	3 132	.2	1 109	—	458	—	638
372	Aircraft and spacecraft	14 115	.7	S	S	S	S	895
373	Ships, boats, and floating structures	3 548	.2	506	—	371	—	678
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	1 944	—	35	—	16	—	681
382	Photographic and photocopying machines	3 144	.2	112	—	66	—	605
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	792	—	5	—	5	—	741
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	18 516	.9	298	—	252	—	795
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	11 215	.5	264	—	151	—	513

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	28 043	1.4	6 593	.2	4 096	.5	794
401	Arms and ammunition	4 201	.2	261	—	190	—	886
402	Toys, games, and sporting equipment	10 693	.5	1 230	—	909	.1	928
409	Miscellaneous manufactured products	98 340	4.8	21 621	.7	10 508	1.3	707
411	Metallic waste and scrap	11 074	.5	57 804	1.8	9 460	1.2	115
412	Nonmetallic waste and scrap, except from food processing	1 321	—	11 330	.4	2 945	.4	292
439	Mixed freight	46 600	2.3	26 553	.8	6 163	.8	369
—	Commodity unknown	11 431	.6	14 869	.5	2 894	.4	476

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 160, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	2 046 684	100.0	3 213 213	100.0	790 549	100.0	469
Single modes	1 705 134	83.3	3 021 774	94.0	707 458	89.5	184
Truck ¹	1 506 861	73.6	2 350 961	73.2	325 716	41.2	141
For-hire truck	977 035	47.7	1 170 356	36.4	250 453	31.7	383
Private truck	517 072	25.3	1 156 728	36.0	72 357	9.2	50
Rail	135 895	6.6	436 606	13.6	272 120	34.4	708
Water	13 181	.6	139 884	4.4	101 123	12.8	S
Shallow draft	11 677	.6	100 774	3.1	87 697	11.1	S
Great Lakes	1 480	—	38 359	1.2	13 415	1.7	342
Deep draft	S	S	S	S	S	S	4 155
Air (includes truck and air)	29 652	1.4	1 060	—	1 102	.1	1 239
Pipeline ²	19 545	1.0	93 264	2.9	S	S	S
Multiple modes	261 863	12.8	82 807	2.6	63 954	8.1	733
Parcel, U.S. Postal Service or courier	216 908	10.6	7 865	.2	5 197	.7	732
Truck and rail	41 842	2.0	17 299	.5	18 152	2.3	1 375
Truck and water	465	—	9 200	.3	6 253	.8	3 687
Rail and water	1 098	—	36 838	1.1	30 488	3.9	1 244
Other multiple modes	1 551	—	11 605	.4	3 863	.5	S
Other and unknown modes	79 687	3.9	108 631	3.4	19 137	2.4	99
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	3 402	100.0	3 068	100.0	608	100.0	339
Single modes	3 322	97.6	3 009	98.1	593	97.5	208
Truck ¹	3 313	97.4	3 009	98.1	593	97.5	187
For-hire truck	2 426	71.3	2 285	74.5	515	84.7	226
Private truck	887	26.1	724	23.6	78	12.8	170
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 732
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	768
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	768
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	57
SCTG 02, CEREAL GRAINS							
Total	36 417	100.0	319 295	100.0	172 302	100.0	138
Single modes	35 275	96.9	313 526	98.2	168 012	97.5	138
Truck ¹	17 115	47.0	143 991	45.1	12 906	7.5	94
For-hire truck	11 737	32.2	93 196	29.2	10 174	5.9	146
Private truck	5 314	14.6	50 198	15.7	2 691	1.6	43
Rail	13 561	37.2	125 993	39.5	105 816	61.4	722
Water	4 596	12.6	43 502	13.6	49 281	28.6	1 183
Shallow draft	4 205	11.5	40 524	12.7	47 917	27.8	1 189
Great Lakes	391	1.1	2 978	.9	S	S	701
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	450	1.2	S	S	S	S	1 085
Parcel, U.S. Postal Service or courier	—	—	1	—	—	—	327
Truck and rail	S	S	S	S	S	S	1 501
Truck and water	S	S	S	S	S	S	4 566
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	691	1.9	4 580	1.4	2 299	1.3	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	36 829	100.0	102 242	100.0	41 817	100.0	612
Single modes	34 518	93.7	98 009	95.9	39 079	93.5	71
Truck ¹	26 012	70.6	64 066	62.7	6 277	15.0	68
For-hire truck	10 541	28.6	34 055	33.3	4 236	10.1	77
Private truck	15 325	41.6	29 620	29.0	1 999	4.8	63
Rail	3 596	9.8	14 302	14.0	11 753	28.1	603
Water	4 799	13.0	19 630	19.2	21 037	50.3	1 190
Shallow draft	4 425	12.0	18 066	17.7	20 984	50.2	1 196
Great Lakes	S	S	S	S	54	.1	41
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	110	.3	12	—	11	—	947
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	967	2.6	977	1.0	1 256	3.0	747
Parcel, U.S. Postal Service or courier	694	1.9	73	—	49	.1	747
Truck and rail	S	S	S	S	152	.4	675
Truck and water	170	.5	655	.6	S	S	3 778
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 344	3.7	3 256	3.2	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	30 495	100.0	95 597	100.0	28 959	100.0	78
Single modes	29 505	96.8	93 110	97.4	26 832	92.7	67
Truck ¹	25 928	85.0	77 659	81.2	13 447	46.4	61
For-hire truck	12 928	42.4	28 901	30.2	10 175	35.1	306
Private truck	12 875	42.2	48 137	50.4	3 180	11.0	33
Rail	3 143	10.3	13 311	13.9	11 083	38.3	861
Water	431	1.4	2 128	2.2	2 300	7.9	1 126
Shallow draft	431	1.4	2 128	2.2	2 300	7.9	1 126
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	2	—	S	S	S	S	845
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	557	1.8	1 157	1.2	1 758	6.1	872
Parcel, U.S. Postal Service or courier	33	.1	6	—	4	—	807
Truck and rail	486	1.6	889	.9	1 342	4.6	1 483
Truck and water	S	S	S	S	S	S	8 220
Rail and water	37	.1	259	.3	399	1.4	1 525
Other multiple modes	S	S	S	S	S	S	4 280
Other and unknown modes	433	1.4	1 330	1.4	369	1.3	19
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	63 745	100.0	27 706	100.0	16 156	100.0	190
Single modes	62 785	98.5	27 272	98.4	15 945	98.7	152
Truck ¹	61 913	97.1	26 818	96.8	15 231	94.3	150
For-hire truck	41 433	65.0	17 906	64.6	13 304	82.3	709
Private truck	20 093	31.5	8 772	31.7	1 855	11.5	62
Rail	850	1.3	448	1.6	713	4.4	1 885
Water	S	S	S	S	S	S	9
Shallow draft	S	S	S	S	S	S	9
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 367
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	118	.2	28	.1	54	.3	1 086
Parcel, U.S. Postal Service or courier	78	.1	11	—	S	S	1 084
Truck and rail	S	S	12	—	26	.2	2 131
Truck and water	S	S	S	S	S	S	2 348
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	842	1.3	407	1.5	157	1.0	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	41 078	100.0	48 304	100.0	28 316	100.0	233
Single modes	39 567	96.3	46 839	97.0	27 007	95.4	97
Truck ¹	35 720	87.0	31 753	65.7	13 405	47.3	91
For-hire truck	22 805	55.5	20 932	43.3	11 511	40.7	590
Private truck	12 801	31.2	10 753	22.3	1 867	6.6	50
Rail	3 760	9.2	14 277	29.6	12 684	44.8	944
Water	S	S	S	S	S	S	1 215
Shallow draft	S	S	S	S	S	S	1 215
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	859
Pipeline ²	15	—	55	.1	S	S	S
Multiple modes	930	2.3	698	1.4	854	3.0	975
Parcel, U.S. Postal Service or courier	S	S	33	—	16	—	973
Truck and rail	484	1.2	617	1.3	796	2.8	1 384
Truck and water	S	S	S	S	S	S	1 180
Rail and water	S	S	S	S	S	S	896
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	580	1.4	768	1.6	455	1.6	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	115 419	100.0	135 883	100.0	51 115	100.0	189
Single modes	111 721	96.8	132 332	97.4	48 049	94.0	98
Truck ¹	103 983	90.1	110 235	81.1	27 437	53.7	94
For-hire truck	53 515	46.4	56 325	41.5	20 782	40.7	415
Private truck	48 818	42.3	52 975	39.0	6 199	12.1	55
Rail	7 112	6.2	20 399	15.0	19 668	38.5	1 000
Water	314	.3	1 104	.8	927	1.8	842
Shallow draft	314	.3	1 104	.8	927	1.8	842
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	27	—	5	—	13	—	1 210
Pipeline ²	285	.2	589	.4	S	S	S
Multiple modes	1 382	1.2	1 720	1.3	2 190	4.3	1 002
Parcel, U.S. Postal Service or courier	493	.4	50	—	28	—	998
Truck and rail	887	.8	1 670	1.2	2 161	4.2	1 585
Truck and water	S	S	S	S	S	S	3 251
Rail and water	S	S	S	S	S	S	2 725
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 316	2.0	1 831	1.3	876	1.7	103
SCTG 08, ALCOHOLIC BEVERAGES							
Total	18 069	100.0	18 772	100.0	4 589	100.0	35
Single modes	17 615	97.5	18 221	97.1	4 385	95.6	35
Truck ¹	16 264	90.0	16 175	86.2	2 509	54.7	34
For-hire truck	3 313	18.3	4 502	24.0	1 687	36.8	206
Private truck	12 928	71.6	11 652	62.1	821	17.9	30
Rail	1 314	7.3	1 953	10.4	1 870	40.8	892
Water	S	S	S	S	S	S	61
Shallow draft	S	S	S	S	S	S	61
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	521
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	50	.3	97	2.1	567
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	399
Truck and rail	S	S	49	.3	94	2.1	1 204
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	4 611
Other and unknown modes	375	2.1	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	7 302	100.0	453	100.0	74	100.0	91
Single modes	7 165	98.1	446	98.5	59	80.0	80
Truck ¹	7 165	98.1	446	98.5	59	80.0	80
For-hire truck	1 343	18.4	49	10.8	24	33.2	426
Private truck	5 822	79.7	397	87.7	35	46.9	57
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	92	1.3	S	S	S	S	945
Parcel, U.S. Postal Service or courier	68	.9	2	.4	2	2.2	868
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	4 616
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	43
Other and unknown modes	46	.6	2	.5	S	S	39
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	749	100.0	3 845	100.0	398	100.0	91
Single modes	733	97.9	3 699	96.2	396	99.5	84
Truck ¹	728	97.2	3 675	95.6	357	89.8	S
For-hire truck	283	37.7	S	S	240	60.4	315
Private truck	444	59.2	1 861	48.4	S	S	S
Rail	S	S	S	S	S	S	1 590
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	636
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	636
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 11, NATURAL SANDS							
Total	1 127	100.0	134 572	100.0	8 363	100.0	47
Single modes	1 092	96.8	131 148	97.5	8 052	96.3	47
Truck ¹	990	87.8	127 255	94.6	5 684	68.0	43
For-hire truck	368	32.6	30 216	22.5	2 179	26.1	72
Private truck	593	52.6	95 098	70.7	3 473	41.5	35
Rail	101	8.9	3 689	2.7	2 319	27.7	628
Water	S	S	S	S	S	S	237
Shallow draft	S	S	S	S	S	S	237
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	628
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	240
Truck and rail	S	S	S	S	S	S	2 070
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	4 304
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	33	2.9	3 411	2.5	269	3.2	37

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	3 074	100.0	575 681	100.0	39 100	100.0	32
Single modes	2 948	95.9	555 363	96.5	34 668	88.7	32
Truck ¹	2 746	89.3	509 042	88.4	18 065	46.2	31
For-hire truck	1 023	33.3	180 223	31.3	6 650	17.0	32
Private truck	1 681	54.7	320 573	55.7	11 204	28.7	31
Rail	74	2.4	10 253	1.8	2 680	6.9	258
Water	128	4.2	36 069	6.3	13 924	35.6	328
Shallow draft	58	1.9	15 009	2.6	7 127	18.2	331
Great Lakes	69	2.3	21 059	3.7	6 797	17.4	316
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	68	2.2	9 442	1.6	3 981	10.2	653
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	429
Truck and rail	S	S	877	.2	S	S	712
Truck and water	17	.6	4 774	.8	2 310	5.9	487
Rail and water	—	—	—	—	—	—	—
Other multiple modes	15	.5	3 790	.7	S	S	255
Other and unknown modes	58	1.9	10 875	1.9	451	1.2	30
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	2 842	100.0	70 256	100.0	9 724	100.0	145
Single modes	2 697	94.9	67 664	96.3	8 737	89.8	66
Truck ¹	2 428	85.4	58 457	83.2	3 799	39.1	55
For-hire truck	905	31.8	25 241	35.9	2 324	23.9	92
Private truck	1 511	53.2	32 586	46.4	1 386	14.3	39
Rail	151	5.3	4 760	6.8	3 382	34.8	718
Water	106	3.7	4 362	6.2	1 542	15.9	327
Shallow draft	—	—	—	—	—	—	—
Great Lakes	106	3.7	4 362	6.2	1 542	15.9	327
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 015
Pipeline ²	11	.4	71	.1	S	S	S
Multiple modes	35	1.2	S	S	S	S	906
Parcel, U.S. Postal Service or courier	26	.9	2	—	1	—	908
Truck and rail	4	.1	272	.4	149	1.5	699
Truck and water	S	S	S	S	S	S	446
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	196
Other and unknown modes	S	S	1 054	1.5	304	3.1	170
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	3 080	100.0	65 274	100.0	40 775	100.0	391
Single modes	2 108	68.4	37 248	57.1	16 100	39.5	296
Truck ¹	888	28.8	2 277	3.5	S	S	293
For-hire truck	672	21.8	2 165	3.3	S	S	471
Private truck	215	7.0	111	.2	23	—	61
Rail	1 092	35.4	31 234	47.9	13 362	32.8	219
Water	S	S	S	S	S	S	607
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	747
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	S	S	S	S	S	S	1 465
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	947	30.7	27 987	42.9	24 669	60.5	617
Parcel, U.S. Postal Service or courier	95	3.1	—	—	—	—	613
Truck and rail	S	S	S	S	S	S	2 301
Truck and water	—	—	—	—	—	—	—
Rail and water	851	27.6	27 986	42.9	24 668	60.5	716
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	3 951	100.0	174 844	100.0	26 639	100.0	74
Single modes	2 623	66.4	104 759	59.9	18 276	68.6	73
Truck ¹	990	25.1	35 452	20.3	2 437	9.1	70
For-hire truck	898	22.7	34 386	19.7	2 248	8.4	65
Private truck	S	S	S	S	S	S	148
Rail	1 392	35.2	58 676	33.6	12 261	46.0	185
Water	S	S	S	S	S	S	389
Shallow draft	S	S	S	S	S	S	389
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	379	9.6	18 171	10.4	7 155	26.9	209
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	586
Truck and rail	S	S	S	S	S	S	120
Truck and water	S	S	S	S	S	S	166
Rail and water	188	4.8	8 429	4.8	5 192	19.5	575
Other multiple modes	89	2.3	4 749	2.7	1 209	4.5	262
Other and unknown modes	950	24.0	51 914	29.7	1 208	4.5	S
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	51 668	100.0	199 957	100.0	14 114	100.0	35
Single modes	50 988	98.7	198 607	99.3	14 068	99.7	38
Truck ¹	37 942	73.4	138 130	69.1	6 612	46.9	36
For-hire truck	13 612	26.3	50 076	25.0	2 727	19.3	53
Private truck	24 036	46.5	86 987	43.5	3 847	27.3	31
Rail	S	S	S	S	S	S	1 459
Water	S	S	S	S	S	S	7
Shallow draft	S	S	S	S	S	S	7
Great Lakes	S	S	S	S	S	S	1
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 762
Pipeline ²	12 576	24.3	58 301	29.2	S	S	S
Multiple modes	344	.7	431	.2	S	S	17
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	12
Rail and water	—	—	—	—	—	—	—
Other multiple modes	343	.7	429	.2	S	S	17
Other and unknown modes	336	.7	919	.5	32	.2	S
SCTG 18, FUEL OILS							
Total	19 835	100.0	95 941	100.0	5 777	100.0	24
Single modes	19 087	96.2	93 889	97.9	5 715	98.9	24
Truck ¹	13 177	66.4	59 966	62.5	2 923	50.6	23
For-hire truck	3 725	18.8	18 936	19.7	1 298	22.5	51
Private truck	9 325	47.0	40 590	42.3	1 600	27.7	20
Rail	S	S	S	S	S	S	709
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	543
Pipeline ²	4 960	25.0	26 955	28.1	S	S	S
Multiple modes	269	1.4	342	.4	7	.1	31
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	152
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	267	1.3	341	.4	7	.1	14
Other and unknown modes	479	2.4	1 710	1.8	S	S	20

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	17 803	100.0	112 426	100.0	15 405	100.0	78
Single modes	17 447	98.0	111 467	99.1	15 229	98.9	65
Truck ¹	12 240	68.8	74 345	66.1	5 822	37.8	59
For-hire truck	6 363	35.7	40 745	36.2	4 235	27.5	178
Private truck	5 783	32.5	31 765	28.3	1 499	9.7	29
Rail	3 786	21.3	30 279	26.9	7 966	51.7	347
Water	339	1.9	3 136	2.8	S	S	S
Shallow draft	272	1.5	S	S	S	S	S
Great Lakes	S	S	S	S	S	S	146
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	—	—	—	—	1 271
Pipeline ²	1 081	6.1	3 708	3.3	S	S	S
Multiple modes	203	1.1	139	.1	43	.3	363
Parcel, U.S. Postal Service or courier	130	.7	16	—	5	—	407
Truck and rail	39	.2	21	—	S	S	1 245
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	34	.2	S	S	S	S	15
Other and unknown modes	154	.9	820	.7	S	S	26
SCTG 20, BASIC CHEMICALS							
Total	19 296	100.0	45 614	100.0	19 613	100.0	187
Single modes	17 774	92.1	44 971	98.6	19 118	97.5	155
Truck ¹	14 896	77.2	26 829	58.8	6 581	33.6	92
For-hire truck	10 049	52.1	13 445	29.5	5 464	27.9	473
Private truck	4 680	24.3	13 175	28.9	1 079	5.5	32
Rail	2 099	10.9	15 081	33.1	11 158	56.9	804
Water	S	S	1 939	4.3	S	S	671
Shallow draft	S	S	1 939	4.3	S	S	671
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	369	1.9	S	S	S	S	1 249
Pipeline ²	62	.3	S	S	S	S	S
Multiple modes	1 270	6.6	386	.8	437	2.2	394
Parcel, U.S. Postal Service or courier	811	4.2	70	.2	14	—	389
Truck and rail	457	2.4	315	.7	422	2.2	1 298
Truck and water	S	S	S	S	S	S	2 941
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	252	1.3	258	.6	58	.3	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	51 941	100.0	1 921	100.0	970	100.0	501
Single modes	35 657	68.6	1 663	86.6	862	88.9	286
Truck ¹	32 905	63.3	1 639	85.3	828	85.3	156
For-hire truck	22 300	42.9	999	52.0	649	66.9	297
Private truck	10 259	19.8	634	33.0	177	18.2	73
Rail	S	S	S	S	S	S	1 414
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 677	3.2	12	.6	12	1.3	1 349
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	15 430	29.7	235	12.3	98	10.1	573
Parcel, U.S. Postal Service or courier	15 325	29.5	230	12.0	94	9.7	573
Truck and rail	S	S	S	S	4	.4	586
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	854	1.6	22	1.2	10	1.0	102

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	9 177	100.0	45 231	100.0	6 144	100.0	138
Single modes	8 604	93.8	42 088	93.1	5 754	93.7	45
Truck ¹	7 405	80.7	34 789	76.9	2 518	41.0	38
For-hire truck	2 368	25.8	S	S	1 738	28.3	120
Private truck	5 026	54.8	21 799	48.2	775	12.6	22
Rail	S	S	S	S	S	S	467
Water	S	S	S	S	S	S	454
Shallow draft	S	S	S	S	S	S	454
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	772
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	1 031
Parcel, U.S. Postal Service or courier	S	S	4	—	3	—	1 031
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	370
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	545	5.9	3 033	6.7	S	S	50
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	69 045	100.0	33 349	100.0	16 753	100.0	293
Single modes	61 336	88.8	31 268	93.8	14 224	84.9	193
Truck ¹	59 112	85.6	29 318	87.9	12 517	74.7	187
For-hire truck	41 023	59.4	22 150	66.4	10 520	62.8	421
Private truck	17 855	25.9	6 996	21.0	1 868	11.2	68
Rail	2 052	3.0	1 910	5.7	1 669	10.0	996
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 036
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	6 393	9.3	1 527	4.6	2 275	13.6	498
Parcel, U.S. Postal Service or courier	3 877	5.6	293	.9	117	.7	493
Truck and rail	2 513	3.6	1 233	3.7	2 153	12.9	1 669
Truck and water	4	—	1	—	5	—	4 677
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	336
Other and unknown modes	1 316	1.9	554	1.7	254	1.5	42
SCTG 24, PLASTICS AND RUBBER							
Total	87 701	100.0	30 691	100.0	14 652	100.0	535
Single modes	76 017	86.7	28 801	93.8	13 020	88.9	255
Truck ¹	72 634	82.8	25 902	84.4	10 898	74.4	225
For-hire truck	53 895	61.5	19 789	64.5	9 678	66.1	506
Private truck	18 370	20.9	5 990	19.5	1 160	7.9	72
Rail	2 947	3.4	2 873	9.4	2 085	14.2	323
Water	S	S	S	S	S	S	707
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	707
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	436	.5	26	—	38	.3	1 427
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	9 056	10.3	1 189	3.9	1 304	8.9	745
Parcel, U.S. Postal Service or courier	7 952	9.1	567	1.8	366	2.5	745
Truck and rail	1 104	1.3	622	2.0	936	6.4	1 481
Truck and water	S	S	S	S	S	S	4 024
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 628	3.0	701	2.3	329	2.2	87

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	759	100.0	9 132	100.0	1 412	100.0	320
Single modes	722	95.2	9 002	98.6	1 224	86.7	87
Truck ¹	689	90.8	8 525	93.4	1 116	79.0	84
For-hire truck	319	42.0	3 692	40.4	589	41.7	134
Private truck	285	37.6	4 640	50.8	466	33.0	63
Rail	33	4.4	S	S	108	7.7	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	817
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	812
Truck and rail	S	S	S	S	S	S	1 622
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	11	1.5	36	.4	5	.3	S
SCTG 26, WOOD PRODUCTS							
Total	25 686	100.0	41 693	100.0	10 043	100.0	360
Single modes	24 583	95.7	40 172	96.4	8 825	87.9	148
Truck ¹	24 071	93.7	38 425	92.2	6 852	68.2	144
For-hire truck	11 210	43.6	16 712	40.1	4 698	46.8	401
Private truck	12 667	49.3	21 219	50.9	2 132	21.2	79
Rail	469	1.8	1 745	4.2	1 970	19.6	1 047
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 172
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	560	2.2	191	.5	286	2.8	987
Parcel, U.S. Postal Service or courier	321	1.3	43	.1	S	S	979
Truck and rail	239	.9	148	.4	243	2.4	2 284
Truck and water	S	S	S	S	S	S	804
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	544	2.1	1 331	3.2	S	S	107
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	27 691	100.0	42 920	100.0	17 809	100.0	253
Single modes	26 085	94.2	41 867	97.5	17 044	95.7	168
Truck ¹	22 405	80.9	36 558	85.2	12 664	71.1	152
For-hire truck	16 235	58.6	31 500	73.4	12 113	68.0	377
Private truck	5 930	21.4	4 908	11.4	485	2.7	43
Rail	3 406	12.3	4 737	11.0	4 337	24.4	907
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	59	.2	S	S	S	S	1 059
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	1 257	4.5	427	1.0	482	2.7	368
Parcel, U.S. Postal Service or courier	915	3.3	134	.3	49	.3	364
Truck and rail	334	1.2	286	.7	417	2.3	1 461
Truck and water	S	S	S	S	S	S	4 769
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 785
Other and unknown modes	348	1.3	627	1.5	282	1.6	101

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	28 194	100.0	18 412	100.0	5 755	100.0	342
Single modes	25 558	90.6	17 795	96.6	5 292	91.9	145
Truck ¹	25 323	89.8	17 674	96.0	5 132	89.2	132
For-hire truck	17 558	62.3	11 943	64.9	4 481	77.9	372
Private truck	7 635	27.1	5 614	30.5	590	10.3	47
Rail	93	.3	113	.6	150	2.6	1 683
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	8	—	S	S	1 199
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 936	6.9	311	1.7	366	6.4	706
Parcel, U.S. Postal Service or courier	1 605	5.7	153	.8	93	1.6	705
Truck and rail	331	1.2	158	.9	272	4.7	1 583
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	701	2.5	306	1.7	98	1.7	92
SCTG 29, PRINTED PRODUCTS							
Total	70 356	100.0	21 176	100.0	8 077	100.0	493
Single modes	48 115	68.4	18 931	89.4	6 895	85.4	161
Truck ¹	46 587	66.2	18 830	88.9	6 748	83.5	101
For-hire truck	31 861	45.3	12 158	57.4	6 374	78.9	186
Private truck	14 560	20.7	6 611	31.2	360	4.5	27
Rail	77	.1	22	.1	40	.5	1 611
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 450	2.1	79	.4	107	1.3	1 194
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	18 370	26.1	1 283	6.1	1 000	12.4	667
Parcel, U.S. Postal Service or courier	18 020	25.6	1 149	5.4	812	10.1	667
Truck and rail	348	.5	132	.6	182	2.3	1 779
Truck and water	S	S	S	S	S	S	2 180
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 571
Other and unknown modes	3 871	5.5	962	4.5	182	2.3	157
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	41 570	100.0	3 743	100.0	2 152	100.0	811
Single modes	23 756	57.1	2 936	78.4	1 548	71.9	456
Truck ¹	23 392	56.3	2 921	78.0	1 535	71.3	358
For-hire truck	15 723	37.8	1 539	41.1	987	45.9	621
Private truck	7 136	17.2	1 354	36.2	S	S	168
Rail	S	S	S	S	S	S	1 550
Water	S	S	S	S	S	S	5
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	5
Air (includes truck and air)	335	.8	11	.3	8	.4	1 318
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	15 546	37.4	613	16.4	512	23.8	863
Parcel, U.S. Postal Service or courier	15 181	36.5	588	15.7	450	20.9	863
Truck and rail	362	.9	25	.7	60	2.8	2 298
Truck and water	S	S	S	S	S	S	5 040
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 267	5.5	195	5.2	92	4.3	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	30 384	100.0	276 310	100.0	27 161	100.0	399
Single modes	27 950	92.0	270 990	98.1	22 870	84.2	137
Truck ¹	27 052	89.0	259 054	93.8	17 300	63.7	129
For-hire truck	16 003	52.7	S	S	12 781	47.1	317
Private truck	10 080	33.2	119 134	43.1	3 950	14.5	45
Rail	467	1.5	5 669	2.1	3 311	12.2	628
Water	376	1.2	6 228	2.3	2 221	8.2	377
Shallow draft	157	.5	2 340	.8	867	3.2	384
Great Lakes	S	S	S	S	S	S	353
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	56	.2	39	—	38	.1	1 049
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 743	5.7	632	.2	726	2.7	799
Parcel, U.S. Postal Service or courier	1 476	4.9	142	—	111	.4	796
Truck and rail	240	.8	329	.1	498	1.8	1 779
Truck and water	S	S	S	S	S	S	9 364
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	228
Other and unknown modes	692	2.3	4 688	1.7	S	S	167
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	120 718	100.0	177 521	100.0	48 949	100.0	257
Single modes	115 682	95.8	171 267	96.5	45 503	93.0	181
Truck ¹	105 401	87.3	146 751	82.7	30 683	62.7	175
For-hire truck	74 812	62.0	111 182	62.6	26 029	53.2	326
Private truck	29 675	24.6	34 110	19.2	4 359	8.9	76
Rail	9 891	8.2	24 146	13.6	14 509	29.6	551
Water	S	S	S	S	S	S	1 147
Shallow draft	S	S	S	S	S	S	553
Great Lakes	S	S	S	S	S	S	7
Deep draft	S	S	S	S	S	S	8 390
Air (includes truck and air)	308	.3	192	.1	134	.3	1 106
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	3 050	2.5	S	S	S	S	671
Parcel, U.S. Postal Service or courier	1 528	1.3	87	—	40	—	668
Truck and rail	743	.6	564	.3	498	1.0	1 034
Truck and water	S	S	S	S	S	S	997
Rail and water	S	S	S	S	S	S	787
Other multiple modes	S	S	S	S	S	S	541
Other and unknown modes	1 987	1.6	3 522	2.0	1 339	2.7	111
SCTG 33, ARTICLES OF BASE METAL							
Total	83 492	100.0	38 927	100.0	19 155	100.0	462
Single modes	64 570	77.3	36 196	93.0	17 481	91.3	243
Truck ¹	63 118	75.6	34 646	89.0	15 276	79.8	225
For-hire truck	43 305	51.9	25 433	65.3	13 870	72.4	526
Private truck	19 711	23.6	9 084	23.3	1 376	7.2	66
Rail	1 008	1.2	1 480	3.8	2 148	11.2	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	444	.5	71	.2	57	.3	1 170
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	15 878	19.0	986	2.5	746	3.9	656
Parcel, U.S. Postal Service or courier	15 572	18.7	664	1.7	450	2.4	656
Truck and rail	288	.3	317	.8	283	1.5	1 047
Truck and water	S	S	S	S	S	S	8 292
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 652
Other and unknown modes	3 044	3.6	1 745	4.5	928	4.8	54

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	173 714	100.0	25 461	100.0	12 974	100.0	393
Single modes	142 917	82.3	23 331	91.6	10 967	84.5	286
Truck ¹	135 873	78.2	22 473	88.3	10 102	77.9	222
For-hire truck	103 862	59.8	17 371	68.2	8 959	69.1	655
Private truck	31 162	17.9	4 920	19.3	1 006	7.8	45
Rail	4 059	2.3	774	3.0	781	6.0	S
Water	S	S	S	S	S	S	33
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	33
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	2 983	1.7	84	.3	83	.6	1 184
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	25 230	14.5	1 502	5.9	1 792	13.8	519
Parcel, U.S. Postal Service or courier	21 139	12.2	583	2.3	312	2.4	518
Truck and rail	4 080	2.3	820	3.2	1 319	10.2	1 487
Truck and water	S	S	S	S	S	S	8 109
Rail and water	S	S	S	S	S	S	1 546
Other multiple modes	S	S	S	S	S	S	440
Other and unknown modes	5 567	3.2	628	2.5	215	1.7	77
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	164 082	100.0	11 980	100.0	7 524	100.0	548
Single modes	108 355	66.0	10 517	87.8	6 337	84.2	297
Truck ¹	98 927	60.3	10 282	85.8	5 989	79.6	179
For-hire truck	71 852	43.8	7 105	59.3	5 197	69.1	615
Private truck	24 556	15.0	3 117	26.0	749	10.0	44
Rail	862	.5	131	1.1	215	2.9	1 007
Water	S	S	S	S	S	S	1 479
Shallow draft	S	S	S	S	S	S	1 479
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	8 556	5.2	104	.9	132	1.8	1 304
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	49 436	30.1	1 094	9.1	1 062	14.1	766
Parcel, U.S. Postal Service or courier	48 069	29.3	864	7.2	604	8.0	763
Truck and rail	1 358	.8	229	1.9	449	6.0	2 368
Truck and water	S	S	S	S	S	S	2 853
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	393
Other and unknown modes	6 291	3.8	369	3.1	126	1.7	109
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	317 884	100.0	62 270	100.0	28 473	100.0	299
Single modes	251 851	79.2	55 478	89.1	23 387	82.1	140
Truck ¹	191 784	60.3	43 188	69.4	13 591	47.7	103
For-hire truck	154 485	48.6	35 088	56.3	12 126	42.6	383
Private truck	36 009	11.3	7 733	12.4	1 389	4.9	33
Rail	58 187	18.3	12 081	19.4	9 635	33.8	1 025
Water	S	S	S	S	S	S	1
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	1 880	.6	210	.3	161	.6	1 059
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	36 302	11.4	3 311	5.3	3 681	12.9	643
Parcel, U.S. Postal Service or courier	10 778	3.4	554	.9	357	1.3	635
Truck and rail	25 498	8.0	2 756	4.4	3 314	11.6	1 128
Truck and water	S	S	S	S	S	S	6 340
Rail and water	S	S	S	S	S	S	5 480
Other multiple modes	S	S	S	S	S	S	4 361
Other and unknown modes	29 731	9.4	3 480	5.6	1 405	4.9	69

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	20 794	100.0	1 772	100.0	1 048	100.0	815
Single modes	16 848	81.0	1 743	98.3	1 027	98.0	867
Truck ¹	10 273	49.4	1 036	58.4	595	56.8	618
For-hire truck	7 095	34.1	682	38.5	403	38.4	784
Private truck	3 174	15.3	354	20.0	192	18.3	313
Rail	S	S	462	26.1	259	24.7	1 707
Water	S	S	S	S	S	S	712
Shallow draft	S	S	S	S	S	S	712
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	4 502	21.7	12	.7	15	1.4	1 364
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3 672	17.7	16	.9	13	1.3	773
Parcel, U.S. Postal Service or courier	3 658	17.6	13	.7	9	.9	773
Truck and rail	S	S	S	S	S	S	1 268
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	274	1.3	13	.8	7	.7	302
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	35 611	100.0	714	100.0	490	100.0	680
Single modes	16 084	45.2	506	70.9	347	70.7	767
Truck ¹	12 265	34.4	485	67.9	322	65.6	213
For-hire truck	8 152	22.9	360	50.4	305	62.2	591
Private truck	3 836	10.8	118	16.6	14	2.8	36
Rail	S	S	S	S	S	S	120
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	3 815	10.7	21	3.0	25	5.1	1 252
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	17 992	50.5	178	24.9	126	25.7	675
Parcel, U.S. Postal Service or courier	17 957	50.4	175	24.5	121	24.7	675
Truck and rail	S	S	S	S	S	S	758
Truck and water	S	S	S	S	S	S	1 232
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 534	4.3	31	4.3	S	S	175
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	28 043	100.0	6 593	100.0	4 096	100.0	794
Single modes	25 865	92.2	6 168	93.6	3 629	88.6	463
Truck ¹	25 458	90.8	6 044	91.7	3 476	84.9	428
For-hire truck	16 203	57.8	4 006	60.8	3 026	73.9	761
Private truck	9 216	32.9	2 034	30.9	449	11.0	126
Rail	228	.8	S	S	98	2.4	931
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	179	.6	S	S	S	S	1 333
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 504	5.4	245	3.7	372	9.1	1 085
Parcel, U.S. Postal Service or courier	1 264	4.5	157	2.4	149	3.6	1 081
Truck and rail	231	.8	83	1.3	S	S	1 836
Truck and water	S	S	S	S	S	S	9 137
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	674	2.4	180	2.7	95	2.3	299

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	113 234	100.0	23 111	100.0	11 607	100.0	763
Single modes	81 858	72.3	21 226	91.8	10 267	88.5	419
Truck ¹	78 498	69.3	20 807	90.0	9 778	84.2	353
For-hire truck	54 472	48.1	13 091	56.6	7 440	64.1	705
Private truck	23 872	21.1	7 593	32.9	2 313	19.9	80
Rail	1 492	1.3	375	1.6	439	3.8	1 032
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	383
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	10 468
Air (includes truck and air)	1 868	1.7	44	.2	50	.4	1 308
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	27 339	24.1	1 147	5.0	990	8.5	878
Parcel, U.S. Postal Service or courier	26 664	23.5	1 023	4.4	789	6.8	878
Truck and rail	665	.6	121	.5	180	1.5	1 602
Truck and water	S	S	S	S	S	S	6 470
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 052
Other and unknown modes	4 037	3.6	738	3.2	350	3.0	239
SCTG 41, WASTE AND SCRAP							
Total	12 395	100.0	69 134	100.0	12 405	100.0	165
Single modes	12 202	98.4	68 564	99.2	12 090	97.5	124
Truck ¹	9 659	77.9	49 445	71.5	6 340	51.1	110
For-hire truck	5 582	45.0	21 406	31.0	3 910	31.5	200
Private truck	4 027	32.5	27 602	39.9	2 394	19.3	62
Rail	2 501	20.2	18 797	27.2	5 478	44.2	294
Water	S	S	S	S	S	S	802
Shallow draft	S	S	S	S	S	S	802
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	956
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	157	1.3	420	.6	283	2.3	961
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	957
Truck and rail	146	1.2	418	.6	281	2.3	1 013
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	74
SCTG 43, MIXED FREIGHT							
Total	46 600	100.0	26 553	100.0	6 163	100.0	369
Single modes	42 205	90.6	25 081	94.5	5 803	94.2	119
Truck ¹	41 975	90.1	25 020	94.2	5 768	93.6	116
For-hire truck	6 343	13.6	S	S	S	S	361
Private truck	35 629	76.5	18 678	70.3	2 126	34.5	98
Rail	S	S	S	S	S	S	584
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 441
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 419	3.0	214	.8	S	S	792
Parcel, U.S. Postal Service or courier	1 289	2.8	129	.5	68	1.1	791
Truck and rail	S	S	S	S	S	S	1 529
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 976	6.4	1 258	4.7	147	2.4	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	11 431	100.0	14 869	100.0	2 894	100.0	476
Single modes	9 346	81.8	14 605	98.2	2 740	94.7	217
Truck ¹	7 617	66.6	7 573	50.9	1 050	36.3	197
For-hire truck	4 440	38.8	2 125	14.3	693	24.0	579
Private truck	3 177	27.8	5 446	36.6	357	12.3	43
Rail	S	S	S	S	S	S	493
Water	S	S	S	S	S	S	1 478
Shallow draft	S	S	S	S	S	S	1 478
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	213	1.9	5	—	8	.3	1 164
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	1 442	12.6	78	.5	49	1.7	792
Parcel, U.S. Postal Service or courier	1 418	12.4	42	.3	27	.9	792
Truck and rail	24	.2	S	S	20	.7	534
Truck and water	S	S	S	S	S	S	3 779
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	5 308
Other and unknown modes	644	5.6	186	1.3	S	S	219

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	2 046 684	3 213 213	790 549
Less than 50 miles	560 044	1 794 357	39 551
50 to 99 miles	177 274	309 240	28 808
100 to 249 miles	346 887	407 720	88 214
250 to 499 miles	342 702	297 605	147 657
500 to 749 miles	241 378	179 731	155 257
750 to 999 miles	144 642	107 039	123 325
1,000 to 1,499 miles	140 361	91 882	150 549
1,500 to 1,999 miles	83 231	23 087	50 185
2,000 miles or more	10 165	2 551	7 003
SCTG 01, Live animals and live fish	3 402	3 068	608
Less than 50 miles	349	296	11
50 to 99 miles	S	S	S
100 to 249 miles	1 369	1 286	276
250 to 499 miles	431	377	163
500 to 749 miles	56	35	25
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	20	30
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	36 417	319 295	172 302
Less than 50 miles	11 336	109 340	2 928
50 to 99 miles	2 927	27 158	2 563
100 to 249 miles	4 593	36 973	8 781
250 to 499 miles	5 343	46 087	23 984
500 to 749 miles	4 308	36 350	36 520
750 to 999 miles	3 515	29 003	36 186
1,000 to 1,499 miles	4 115	34 144	60 595
1,500 to 1,999 miles	269	170	375
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	36 829	102 242	41 817
Less than 50 miles	15 109	42 674	1 340
50 to 99 miles	7 196	17 225	1 582
100 to 249 miles	4 741	10 316	1 954
250 to 499 miles	1 935	4 882	3 106
500 to 749 miles	3 492	12 371	12 660
750 to 999 miles	2 378	8 688	11 139
1,000 to 1,499 miles	1 600	5 875	9 576
1,500 to 1,999 miles	S	196	427
2,000 miles or more	7	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	30 495	95 597	28 959
Less than 50 miles	10 502	45 677	958
50 to 99 miles	3 590	9 539	887
100 to 249 miles	4 630	11 982	2 494
250 to 499 miles	4 997	12 381	6 442
500 to 749 miles	3 217	9 063	7 689
750 to 999 miles	1 373	2 657	2 912
1,000 to 1,499 miles	1 648	3 675	6 165
1,500 to 1,999 miles	531	610	1 373
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	63 745	27 706	16 156
Less than 50 miles	11 391	4 985	110
50 to 99 miles	5 580	2 789	256
100 to 249 miles	9 724	4 626	969
250 to 499 miles	9 911	4 762	2 175
500 to 749 miles	7 349	3 306	2 522
750 to 999 miles	6 033	2 457	2 538
1,000 to 1,499 miles	11 171	3 982	5 913
1,500 to 1,999 miles	2 465	754	1 554
2,000 miles or more	121	46	119
SCTG 06, Milled grain products and preparations, and bakery products	41 078	48 304	28 316
Less than 50 miles	8 261	8 576	220
50 to 99 miles	3 295	3 103	291
100 to 249 miles	7 653	9 719	2 239
250 to 499 miles	7 226	7 919	3 848
500 to 749 miles	6 700	9 085	7 690
750 to 999 miles	3 631	4 620	4 965
1,000 to 1,499 miles	2 402	3 860	6 002
1,500 to 1,999 miles	1 802	1 376	2 930
2,000 miles or more	109	46	131
SCTG 07, Other prepared foodstuffs and fats and oils	115 419	135 883	51 115
Less than 50 miles	35 474	43 258	1 044
50 to 99 miles	13 244	18 294	1 698
100 to 249 miles	21 678	27 065	5 494
250 to 499 miles	16 398	19 098	9 420
500 to 749 miles	12 251	12 173	9 788
750 to 999 miles	7 229	7 439	8 132
1,000 to 1,499 miles	5 152	5 392	8 643
1,500 to 1,999 miles	3 892	3 106	6 746
2,000 miles or more	102	59	150

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	18 069	18 772	4 589
Less than 50 miles	10 843	9 419	173
50 to 99 miles	1 297	1 467	127
100 to 249 miles	2 459	3 439	746
250 to 499 miles	1 874	2 548	1 076
500 to 749 miles	530	656	524
750 to 999 miles	477	416	450
1,000 to 1,499 miles	378	598	1 001
1,500 to 1,999 miles	177	218	460
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	7 302	453	74
Less than 50 miles	3 860	217	6
50 to 99 miles	1 288	113	10
100 to 249 miles	1 196	89	17
250 to 499 miles	520	18	8
500 to 749 miles	102	4	3
750 to 999 miles	S	1	S
1,000 to 1,499 miles	95	3	4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	749	3 845	398
Less than 50 miles	237	2 836	43
50 to 99 miles	S	S	S
100 to 249 miles	S	415	80
250 to 499 miles	47	114	46
500 to 749 miles	64	91	68
750 to 999 miles	39	46	47
1,000 to 1,499 miles	74	50	77
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	1 127	134 572	8 363
Less than 50 miles	760	115 882	2 736
50 to 99 miles	94	7 205	670
100 to 249 miles	134	7 687	1 743
250 to 499 miles	46	1 252	522
500 to 749 miles	42	904	783
750 to 999 miles	16	S	S
1,000 to 1,499 miles	S	463	680
1,500 to 1,999 miles	5	35	75
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	3 074	575 681	39 100
Less than 50 miles	2 535	482 521	9 921
50 to 99 miles	149	29 490	2 678
100 to 249 miles	201	32 882	7 277
250 to 499 miles	125	21 392	10 113
500 to 749 miles	33	6 038	5 459
750 to 999 miles	32	3 294	3 534
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	2 842	70 256	9 724
Less than 50 miles	1 042	47 340	1 006
50 to 99 miles	S	5 420	487
100 to 249 miles	453	7 836	1 694
250 to 499 miles	281	6 310	3 070
500 to 749 miles	137	1 915	1 462
750 to 999 miles	52	668	771
1,000 to 1,499 miles	55	718	1 133
1,500 to 1,999 miles	19	36	72
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	3 080	65 274	40 775
Less than 50 miles	642	13 464	671
50 to 99 miles	560	8 939	918
100 to 249 miles	137	S	S
250 to 499 miles	684	17 799	14 485
500 to 749 miles	636	16 308	14 024
750 to 999 miles	153	S	S
1,000 to 1,499 miles	198	S	S
1,500 to 1,999 miles	43	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	3 951	174 844	26 639
Less than 50 miles	2 314	107 629	3 072
50 to 99 miles	447	19 142	2 095
100 to 249 miles	726	28 712	6 799
250 to 499 miles	216	8 980	4 263
500 to 749 miles	156	6 381	5 729
750 to 999 miles	92	4 000	4 679
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	51 668	199 957	14 114
Less than 50 miles	38 500	145 126	2 961
50 to 99 miles	5 272	19 365	1 670
100 to 249 miles	5 954	26 895	4 751
250 to 499 miles	S	S	2 952
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	19 835	95 941	5 777
Less than 50 miles	15 675	73 470	1 254
50 to 99 miles	2 064	10 205	889
100 to 249 miles	1 627	8 909	1 456
250 to 499 miles	309	1 790	757
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	17 803	112 426	15 405
Less than 50 miles	8 756	69 505	1 160
50 to 99 miles	1 863	9 804	794
100 to 249 miles	3 363	21 070	4 993
250 to 499 miles	2 245	8 046	3 798
500 to 749 miles	810	2 380	2 148
750 to 999 miles	300	491	539
1,000 to 1,499 miles	337	649	910
1,500 to 1,999 miles	124	S	S
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	19 296	45 614	19 613
Less than 50 miles	5 835	16 461	287
50 to 99 miles	1 403	3 591	348
100 to 249 miles	3 014	8 199	1 776
250 to 499 miles	4 002	6 809	3 270
500 to 749 miles	2 022	2 577	2 279
750 to 999 miles	1 291	3 682	4 489
1,000 to 1,499 miles	865	3 951	6 373
1,500 to 1,999 miles	709	263	577
2,000 miles or more	155	80	214
SCTG 21, Pharmaceutical products	51 941	1 921	970
Less than 50 miles	9 201	434	10
50 to 99 miles	4 868	190	18
100 to 249 miles	10 765	285	58
250 to 499 miles	10 974	292	128
500 to 749 miles	6 157	301	229
750 to 999 miles	4 500	S	S
1,000 to 1,499 miles	2 925	94	133
1,500 to 1,999 miles	2 393	65	137
2,000 miles or more	158	2	5
SCTG 22, Fertilizers	9 177	45 231	6 144
Less than 50 miles	5 828	27 838	552
50 to 99 miles	996	5 273	481
100 to 249 miles	1 174	6 398	S
250 to 499 miles	S	S	S
500 to 749 miles	206	967	755
750 to 999 miles	54	227	245
1,000 to 1,499 miles	51	218	375
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	69 045	33 349	16 753
Less than 50 miles	16 391	8 983	188
50 to 99 miles	4 190	2 097	198
100 to 249 miles	12 107	5 958	1 321
250 to 499 miles	12 970	6 148	2 806
500 to 749 miles	9 848	4 529	3 413
750 to 999 miles	5 405	2 394	2 560
1,000 to 1,499 miles	3 263	1 333	1 910
1,500 to 1,999 miles	4 375	1 647	3 650
2,000 miles or more	496	260	706
SCTG 24, Plastics and rubber	87 701	30 691	14 652
Less than 50 miles	20 485	6 916	175
50 to 99 miles	6 763	2 438	224
100 to 249 miles	15 450	5 410	1 168
250 to 499 miles	18 340	7 161	3 236
500 to 749 miles	11 916	4 504	3 493
750 to 999 miles	5 954	1 881	1 966
1,000 to 1,499 miles	4 600	1 200	1 759
1,500 to 1,999 miles	3 364	974	2 088
2,000 miles or more	828	207	544

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	759	9 132	1 412
Less than 50 miles	298	3 882	S
50 to 99 miles	161	3 703	S
100 to 249 miles	93	405	80
250 to 499 miles	131	S	S
500 to 749 miles	29	57	43
750 to 999 miles	4	S	S
1,000 to 1,499 miles	5	S	S
1,500 to 1,999 miles	34	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	25 686	41 693	10 043
Less than 50 miles	8 935	18 255	503
50 to 99 miles	3 407	8 079	730
100 to 249 miles	4 548	7 708	1 542
250 to 499 miles	3 345	3 406	1 550
500 to 749 miles	1 994	1 540	1 185
750 to 999 miles	1 457	746	812
1,000 to 1,499 miles	1 205	1 232	2 036
1,500 to 1,999 miles	764	708	1 634
2,000 miles or more	32	20	51
SCTG 27, Pulp, newsprint, paper, and paperboard	27 691	42 920	17 809
Less than 50 miles	6 735	6 874	138
50 to 99 miles	2 395	S	S
100 to 249 miles	4 092	6 032	1 373
250 to 499 miles	5 945	6 359	3 050
500 to 749 miles	3 930	4 405	3 475
750 to 999 miles	2 195	3 141	3 379
1,000 to 1,499 miles	1 154	1 429	2 216
1,500 to 1,999 miles	1 158	1 347	2 915
2,000 miles or more	88	69	186
SCTG 28, Paper or paperboard articles	28 194	18 412	5 755
Less than 50 miles	9 577	7 284	186
50 to 99 miles	2 898	2 494	226
100 to 249 miles	4 227	3 205	653
250 to 499 miles	4 461	2 303	1 008
500 to 749 miles	2 983	1 276	976
750 to 999 miles	1 845	881	920
1,000 to 1,499 miles	1 004	471	703
1,500 to 1,999 miles	1 122	480	1 039
2,000 miles or more	78	18	45
SCTG 29, Printed products	70 356	21 176	8 077
Less than 50 miles	21 614	9 351	174
50 to 99 miles	3 907	1 416	128
100 to 249 miles	8 602	2 468	500
250 to 499 miles	10 919	2 610	1 187
500 to 749 miles	9 374	2 268	1 681
750 to 999 miles	6 143	1 106	1 138
1,000 to 1,499 miles	5 856	1 316	1 888
1,500 to 1,999 miles	3 573	599	1 255
2,000 miles or more	368	41	126
SCTG 30, Textiles, leather, and articles of textiles or leather	41 570	3 743	2 152
Less than 50 miles	6 185	716	18
50 to 99 miles	2 370	277	26
100 to 249 miles	7 533	819	172
250 to 499 miles	8 903	650	294
500 to 749 miles	6 510	419	314
750 to 999 miles	4 004	280	293
1,000 to 1,499 miles	3 651	322	459
1,500 to 1,999 miles	1 980	S	S
2,000 miles or more	432	25	69
SCTG 31, Nonmetallic mineral products	30 384	276 310	27 161
Less than 50 miles	10 635	211 877	3 993
50 to 99 miles	3 040	19 596	1 917
100 to 249 miles	5 382	22 146	4 549
250 to 499 miles	5 437	14 476	6 529
500 to 749 miles	2 383	3 148	2 414
750 to 999 miles	1 130	1 975	2 144
1,000 to 1,499 miles	994	S	S
1,500 to 1,999 miles	1 100	1 160	2 509
2,000 miles or more	282	179	484
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	120 718	177 521	48 949
Less than 50 miles	33 269	61 577	1 269
50 to 99 miles	13 759	23 427	2 176
100 to 249 miles	29 602	42 694	9 542
250 to 499 miles	24 159	28 659	12 476
500 to 749 miles	10 034	10 568	7 987
750 to 999 miles	4 718	5 833	6 658
1,000 to 1,499 miles	2 400	2 793	4 243
1,500 to 1,999 miles	2 339	1 555	3 531
2,000 miles or more	439	413	1 066

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	83 492	38 927	19 155
Less than 50 miles	20 352	9 275	250
50 to 99 miles	7 141	3 266	301
100 to 249 miles	14 658	7 150	1 501
250 to 499 miles	15 959	6 620	2 996
500 to 749 miles	11 099	5 082	3 779
750 to 999 miles	5 364	S	S
1,000 to 1,499 miles	4 839	2 934	4 372
1,500 to 1,999 miles	3 331	704	1 485
2,000 miles or more	750	190	496
SCTG 34, Machinery	173 714	25 461	12 974
Less than 50 miles	40 286	6 243	153
50 to 99 miles	13 514	2 188	220
100 to 249 miles	29 394	4 831	1 010
250 to 499 miles	30 775	4 355	1 964
500 to 749 miles	22 448	2 994	2 267
750 to 999 miles	13 651	1 763	1 872
1,000 to 1,499 miles	14 330	1 824	2 618
1,500 to 1,999 miles	8 401	1 063	2 353
2,000 miles or more	916	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	164 082	11 980	7 524
Less than 50 miles	37 608	2 632	57
50 to 99 miles	8 297	789	75
100 to 249 miles	20 361	1 661	354
250 to 499 miles	28 885	2 355	1 072
500 to 749 miles	21 956	1 462	1 085
750 to 999 miles	15 803	773	807
1,000 to 1,499 miles	18 952	1 349	2 026
1,500 to 1,999 miles	10 939	902	1 898
2,000 miles or more	1 281	56	151
SCTG 36, Motorized and other vehicles (including parts)	317 884	62 270	28 473
Less than 50 miles	65 282	16 505	370
50 to 99 miles	22 806	5 029	481
100 to 249 miles	59 271	13 532	3 125
250 to 499 miles	62 137	11 338	5 547
500 to 749 miles	43 365	7 011	5 433
750 to 999 miles	23 484	3 659	3 996
1,000 to 1,499 miles	25 162	3 270	5 058
1,500 to 1,999 miles	14 609	1 646	3 713
2,000 miles or more	1 770	278	749
SCTG 37, Transportation equipment, n.e.c.	20 794	1 772	1 048
Less than 50 miles	1 656	300	16
50 to 99 miles	655	50	5
100 to 249 miles	2 360	375	91
250 to 499 miles	3 430	409	188
500 to 749 miles	3 977	341	295
750 to 999 miles	2 593	109	113
1,000 to 1,499 miles	4 673	157	S
1,500 to 1,999 miles	1 324	27	56
2,000 miles or more	126	S	S
SCTG 38, Precision instruments and apparatus	35 611	714	490
Less than 50 miles	7 260	140	3
50 to 99 miles	1 943	62	5
100 to 249 miles	3 821	81	16
250 to 499 miles	5 348	93	44
500 to 749 miles	5 366	105	83
750 to 999 miles	4 175	63	67
1,000 to 1,499 miles	4 501	134	192
1,500 to 1,999 miles	2 717	33	68
2,000 miles or more	480	4	10
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	28 043	6 593	4 096
Less than 50 miles	7 734	1 754	42
50 to 99 miles	986	244	24
100 to 249 miles	3 614	930	214
250 to 499 miles	3 943	993	451
500 to 749 miles	4 757	1 025	764
750 to 999 miles	2 590	596	628
1,000 to 1,499 miles	2 528	545	776
1,500 to 1,999 miles	1 736	476	1 063
2,000 miles or more	154	31	134
SCTG 40, Miscellaneous manufactured products	113 234	23 111	11 607
Less than 50 miles	21 119	5 654	137
50 to 99 miles	8 804	2 305	230
100 to 249 miles	18 675	4 203	886
250 to 499 miles	19 971	3 918	1 699
500 to 749 miles	17 855	2 725	2 078
750 to 999 miles	10 731	1 670	1 724
1,000 to 1,499 miles	8 760	1 181	1 748
1,500 to 1,999 miles	6 519	1 361	2 851
2,000 miles or more	799	95	254

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	12 395	69 134	12 405
Less than 50 miles	4 498	32 617	883
50 to 99 miles	1 800	12 444	1 228
100 to 249 miles	3 167	12 248	2 762
250 to 499 miles	2 034	7 849	3 643
500 to 749 miles	592	2 816	2 257
750 to 999 miles	164	621	669
1,000 to 1,499 miles	95	372	591
1,500 to 1,999 miles	42	166	369
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	46 600	26 553	6 163
Less than 50 miles	18 180	9 873	277
50 to 99 miles	9 180	5 065	461
100 to 249 miles	12 635	6 496	1 208
250 to 499 miles	3 268	S	S
500 to 749 miles	1 255	S	S
750 to 999 miles	1 133	S	S
1,000 to 1,499 miles	579	S	S
1,500 to 1,999 miles	355	S	S
2,000 miles or more	S	S	S
Commodity unknown	11 431	14 869	2 894
Less than 50 miles	3 496	6 696	116
50 to 99 miles	1 151	1 354	122
100 to 249 miles	1 474	S	S
250 to 499 miles	2 318	S	S
500 to 749 miles	1 310	379	302
750 to 999 miles	685	166	182
1,000 to 1,499 miles	502	S	S
1,500 to 1,999 miles	432	34	72
2,000 miles or more	63	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	2 046 684	3 213 213	790 549
Less than 50 lb	197 920	6 477	3 152
50 to 99 lb	58 889	3 879	1 217
100 to 499 lb	178 441	22 388	5 298
500 to 749 lb	59 480	11 097	2 707
750 to 999 lb	39 596	9 133	1 892
1,000 to 9,999 lb	456 366	196 466	42 059
10,000 to 49,999 lb	787 094	1 263 612	238 202
50,000 to 99,999 lb	136 800	634 553	57 144
100,000 lb or more	132 098	1 065 606	438 877
SCTG 01, Live animals and live fish	3 402	3 068	608
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	2	—
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	2 155	2 084	431
50,000 to 99,999 lb	545	526	93
100,000 lb or more	224	200	S
SCTG 02, Cereal grains	36 417	319 295	172 302
Less than 50 lb	—	—	—
50 to 99 lb	S	6	—
100 to 499 lb	17	67	2
500 to 749 lb	16	46	4
750 to 999 lb	10	43	4
1,000 to 9,999 lb	493	1 629	202
10,000 to 49,999 lb	4 817	20 680	3 372
50,000 to 99,999 lb	11 550	111 495	9 525
100,000 lb or more	19 510	185 329	159 193
SCTG 03, Other agricultural products	36 829	102 242	41 817
Less than 50 lb	1 129	119	48
50 to 99 lb	237	62	3
100 to 499 lb	1 057	467	29
500 to 749 lb	409	308	20
750 to 999 lb	365	235	19
1,000 to 9,999 lb	3 910	5 042	561
10,000 to 49,999 lb	10 164	17 298	3 231
50,000 to 99,999 lb	9 142	36 640	2 421
100,000 lb or more	10 418	42 071	35 486
SCTG 04, Animal feed and products of animal origin, n.e.c.	30 495	95 597	28 959
Less than 50 lb	36	20	2
50 to 99 lb	72	65	2
100 to 499 lb	446	663	22
500 to 749 lb	312	510	19
750 to 999 lb	158	250	11
1,000 to 9,999 lb	4 320	11 954	634
10,000 to 49,999 lb	17 646	45 882	11 085
50,000 to 99,999 lb	3 566	18 668	3 266
100,000 lb or more	3 938	17 584	13 919
SCTG 05, Meat, fish, seafood, and their preparations	63 745	27 706	16 156
Less than 50 lb	309	42	6
50 to 99 lb	413	72	4
100 to 499 lb	2 019	593	39
500 to 749 lb	874	333	32
750 to 999 lb	717	264	33
1,000 to 9,999 lb	11 980	4 544	1 624
10,000 to 49,999 lb	45 413	20 587	13 502
50,000 to 99,999 lb	709	429	388
100,000 lb or more	1 312	843	528
SCTG 06, Milled grain products and preparations, and bakery products	41 078	48 304	28 316
Less than 50 lb	716	140	16
50 to 99 lb	295	117	4
100 to 499 lb	1 489	624	41
500 to 749 lb	718	341	31
750 to 999 lb	507	251	34
1,000 to 9,999 lb	6 335	3 429	969
10,000 to 49,999 lb	26 510	23 467	12 648
50,000 to 99,999 lb	1 083	4 284	873
100,000 lb or more	3 425	15 650	13 700
SCTG 07, Other prepared foodstuffs and fats and oils	115 419	135 883	51 115
Less than 50 lb	793	121	21
50 to 99 lb	692	221	15
100 to 499 lb	4 041	2 297	160
500 to 749 lb	1 807	1 263	105
750 to 999 lb	1 578	1 123	103
1,000 to 9,999 lb	21 322	16 898	2 458
10,000 to 49,999 lb	71 457	73 866	23 941
50,000 to 99,999 lb	4 787	14 466	2 057
100,000 lb or more	8 943	25 628	22 255

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	18 069	18 772	4 589
Less than 50 lb	155	36	1
50 to 99 lb	293	90	3
100 to 499 lb	2 186	1 217	34
500 to 749 lb	968	684	17
750 to 999 lb	780	593	15
1,000 to 9,999 lb	5 673	4 974	149
10,000 to 49,999 lb	5 154	6 315	1 940
50,000 to 99,999 lb	1 259	2 640	517
100,000 lb or more	1 600	2 224	1 912
SCTG 09, Tobacco products	7 302	453	74
Less than 50 lb	934	24	2
50 to 99 lb	771	22	2
100 to 499 lb	2 929	113	16
500 to 749 lb	603	36	7
750 to 999 lb	416	35	5
1,000 to 9,999 lb	1 582	155	37
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	749	3 845	398
Less than 50 lb	2	—	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	11	7	1
750 to 999 lb	18	12	S
1,000 to 9,999 lb	114	143	24
10,000 to 49,999 lb	482	2 523	289
50,000 to 99,999 lb	29	453	23
100,000 lb or more	S	672	57
SCTG 11, Natural sands	1 127	134 572	8 363
Less than 50 lb	S	S	S
50 to 99 lb	—	1	—
100 to 499 lb	S	7	—
500 to 749 lb	S	12	—
750 to 999 lb	S	3	—
1,000 to 9,999 lb	111	774	27
10,000 to 49,999 lb	506	65 413	2 974
50,000 to 99,999 lb	268	41 746	1 999
100,000 lb or more	212	26 617	3 361
SCTG 12, Gravel and crushed stone	3 074	575 681	39 100
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	1	7	S
500 to 749 lb	S	6	S
750 to 999 lb	S	12	—
1,000 to 9,999 lb	83	2 927	47
10,000 to 49,999 lb	1 740	334 564	10 810
50,000 to 99,999 lb	562	101 653	3 508
100,000 lb or more	686	136 511	24 734
SCTG 13, Nonmetallic minerals n.e.c.	2 842	70 256	9 724
Less than 50 lb	23	2	S
50 to 99 lb	3	4	—
100 to 499 lb	45	49	2
500 to 749 lb	13	S	S
750 to 999 lb	9	10	1
1,000 to 9,999 lb	287	1 296	104
10,000 to 49,999 lb	1 767	38 829	2 627
50,000 to 99,999 lb	291	11 038	911
100,000 lb or more	405	18 964	6 074
SCTG 14, Metallic ores and concentrates	3 080	65 274	40 775
Less than 50 lb	7	—	S
50 to 99 lb	3	—	—
100 to 499 lb	117	2	1
500 to 749 lb	26	3	1
750 to 999 lb	5	1	—
1,000 to 9,999 lb	200	60	16
10,000 to 49,999 lb	506	814	262
50,000 to 99,999 lb	43	S	S
100,000 lb or more	2 173	64 160	40 356
SCTG 15, Coal	3 951	174 844	26 639
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	17	1
10,000 to 49,999 lb	304	10 141	580
50,000 to 99,999 lb	681	20 730	1 599
100,000 lb or more	2 930	143 950	24 458

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	51 668	199 957	14 114
Less than 50 lb	8	13	S
50 to 99 lb	16	37	S
100 to 499 lb	S	153	2
500 to 749 lb	53	112	2
750 to 999 lb	58	148	2
1,000 to 9,999 lb	2 719	5 961	183
10,000 to 49,999 lb	8 847	33 998	1 887
50,000 to 99,999 lb	25 532	93 491	4 596
100,000 lb or more	14 278	66 044	7 439
SCTG 18, Fuel oils	19 835	95 941	5 777
Less than 50 lb	2	S	S
50 to 99 lb	5	13	S
100 to 499 lb	114	285	5
500 to 749 lb	95	304	4
750 to 999 lb	146	526	6
1,000 to 9,999 lb	3 148	10 727	195
10,000 to 49,999 lb	3 418	14 389	711
50,000 to 99,999 lb	6 827	32 785	2 044
100,000 lb or more	6 079	36 907	S
SCTG 19, Coal and petroleum products, n.e.c.	17 803	112 426	15 405
Less than 50 lb	125	30	3
50 to 99 lb	61	27	2
100 to 499 lb	660	399	24
500 to 749 lb	255	295	19
750 to 999 lb	292	455	21
1,000 to 9,999 lb	3 730	5 808	448
10,000 to 49,999 lb	5 795	41 075	3 500
50,000 to 99,999 lb	1 777	16 524	1 426
100,000 lb or more	5 108	47 813	9 960
SCTG 20, Basic chemicals	19 296	45 614	19 613
Less than 50 lb	1 149	41	10
50 to 99 lb	248	71	7
100 to 499 lb	1 310	940	58
500 to 749 lb	436	316	40
750 to 999 lb	429	218	15
1,000 to 9,999 lb	3 941	3 242	357
10,000 to 49,999 lb	8 533	17 689	4 121
50,000 to 99,999 lb	761	4 113	2 044
100,000 lb or more	2 489	18 983	12 961
SCTG 21, Pharmaceutical products	51 941	1 921	970
Less than 50 lb	14 074	151	59
50 to 99 lb	4 778	79	24
100 to 499 lb	10 715	242	80
500 to 749 lb	3 529	68	32
750 to 999 lb	2 040	49	21
1,000 to 9,999 lb	10 670	518	247
10,000 to 49,999 lb	5 915	746	493
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	9 177	45 231	6 144
Less than 50 lb	15	4	S
50 to 99 lb	6	4	1
100 to 499 lb	36	48	2
500 to 749 lb	22	29	2
750 to 999 lb	27	51	1
1,000 to 9,999 lb	1 854	6 302	105
10,000 to 49,999 lb	3 999	19 539	S
50,000 to 99,999 lb	1 453	8 759	752
100,000 lb or more	1 765	10 494	3 379
SCTG 23, Chemical products and preparations, n.e.c.	69 045	33 349	16 753
Less than 50 lb	3 209	168	46
50 to 99 lb	1 634	147	36
100 to 499 lb	4 889	723	192
500 to 749 lb	2 232	315	84
750 to 999 lb	1 490	284	78
1,000 to 9,999 lb	13 339	4 345	1 550
10,000 to 49,999 lb	40 544	24 587	12 984
50,000 to 99,999 lb	499	687	298
100,000 lb or more	1 208	2 094	1 483
SCTG 24, Plastics and rubber	87 701	30 691	14 652
Less than 50 lb	6 415	326	168
50 to 99 lb	2 709	264	92
100 to 499 lb	10 187	1 399	463
500 to 749 lb	3 695	590	228
750 to 999 lb	2 784	519	205
1,000 to 9,999 lb	29 555	9 303	3 589
10,000 to 49,999 lb	29 907	15 329	8 054
50,000 to 99,999 lb	332	274	136
100,000 lb or more	2 117	2 686	1 718

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	759	9 132	1 412
Less than 50 lb	S	S	S
50 to 99 lb	—	S	S
100 to 499 lb	8	S	S
500 to 749 lb	3	2	—
750 to 999 lb	S	S	S
1,000 to 9,999 lb	70	121	6
10,000 to 49,999 lb	312	2 504	312
50,000 to 99,999 lb	178	4 689	448
100,000 lb or more	118	1 803	645
SCTG 26, Wood products	25 686	41 693	10 043
Less than 50 lb	360	33	14
50 to 99 lb	271	56	S
100 to 499 lb	1 564	325	54
500 to 749 lb	665	184	35
750 to 999 lb	515	186	31
1,000 to 9,999 lb	7 322	7 898	819
10,000 to 49,999 lb	13 106	22 473	5 961
50,000 to 99,999 lb	1 189	6 572	1 007
100,000 lb or more	694	3 966	2 090
SCTG 27, Pulp, newsprint, paper, and paperboard	27 691	42 920	17 809
Less than 50 lb	547	58	17
50 to 99 lb	326	61	12
100 to 499 lb	1 584	461	79
500 to 749 lb	684	279	50
750 to 999 lb	531	184	30
1,000 to 9,999 lb	5 109	3 477	757
10,000 to 49,999 lb	15 065	21 594	11 715
50,000 to 99,999 lb	573	1 475	1 109
100,000 lb or more	3 272	S	4 039
SCTG 28, Paper or paperboard articles	28 194	18 412	5 755
Less than 50 lb	1 595	109	43
50 to 99 lb	584	100	25
100 to 499 lb	1 920	528	88
500 to 749 lb	742	271	71
750 to 999 lb	516	228	46
1,000 to 9,999 lb	8 146	4 835	1 085
10,000 to 49,999 lb	14 533	11 957	4 268
50,000 to 99,999 lb	81	176	63
100,000 lb or more	76	208	S
SCTG 29, Printed products	70 356	21 176	8 077
Less than 50 lb	15 590	1 250	567
50 to 99 lb	4 162	497	139
100 to 499 lb	10 085	1 511	406
500 to 749 lb	2 890	542	153
750 to 999 lb	1 770	383	117
1,000 to 9,999 lb	17 984	7 888	2 946
10,000 to 49,999 lb	17 183	8 191	3 298
50,000 to 99,999 lb	275	204	45
100,000 lb or more	417	710	S
SCTG 30, Textiles, leather, and articles of textiles or leather	41 570	3 743	2 152
Less than 50 lb	12 095	396	323
50 to 99 lb	2 289	105	57
100 to 499 lb	4 880	371	148
500 to 749 lb	1 243	138	44
750 to 999 lb	828	88	30
1,000 to 9,999 lb	10 091	1 059	416
10,000 to 49,999 lb	9 955	1 486	1 083
50,000 to 99,999 lb	74	27	25
100,000 lb or more	114	73	25
SCTG 31, Nonmetallic mineral products	30 384	276 310	27 161
Less than 50 lb	1 353	129	86
50 to 99 lb	437	61	24
100 to 499 lb	1 495	380	84
500 to 749 lb	404	206	31
750 to 999 lb	254	125	19
1,000 to 9,999 lb	4 667	10 718	878
10,000 to 49,999 lb	17 214	120 501	12 787
50,000 to 99,999 lb	2 910	45 681	3 943
100,000 lb or more	1 650	S	9 310
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	120 718	177 521	48 949
Less than 50 lb	1 625	79	18
50 to 99 lb	961	104	20
100 to 499 lb	4 580	891	162
500 to 749 lb	1 860	559	109
750 to 999 lb	1 626	525	110
1,000 to 9,999 lb	21 831	14 157	2 899
10,000 to 49,999 lb	66 832	99 874	24 817
50,000 to 99,999 lb	9 000	25 730	2 865
100,000 lb or more	12 403	35 603	17 949

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	83 492	38 927	19 155
Less than 50 lb	11 315	382	205
50 to 99 lb	4 465	271	115
100 to 499 lb	11 554	1 306	499
500 to 749 lb	4 192	568	177
750 to 999 lb	2 492	435	150
1,000 to 9,999 lb	23 236	8 528	2 988
10,000 to 49,999 lb	23 987	23 700	11 628
50,000 to 99,999 lb	985	1 151	578
100,000 lb or more	1 266	2 587	2 816
SCTG 34, Machinery	173 714	25 461	12 974
Less than 50 lb	20 867	444	174
50 to 99 lb	5 786	215	79
100 to 499 lb	18 452	1 229	525
500 to 749 lb	7 527	642	S
750 to 999 lb	3 639	314	170
1,000 to 9,999 lb	39 947	5 625	2 543
10,000 to 49,999 lb	67 466	14 353	7 305
50,000 to 99,999 lb	6 108	1 528	757
100,000 lb or more	3 921	1 112	868
SCTG 35, Electronic and other electrical equipment and components and office equipment	164 082	11 980	7 524
Less than 50 lb	40 679	604	325
50 to 99 lb	11 789	299	131
100 to 499 lb	32 685	1 287	613
500 to 749 lb	6 983	400	215
750 to 999 lb	4 413	231	122
1,000 to 9,999 lb	37 054	3 078	1 730
10,000 to 49,999 lb	29 713	5 852	4 184
50,000 to 99,999 lb	540	151	150
100,000 lb or more	227	80	56
SCTG 36, Motorized and other vehicles (including parts)	317 884	62 270	28 473
Less than 50 lb	12 381	619	215
50 to 99 lb	4 214	273	107
100 to 499 lb	15 007	1 001	353
500 to 749 lb	5 435	476	189
750 to 999 lb	4 382	400	137
1,000 to 9,999 lb	93 333	12 588	6 099
10,000 to 49,999 lb	131 154	33 624	13 824
50,000 to 99,999 lb	39 122	7 909	5 107
100,000 lb or more	12 855	5 380	2 443
SCTG 37, Transportation equipment, n.e.c.	20 794	1 772	1 048
Less than 50 lb	4 159	12	11
50 to 99 lb	1 091	6	4
100 to 499 lb	3 947	36	27
500 to 749 lb	659	17	11
750 to 999 lb	278	10	6
1,000 to 9,999 lb	4 532	309	244
10,000 to 49,999 lb	5 224	696	438
50,000 to 99,999 lb	S	S	S
100,000 lb or more	682	571	S
SCTG 38, Precision instruments and apparatus	35 611	714	490
Less than 50 lb	16 941	124	81
50 to 99 lb	3 135	48	27
100 to 499 lb	7 070	128	68
500 to 749 lb	1 238	29	13
750 to 999 lb	929	25	13
1,000 to 9,999 lb	4 314	137	80
10,000 to 49,999 lb	1 958	217	200
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	28 043	6 593	4 096
Less than 50 lb	1 288	114	101
50 to 99 lb	713	94	61
100 to 499 lb	3 149	423	231
500 to 749 lb	1 303	196	105
750 to 999 lb	1 167	169	87
1,000 to 9,999 lb	10 537	2 000	1 182
10,000 to 49,999 lb	9 384	3 133	1 970
50,000 to 99,999 lb	416	421	S
100,000 lb or more	85	42	7
SCTG 40, Miscellaneous manufactured products	113 234	23 111	11 607
Less than 50 lb	24 563	694	510
50 to 99 lb	5 313	279	167
100 to 499 lb	14 142	1 296	674
500 to 749 lb	5 808	486	239
750 to 999 lb	3 201	369	182
1,000 to 9,999 lb	27 427	5 486	2 675
10,000 to 49,999 lb	30 670	11 661	5 333
50,000 to 99,999 lb	1 260	1 397	478
100,000 lb or more	851	1 443	S

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	12 395	69 134	12 405
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	19	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	4	1
1,000 to 9,999 lb	459	1 134	55
10,000 to 49,999 lb	7 754	33 309	4 859
50,000 to 99,999 lb	1 356	13 201	1 434
100,000 lb or more	2 781	21 470	6 053
SCTG 43, Mixed freight	46 600	26 553	6 163
Less than 50 lb	1 728	136	S
50 to 99 lb	545	81	14
100 to 499 lb	2 838	750	82
500 to 749 lb	1 284	391	48
750 to 999 lb	909	310	51
1,000 to 9,999 lb	12 423	5 943	868
10,000 to 49,999 lb	26 363	14 930	2 079
50,000 to 99,999 lb	240	183	20
100,000 lb or more	S	S	S
Commodity unknown	11 431	14 869	2 894
Less than 50 lb	1 597	42	22
50 to 99 lb	492	19	7
100 to 499 lb	907	114	27
500 to 749 lb	452	58	13
750 to 999 lb	278	57	13
1,000 to 9,999 lb	2 217	1 203	215
10,000 to 49,999 lb	3 579	3 675	794
50,000 to 99,999 lb	359	2 271	108
100,000 lb or more	1 552	7 430	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	2 046 684	3 213 213	790 549	469	560 044	1 794 357	39 551	177 274	309 240	28 808
Less than 50 lb	197 920	6 477	3 152	565	49 649	2 534	45	11 898	403	37
50 to 99 lb	58 889	3 879	1 217	312	18 929	2 015	39	4 429	323	29
100 to 499 lb	178 441	22 388	5 298	241	57 486	13 018	266	14 573	2 139	194
500 to 749 lb	59 480	11 097	2 707	242	18 375	6 455	133	4 789	1 090	99
750 to 999 lb	39 596	9 133	1 892	207	12 023	5 390	106	4 153	951	86
1,000 to 9,999 lb	456 366	196 466	42 059	214	135 470	114 519	2 210	40 282	18 193	1 662
10,000 to 49,999 lb	787 094	1 263 612	238 202	190	175 428	781 044	16 247	73 373	107 202	9 799
50,000 to 99,999 lb	136 800	634 553	57 144	90	58 717	432 773	11 146	16 929	98 744	8 856
100,000 lb or more	132 098	1 065 606	438 877	349	33 967	436 610	9 359	6 848	80 194	8 046
SCTG 01, Live animals and live fish	3 402	3 068	608	339	349	296	11	S	S	S
Less than 50 lb	S	S	S	521	S	S	S	S	S	S
50 to 99 lb	S	S	S	251	S	S	S	S	S	S
100 to 499 lb	S	S	S	99	S	S	S	S	S	S
500 to 749 lb	S	2	—	164	S	S	S	—	S	S
750 to 999 lb	S	S	S	134	S	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	186	S	58	2	S	30	3
10,000 to 49,999 lb	2 155	2 084	431	194	102	138	5	S	S	S
50,000 to 99,999 lb	545	526	93	179	26	24	1	S	S	S
100,000 lb or more	224	200	S	193	86	65	3	17	S	S
SCTG 02, Cereal grains	36 417	319 295	172 302	138	11 336	109 340	2 928	2 927	27 158	2 563
Less than 50 lb	—	—	—	S	—	—	—	S	S	S
50 to 99 lb	S	6	—	S	S	5	S	S	S	S
100 to 499 lb	17	67	2	30	14	62	1	1	2	—
500 to 749 lb	16	46	4	S	9	38	1	S	S	S
750 to 999 lb	10	43	4	S	8	37	1	S	S	S
1,000 to 9,999 lb	493	1 629	202	128	187	1 218	19	32	131	S
10,000 to 49,999 lb	4 817	20 680	3 372	158	1 521	13 607	261	268	2 001	179
50,000 to 99,999 lb	11 550	111 495	9 525	86	7 430	73 712	2 151	1 949	18 183	1 642
100,000 lb or more	19 510	185 329	159 193	685	2 164	20 660	494	672	6 834	728
SCTG 03, Other agricultural products	36 829	102 242	41 817	612	15 109	42 674	1 340	7 196	17 225	1 582
Less than 50 lb	1 129	119	48	695	352	43	1	92	9	1
50 to 99 lb	237	62	3	54	167	52	S	21	5	1
100 to 499 lb	1 057	467	29	60	605	345	7	201	72	6
500 to 749 lb	409	308	20	64	222	197	4	128	80	7
750 to 999 lb	365	235	19	79	134	141	3	S	41	4
1,000 to 9,999 lb	3 910	5 042	561	103	1 871	2 717	60	761	1 109	92
10,000 to 49,999 lb	10 164	17 298	3 231	178	4 188	8 721	216	2 784	3 435	326
50,000 to 99,999 lb	9 142	36 640	2 421	65	5 658	22 928	779	2 452	10 002	893
100,000 lb or more	10 418	42 071	35 486	497	1 912	7 528	268	612	2 471	252
SCTG 04, Animal feed and products of animal origin, n.e.c.	30 495	95 597	28 959	78	10 502	45 677	958	3 590	9 539	887
Less than 50 lb	36	20	2	155	25	18	—	S	—	—
50 to 99 lb	72	65	2	31	56	62	1	S	1	—
100 to 499 lb	446	663	22	31	333	623	9	23	7	1
500 to 749 lb	312	510	19	35	209	465	7	26	12	1
750 to 999 lb	158	250	11	42	97	220	3	S	9	1
1,000 to 9,999 lb	4 320	11 954	634	51	2 655	10 356	161	463	494	46
10,000 to 49,999 lb	17 646	45 882	11 085	169	5 445	23 488	519	2 312	5 478	513
50,000 to 99,999 lb	3 566	18 668	3 266	175	1 396	8 479	224	648	3 145	281
100,000 lb or more	3 938	17 584	13 919	786	285	1 966	35	92	392	44
SCTG 05, Meat, fish, seafood, and their preparations	63 745	27 706	16 156	190	11 391	4 985	110	5 580	2 789	256
Less than 50 lb	309	42	6	226	212	30	1	28	4	—
50 to 99 lb	413	72	4	53	320	57	1	49	8	1
100 to 499 lb	2 019	593	39	62	1 430	424	9	367	103	9
500 to 749 lb	874	333	32	96	473	190	4	191	77	7
750 to 999 lb	717	264	33	125	373	147	3	102	46	4
1,000 to 9,999 lb	11 980	4 544	1 624	281	3 272	1 405	34	1 719	816	76
10,000 to 49,999 lb	45 413	20 587	13 502	624	4 767	2 392	52	2 979	1 659	153
50,000 to 99,999 lb	709	429	388	938	S	49	S	129	69	6
100,000 lb or more	1 312	843	528	819	470	291	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	41 078	48 304	28 316	233	8 261	8 576	220	3 295	3 103	291
Less than 50 lb	716	140	16	305	323	119	2	20	5	1
50 to 99 lb	295	117	4	38	248	105	2	28	7	1
100 to 499 lb	1 489	624	41	62	1 057	457	10	199	82	7
500 to 749 lb	718	341	31	89	465	207	5	115	58	5
750 to 999 lb	507	251	34	136	245	115	3	113	51	5
1,000 to 9,999 lb	6 335	3 429	969	244	1 658	948	24	1 102	672	61
10,000 to 49,999 lb	26 510	23 467	12 648	522	3 591	4 013	90	1 547	1 707	162
50,000 to 99,999 lb	1 083	4 284	873	198	447	1 904	S	90	333	30
100,000 lb or more	3 425	15 650	13 700	865	225	710	15	S	186	20

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	115 419	135 883	51 115	189	35 474	43 258	1 044	13 244	18 294	1 698
Less than 50 lb	793	121	21	432	432	83	2	71	12	1
50 to 99 lb	692	221	15	68	456	167	4	106	30	3
100 to 499 lb	4 041	2 297	160	66	2 628	1 752	42	516	282	25
500 to 749 lb	1 807	1 263	105	83	1 094	940	22	219	155	14
750 to 999 lb	1 578	1 123	103	93	923	808	19	213	173	15
1,000 to 9,999 lb	21 322	16 898	2 458	136	9 372	10 446	242	2 688	2 396	217
10,000 to 49,999 lb	71 457	73 866	23 941	298	17 730	21 501	523	8 060	10 268	974
50,000 to 99,999 lb	4 787	14 466	2 057	141	1 883	5 573	163	1 164	4 161	364
100,000 lb or more	8 943	25 628	22 255	908	957	1 988	29	207	817	85
SCTG 08, Alcoholic beverages	18 069	18 772	4 589	35	10 843	9 419	173	1 297	1 467	127
Less than 50 lb	155	36	1	38	127	30	1	19	4	—
50 to 99 lb	293	90	3	33	241	78	2	36	8	1
100 to 499 lb	2 186	1 217	34	28	1 891	1 107	21	190	81	7
500 to 749 lb	968	684	17	25	870	643	12	57	28	2
750 to 999 lb	780	593	15	26	702	555	11	49	28	2
1,000 to 9,999 lb	5 673	4 974	149	27	5 129	4 649	89	272	207	16
10,000 to 49,999 lb	5 154	6 315	1 940	242	1 410	1 696	26	355	446	40
50,000 to 99,999 lb	1 259	2 640	517	198	209	446	8	223	560	50
100,000 lb or more	1 600	2 224	1 912	893	264	214	4	S	S	S
SCTG 09, Tobacco products	7 302	453	74	91	3 860	217	6	1 288	113	10
Less than 50 lb	934	24	2	66	601	16	—	223	5	—
50 to 99 lb	771	22	2	107	481	16	—	112	3	—
100 to 499 lb	2 929	113	16	126	1 665	63	2	577	24	2
500 to 749 lb	603	36	7	196	230	13	—	114	9	1
750 to 999 lb	416	35	5	137	234	16	—	46	6	1
1,000 to 9,999 lb	1 582	155	37	187	601	55	2	200	43	4
10,000 to 49,999 lb	S	S	S	78	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	749	3 845	398	91	237	2 836	43	S	S	S
Less than 50 lb	2	—	S	187	1	—	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	11	7	1	172	S	S	S	S	S	S
750 to 999 lb	18	12	S	155	S	S	S	S	S	S
1,000 to 9,999 lb	114	143	24	175	24	90	1	S	S	S
10,000 to 49,999 lb	482	2 523	289	100	100	S	S	S	S	S
50,000 to 99,999 lb	29	453	23	S	S	401	S	—	—	—
100,000 lb or more	S	672	57	80	S	619	S	S	S	S
SCTG 11, Natural sands	1 127	134 572	8 363	47	760	115 882	2 736	94	7 205	670
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	1	—	26	—	1	—	S	S	S
100 to 499 lb	S	7	—	34	S	7	—	S	S	S
500 to 749 lb	S	12	—	S	S	11	—	S	—	—
750 to 999 lb	S	3	—	25	S	3	—	S	S	S
1,000 to 9,999 lb	111	774	27	S	S	702	8	S	17	1
10,000 to 49,999 lb	506	65 413	2 974	42	391	60 205	1 287	25	1 986	167
50,000 to 99,999 lb	268	41 746	1 999	49	185	34 524	844	41	3 797	355
100,000 lb or more	212	26 617	3 361	168	92	20 431	S	11	1 405	147
SCTG 12, Gravel and crushed stone	3 074	575 681	39 100	32	2 535	482 521	9 921	149	29 490	2 678
Less than 50 lb	S	S	S	13	S	S	S	—	—	—
50 to 99 lb	S	S	S	18	S	S	S	S	S	S
100 to 499 lb	1	7	S	84	S	6	—	S	S	S
500 to 749 lb	S	6	S	S	S	5	—	S	S	S
750 to 999 lb	S	12	—	S	S	S	—	S	S	S
1,000 to 9,999 lb	83	2 927	47	16	S	2 867	33	1	35	3
10,000 to 49,999 lb	1 740	334 564	10 810	31	1 592	316 734	6 604	60	10 665	890
50,000 to 99,999 lb	562	101 653	3 508	35	482	89 384	1 849	43	8 303	734
100,000 lb or more	686	136 511	24 734	65	381	73 515	1 435	45	10 486	1 050
SCTG 13, Nonmetallic minerals n.e.c.	2 842	70 256	9 724	145	1 042	47 340	1 006	S	5 420	487
Less than 50 lb	23	2	S	779	11	1	—	S	S	S
50 to 99 lb	3	4	—	S	2	4	—	S	S	S
100 to 499 lb	45	49	2	34	30	43	1	8	S	S
500 to 749 lb	13	S	S	S	9	S	S	S	2	—
750 to 999 lb	9	10	1	S	S	6	—	S	S	S
1,000 to 9,999 lb	287	1 296	104	91	130	1 017	22	81	125	13
10,000 to 49,999 lb	1 767	38 829	2 627	S	667	32 457	556	S	1 710	158
50,000 to 99,999 lb	291	11 038	911	87	76	7 434	243	S	1 926	162
100,000 lb or more	405	18 964	6 074	310	112	6 318	182	26	1 652	154

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	3 080	65 274	40 775	391	642	13 464	671	560	8 939	918
Less than 50 lb	7	—	S	426	S	S	S	S	S	S
50 to 99 lb	3	—	—	283	S	—	—	S	S	S
100 to 499 lb	117	2	1	502	5	1	—	S	—	—
500 to 749 lb	26	3	1	271	11	1	—	S	S	S
750 to 999 lb	5	1	—	328	S	S	S	S	S	S
1,000 to 9,999 lb	200	60	16	260	72	S	S	S	4	—
10,000 to 49,999 lb	506	814	262	402	105	126	4	180	348	36
50,000 to 99,999 lb	43	S	S	527	S	53	2	S	S	S
100,000 lb or more	2 173	64 160	40 356	337	424	13 245	664	337	8 556	878
SCTG 15, Coal	3 951	174 844	26 639	74	2 314	107 629	3 072	447	19 142	2 095
Less than 50 lb	S	S	S	339	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	144	S	S	S	S	S	S
500 to 749 lb	S	S	S	77	S	S	S	S	S	S
750 to 999 lb	S	S	S	4	S	S	S	—	—	—
1,000 to 9,999 lb	S	17	1	S	S	14	—	—	—	—
10,000 to 49,999 lb	304	10 141	580	S	210	7 995	250	38	1 203	110
50,000 to 99,999 lb	681	20 730	1 599	78	448	14 996	566	58	2 536	S
100,000 lb or more	2 930	143 950	24 458	122	1 630	84 622	2 256	348	15 400	1 734
SCTG 17, Gasoline and aviation turbine fuel	51 668	199 957	14 114	35	38 500	145 126	2 961	5 272	19 365	1 670
Less than 50 lb	8	13	S	S	7	13	S	S	S	S
50 to 99 lb	16	37	S	23	15	36	S	S	S	S
100 to 499 lb	S	153	2	15	S	151	2	S	S	S
500 to 749 lb	53	112	2	17	52	112	2	S	S	S
750 to 999 lb	58	148	2	17	58	147	2	S	S	S
1,000 to 9,999 lb	2 719	5 961	183	25	2 464	5 419	110	185	329	29
10,000 to 49,999 lb	8 847	33 998	1 887	54	6 787	25 691	583	1 080	4 401	380
50,000 to 99,999 lb	25 532	93 491	4 596	50	20 634	73 704	1 868	2 963	12 287	1 056
100,000 lb or more	14 278	66 044	7 439	303	8 326	39 854	392	S	2 345	206
SCTG 18, Fuel oils	19 835	95 941	5 777	24	15 675	73 470	1 254	2 064	10 205	889
Less than 50 lb	2	S	S	53	2	S	S	S	S	S
50 to 99 lb	5	13	S	41	4	9	—	S	S	S
100 to 499 lb	114	285	5	19	111	275	4	3	9	1
500 to 749 lb	95	304	4	13	95	303	4	—	—	—
750 to 999 lb	146	526	6	12	144	522	6	S	S	S
1,000 to 9,999 lb	3 148	10 727	195	15	2 960	10 371	151	141	203	17
10,000 to 49,999 lb	3 418	14 389	711	42	2 790	11 347	231	359	1 659	158
50,000 to 99,999 lb	6 827	32 785	2 044	63	4 985	22 984	535	1 070	5 674	477
100,000 lb or more	6 079	36 907	S	279	4 583	27 653	323	489	2 652	236
SCTG 19, Coal and petroleum products, n.e.c.	17 803	112 426	15 405	78	8 756	69 505	1 160	1 863	9 804	794
Less than 50 lb	125	30	3	115	83	25	—	9	1	—
50 to 99 lb	61	27	2	87	38	21	—	4	2	—
100 to 499 lb	660	399	24	58	520	344	6	44	24	2
500 to 749 lb	255	295	19	70	166	254	4	31	21	2
750 to 999 lb	292	455	21	46	213	405	7	S	S	S
1,000 to 9,999 lb	3 730	5 808	448	59	2 263	4 603	81	341	301	27
10,000 to 49,999 lb	5 795	41 075	3 500	79	2 551	30 118	498	725	2 988	274
50,000 to 99,999 lb	1 777	16 524	1 426	89	935	11 168	303	249	1 738	157
100,000 lb or more	5 108	47 813	9 960	315	1 988	22 567	260	S	4 705	329
SCTG 20, Basic chemicals ..	19 296	45 614	19 613	187	5 835	16 461	287	1 403	3 591	348
Less than 50 lb	1 149	41	10	399	340	26	—	123	3	—
50 to 99 lb	248	71	7	96	103	61	1	9	2	—
100 to 499 lb	1 310	940	58	62	715	828	16	94	47	4
500 to 749 lb	436	316	40	129	171	249	5	39	22	2
750 to 999 lb	429	218	15	66	103	188	3	18	7	1
1,000 to 9,999 lb	3 941	3 242	357	98	1 515	2 247	49	344	320	30
10,000 to 49,999 lb	8 533	17 689	4 121	232	2 282	7 184	176	634	2 521	243
50,000 to 99,999 lb	761	4 113	2 044	534	213	1 393	23	88	517	47
100,000 lb or more	2 489	18 983	12 961	797	393	S	13	S	152	21
SCTG 21, Pharmaceutical products	51 941	1 921	970	501	9 201	434	10	4 868	190	18
Less than 50 lb	14 074	151	59	520	2 763	42	1	1 237	17	2
50 to 99 lb	4 778	79	24	300	934	23	1	680	13	1
100 to 499 lb	10 715	242	80	322	1 950	68	2	1 192	37	3
500 to 749 lb	3 529	68	32	464	222	11	—	144	8	1
750 to 999 lb	2 040	49	21	425	150	11	—	S	5	—
1,000 to 9,999 lb	10 670	518	247	430	1 526	94	3	921	68	7
10,000 to 49,999 lb	5 915	746	493	629	1 488	161	3	S	S	4
50,000 to 99,999 lb	S	S	S	35	S	S	S	S	S	S
100,000 lb or more	S	S	S	381	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	9 177	45 231	6 144	138	5 828	27 838	552	996	5 273	481
Less than 50 lb	15	4	S	866	2	S	—	S	S	S
50 to 99 lb	6	4	1	187	S	3	—	S	S	S
100 to 499 lb	36	48	2	S	24	43	1	S	1	—
500 to 749 lb	22	29	2	67	14	23	—	2	2	—
750 to 999 lb	27	51	1	24	22	48	1	S	S	—
1,000 to 9,999 lb	1 854	6 302	105	19	1 698	6 113	68	58	108	10
10,000 to 49,999 lb	3 999	19 539	S	68	2 613	13 076	282	536	2 717	235
50,000 to 99,999 lb	1 453	8 759	752	89	884	5 327	S	266	1 745	142
100,000 lb or more	1 765	10 494	3 379	330	565	3 204	51	S	699	93
SCTG 23, Chemical products and preparations, n.e.c.	69 045	33 349	16 753	293	16 391	8 983	188	4 190	2 097	198
Less than 50 lb	3 209	168	46	292	1 252	74	1	370	18	2
50 to 99 lb	1 634	147	36	244	770	78	1	172	15	1
100 to 499 lb	4 889	723	192	263	2 273	353	7	477	71	7
500 to 749 lb	2 232	315	84	263	1 234	141	3	159	32	3
750 to 999 lb	1 490	284	78	270	775	133	3	99	32	3
1,000 to 9,999 lb	13 339	4 345	1 550	342	3 691	1 473	32	1 132	353	33
10,000 to 49,999 lb	40 544	24 587	12 984	515	6 117	6 275	131	1 747	1 489	140
50,000 to 99,999 lb	499	687	298	420	143	130	3	33	82	8
100,000 lb or more	1 208	2 094	1 483	727	137	326	S	S	S	S
SCTG 24, Plastics and rubber	87 701	30 691	14 652	535	20 485	6 916	175	6 763	2 438	224
Less than 50 lb	6 415	326	168	616	1 971	100	2	374	21	2
50 to 99 lb	2 709	264	92	339	933	2	2	198	23	2
100 to 499 lb	10 187	1 399	463	313	3 580	582	13	935	143	13
500 to 749 lb	3 695	590	228	382	1 038	5	5	271	50	5
750 to 999 lb	2 784	519	205	389	722	166	4	241	53	5
1,000 to 9,999 lb	29 555	9 303	3 589	389	7 002	2 702	69	2 808	886	79
10,000 to 49,999 lb	29 907	15 329	8 054	483	4 888	2 634	69	1 874	1 187	108
50,000 to 99,999 lb	332	274	136	508	S	30	1	13	14	1
100,000 lb or more	2 117	2 686	1 718	642	297	386	10	47	60	9
SCTG 25, Logs and other wood in the rough	759	9 132	1 412	320	298	3 882	S	161	3 703	S
Less than 50 lb	S	S	S	667	S	S	S	S	S	S
50 to 99 lb	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	8	S	S	S	7	S	S	S	S	S
500 to 749 lb	3	2	—	116	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	70	121	6	S	38	S	S	S	7	1
10,000 to 49,999 lb	312	2 504	312	122	122	1 470	47	52	542	52
50,000 to 99,999 lb	178	4 689	448	94	48	1 681	S	81	S	S
100,000 lb or more	118	1 803	645	S	12	614	13	18	S	S
SCTG 26, Wood products	25 686	41 693	10 043	360	8 935	18 255	503	3 407	8 079	730
Less than 50 lb	360	33	14	612	110	12	—	32	4	—
50 to 99 lb	271	56	S	637	123	22	—	40	7	—
100 to 499 lb	1 564	325	54	167	838	198	4	239	47	4
500 to 749 lb	665	184	35	183	359	113	2	70	22	2
750 to 999 lb	515	186	31	161	273	117	3	63	26	2
1,000 to 9,999 lb	7 322	7 898	819	120	3 437	5 718	S	1 000	887	81
10,000 to 49,999 lb	13 106	22 473	5 961	235	3 216	8 029	226	1 699	4 863	430
50,000 to 99,999 lb	1 189	6 572	1 007	151	390	2 385	72	230	1 727	159
100,000 lb or more	694	3 966	2 090	587	189	1 660	S	35	497	51
SCTG 27, Pulp, newsprint, paper, and paperboard	27 691	42 920	17 809	253	6 735	6 874	138	2 395	S	S
Less than 50 lb	547	58	17	287	246	30	1	35	5	—
50 to 99 lb	326	61	12	186	184	38	1	20	5	—
100 to 499 lb	1 584	461	79	162	920	299	6	145	50	4
500 to 749 lb	684	279	50	174	368	184	3	57	25	2
750 to 999 lb	531	184	30	163	308	118	2	67	18	2
1,000 to 9,999 lb	5 109	3 477	757	201	2 306	1 780	34	448	485	51
10,000 to 49,999 lb	15 065	21 594	11 715	494	1 861	3 071	77	1 347	1 898	183
50,000 to 99,999 lb	573	1 475	1 109	699	116	295	3	S	S	S
100,000 lb or more	3 272	S	4 039	S	426	1 060	11	263	S	S
SCTG 28, Paper or paperboard articles	28 194	18 412	5 755	342	9 577	7 284	186	2 898	2 494	226
Less than 50 lb	1 595	109	43	442	517	52	1	112	9	1
50 to 99 lb	584	100	25	249	275	61	1	64	10	1
100 to 499 lb	1 920	528	88	167	988	334	7	274	72	6
500 to 749 lb	742	271	71	267	336	152	4	73	32	3
750 to 999 lb	516	228	46	197	281	144	3	56	24	2
1,000 to 9,999 lb	8 146	4 835	1 085	222	3 895	2 612	61	893	652	57
10,000 to 49,999 lb	14 533	11 957	4 268	317	3 172	3 767	104	1 423	1 674	153
50,000 to 99,999 lb	81	176	63	348	54	72	2	S	5	—
100,000 lb or more	76	208	S	425	58	91	3	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	70 356	21 176	8 077	493	21 614	9 351	174	3 907	1 416	128
Less than 50 lb	15 590	1 250	567	520	3 301	619	10	602	61	5
50 to 99 lb	4 162	497	139	273	1 222	296	5	216	37	3
100 to 499 lb	10 085	1 511	406	260	3 441	912	17	559	115	10
500 to 749 lb	2 890	542	153	278	1 475	316	7	130	28	2
750 to 999 lb	1 770	383	117	309	605	217	4	78	25	2
1,000 to 9,999 lb	17 984	7 888	2 946	392	6 896	3 746	68	1 134	420	36
10,000 to 49,999 lb	17 183	8 191	3 298	364	4 428	2 890	60	1 142	662	63
50,000 to 99,999 lb	275	204	45	223	S	92	1	33	23	2
100,000 lb or more	417	710	S	540	164	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	41 570	3 743	2 152	811	6 185	716	18	2 370	277	26
Less than 50 lb	12 095	396	323	834	1 035	38	1	470	14	1
50 to 99 lb	2 289	105	57	534	315	22	—	110	8	1
100 to 499 lb	4 880	371	148	412	1 076	130	3	331	33	3
500 to 749 lb	1 243	138	44	314	336	52	1	152	21	2
750 to 999 lb	828	88	30	345	224	31	1	43	8	1
1,000 to 9,999 lb	10 091	1 059	416	391	2 029	278	7	977	105	10
10,000 to 49,999 lb	9 955	1 486	1 083	661	1 146	143	5	277	87	8
50,000 to 99,999 lb	74	27	25	925	S	S	S	S	S	S
100,000 lb or more	114	73	25	286	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	30 384	276 310	27 161	399	10 635	211 877	3 993	3 040	19 596	1 917
Less than 50 lb	1 353	129	86	704	332	26	—	58	5	—
50 to 99 lb	437	61	24	375	136	28	—	28	4	—
100 to 499 lb	1 495	380	84	245	602	247	4	121	27	2
500 to 749 lb	404	206	31	151	153	145	3	25	11	1
750 to 999 lb	254	125	19	151	95	88	1	20	8	1
1,000 to 9,999 lb	4 667	10 718	878	102	1 896	9 095	126	320	485	44
10,000 to 49,999 lb	17 214	120 501	12 787	98	5 559	90 871	1 422	1 626	7 802	713
50,000 to 99,999 lb	2 910	45 681	3 943	86	1 241	27 789	681	728	9 509	894
100,000 lb or more	1 650	S	9 310	S	620	S	S	114	1 745	260
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	120 718	177 521	48 949	257	33 269	61 577	1 269	13 759	23 427	2 176
Less than 50 lb	1 625	79	18	394	704	46	1	158	9	1
50 to 99 lb	961	104	20	189	431	64	1	94	13	1
100 to 499 lb	4 580	891	162	180	2 182	520	10	461	111	10
500 to 749 lb	1 860	559	109	196	739	302	6	188	74	6
750 to 999 lb	1 626	525	110	209	556	274	6	156	85	7
1,000 to 9,999 lb	21 831	14 157	2 899	197	7 426	6 509	156	2 561	1 922	177
10,000 to 49,999 lb	66 832	99 874	24 817	244	16 257	34 109	726	7 402	11 506	1 069
50,000 to 99,999 lb	9 000	25 730	2 865	117	3 446	13 778	239	1 866	4 775	422
100,000 lb or more	12 403	35 603	17 949	421	1 529	5 975	123	874	4 932	483
SCTG 33, Articles of base metal	83 492	38 927	19 155	462	20 352	9 275	250	7 141	3 266	301
Less than 50 lb	11 315	382	205	488	3 776	130	3	806	23	2
50 to 99 lb	4 465	271	115	419	1 033	93	2	216	20	2
100 to 499 lb	11 554	1 306	499	417	3 055	496	10	774	116	11
500 to 749 lb	4 192	568	177	306	1 274	247	6	272	54	5
750 to 999 lb	2 492	435	150	347	693	166	4	208	47	4
1,000 to 9,999 lb	23 236	8 528	2 988	350	6 279	3 077	71	2 353	855	79
10,000 to 49,999 lb	23 987	23 700	11 628	459	3 876	4 575	140	2 475	1 905	175
50,000 to 99,999 lb	985	1 151	578	481	273	267	8	30	89	8
100,000 lb or more	1 266	2 587	2 816	1 156	95	224	6	S	S	S
SCTG 34, Machinery	173 714	25 461	12 974	393	40 286	6 243	153	13 514	2 188	220
Less than 50 lb	20 867	444	174	376	6 626	169	3	1 773	41	4
50 to 99 lb	5 786	215	79	358	2 035	93	2	599	23	2
100 to 499 lb	18 452	1 229	525	412	5 003	433	9	1 555	120	11
500 to 749 lb	7 527	642	S	854	1 674	157	3	559	41	4
750 to 999 lb	3 639	314	170	541	609	79	2	285	23	2
1,000 to 9,999 lb	39 947	5 625	2 543	473	8 974	1 797	37	3 384	459	42
10,000 to 49,999 lb	67 466	14 353	7 305	534	13 655	2 937	80	4 603	1 077	118
50,000 to 99,999 lb	6 108	1 528	757	475	1 504	464	14	S	S	S
100,000 lb or more	3 921	1 112	868	756	206	112	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	164 082	11 980	7 524	548	37 608	2 632	57	8 297	789	75
Less than 50 lb	40 679	604	325	562	10 488	233	4	1 900	31	3
50 to 99 lb	11 789	299	131	431	4 493	144	3	674	19	2
100 to 499 lb	32 685	1 287	613	478	8 653	554	12	1 518	73	7
500 to 749 lb	6 983	400	215	531	1 464	132	3	325	25	2
750 to 999 lb	4 413	231	122	529	1 044	62	1	201	18	2
1,000 to 9,999 lb	37 054	3 078	1 730	538	7 238	789	17	1 542	170	15
10,000 to 49,999 lb	29 713	5 852	4 184	679	4 062	663	15	2 126	448	44
50,000 to 99,999 lb	540	151	150	910	150	53	S	S	S	S
100,000 lb or more	227	80	56	966	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	317 884	62 270	28 473	299	65 282	16 505	370	22 806	5 029	481
Less than 50 lb	12 381	619	215	278	4 715	293	4	1 055	40	4
50 to 99 lb	4 214	273	107	384	1 070	94	2	314	20	2
100 to 499 lb	15 007	1 001	353	332	3 316	319	7	1 520	105	10
500 to 749 lb	5 435	476	189	393	956	118	3	624	53	5
750 to 999 lb	4 382	400	137	343	836	101	3	800	54	5
1,000 to 9,999 lb	93 333	12 588	6 099	472	22 540	3 362	69	6 685	1 138	108
10,000 to 49,999 lb	131 154	33 624	13 824	399	25 034	9 744	227	10 670	3 116	294
50,000 to 99,999 lb	39 122	7 909	5 107	681	3 308	1 402	37	997	461	49
100,000 lb or more	12 855	5 380	2 443	431	3 507	1 073	S	S	43	S
SCTG 37, Transportation equipment, n.e.c.	20 794	1 772	1 048	815	1 656	300	16	655	50	5
Less than 50 lb	4 159	12	11	857	331	1	—	98	—	—
50 to 99 lb	1 091	6	4	640	112	1	—	S	—	—
100 to 499 lb	3 947	36	27	746	446	5	—	S	1	—
500 to 749 lb	659	17	11	616	88	2	—	S	S	S
750 to 999 lb	278	10	6	584	S	2	—	S	S	S
1,000 to 9,999 lb	4 532	309	244	722	141	22	1	163	16	1
10,000 to 49,999 lb	5 224	696	438	739	140	44	1	S	S	S
50,000 to 99,999 lb	S	S	S	249	S	S	S	—	—	—
100,000 lb or more	682	571	S	531	250	154	13	S	S	S
SCTG 38, Precision instruments and apparatus	35 611	714	490	680	7 260	140	3	1 943	62	5
Less than 50 lb	16 941	124	81	690	2 575	30	1	777	7	1
50 to 99 lb	3 135	48	27	546	981	16	—	99	3	—
100 to 499 lb	7 070	128	68	507	2 109	39	1	373	9	1
500 to 749 lb	1 238	29	13	457	305	7	—	S	4	—
750 to 999 lb	929	25	13	544	172	4	—	59	S	—
1,000 to 9,999 lb	4 314	137	80	566	1 088	39	S	295	S	1
10,000 to 49,999 lb	1 958	217	200	931	S	S	S	116	20	2
50,000 to 99,999 lb	S	S	S	1 348	—	—	—	—	—	—
100,000 lb or more	S	S	S	249	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	28 043	6 593	4 096	794	7 734	1 754	42	986	244	24
Less than 50 lb	1 288	114	101	925	392	18	—	34	2	—
50 to 99 lb	713	94	61	651	242	25	—	21	2	—
100 to 499 lb	3 149	423	231	538	1 069	139	2	186	22	2
500 to 749 lb	1 303	196	105	528	387	57	1	55	9	1
750 to 999 lb	1 167	169	87	513	267	41	1	61	11	1
1,000 to 9,999 lb	10 537	2 000	1 182	596	2 468	435	9	484	103	10
10,000 to 49,999 lb	9 384	3 133	1 970	570	2 566	775	23	141	92	9
50,000 to 99,999 lb	416	421	S	812	S	S	S	S	S	S
100,000 lb or more	85	42	7	238	67	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products ...	113 234	23 111	11 607	763	21 119	5 654	137	8 804	2 305	230
Less than 50 lb	24 563	694	510	799	4 681	128	3	1 208	36	3
50 to 99 lb	5 313	279	167	598	1 115	70	1	296	18	2
100 to 499 lb	14 142	1 296	674	522	2 961	323	7	851	90	8
500 to 749 lb	5 808	486	239	487	1 065	153	3	224	37	4
750 to 999 lb	3 201	369	182	488	665	86	2	236	36	3
1,000 to 9,999 lb	27 427	5 486	2 675	490	5 034	1 451	36	2 128	558	54
10,000 to 49,999 lb	30 670	11 661	5 333	448	5 239	2 508	58	3 675	1 341	137
50,000 to 99,999 lb	1 260	1 397	478	322	187	500	16	154	164	16
100,000 lb or more	851	1 443	S	629	174	S	S	S	S	S
SCTG 41, Waste and scrap .	12 395	69 134	12 405	165	4 498	32 617	883	1 800	12 444	1 228
Less than 50 lb	S	S	S	947	S	—	S	S	S	S
50 to 99 lb	S	S	S	291	S	S	S	—	—	—
100 to 499 lb	19	S	S	196	S	S	S	S	—	—
500 to 749 lb	S	S	S	179	S	S	S	S	S	S
750 to 999 lb	S	4	1	S	1	S	—	S	S	S
1,000 to 9,999 lb	459	1 134	55	59	254	1 037	S	30	S	S
10,000 to 49,999 lb	7 754	33 309	4 859	128	2 544	16 002	430	1 131	7 138	627
50,000 to 99,999 lb	1 356	13 201	1 434	105	656	7 089	157	390	3 347	308
100,000 lb or more	2 781	21 470	6 053	290	1 029	8 476	272	248	1 918	290
SCTG 43, Mixed freight.....	46 600	26 553	6 163	369	18 180	9 873	277	9 180	5 065	461
Less than 50 lb	1 728	136	S	519	756	62	1	100	13	1
50 to 99 lb	545	81	14	179	277	45	1	86	13	1
100 to 499 lb	2 838	750	82	111	1 406	428	10	530	144	14
500 to 749 lb	1 284	391	48	122	534	202	4	279	81	8
750 to 999 lb	909	310	51	162	345	136	3	208	74	7
1,000 to 9,999 lb	12 423	5 943	868	139	4 599	2 343	67	2 207	1 135	105
10,000 to 49,999 lb	26 363	14 930	2 079	133	10 088	6 088	180	5 760	3 589	324
50,000 to 99,999 lb	240	183	20	S	176	121	2	S	S	S
100,000 lb or more	S	S	S	799	S	S	S	S	S	S

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	11 431	14 869	2 894	476	3 496	6 696	116	1 151	1 354	122
Less than 50 lb	1 597	42	22	577	478	16	—	108	3	—
50 to 99 lb	492	19	7	377	83	9	—	S	1	—
100 to 499 lb	907	114	27	254	307	61	1	45	9	1
500 to 749 lb	452	58	13	216	S	35	1	20	S	S
750 to 999 lb	278	57	13	226	S	26	—	S	S	S
1,000 to 9,999 lb	2 217	1 203	215	209	604	723	11	345	76	7
10,000 to 49,999 lb	3 579	3 675	794	184	1 049	2 073	36	407	440	40
50,000 to 99,999 lb	359	2 271	108	49	308	1 810	44	S	S	S
100,000 lb or more	1 552	7 430	S	266	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	346 887	407 720	88 214	342 702	297 605	147 657	241 378	179 731	155 257	144 642	107 039	123 325
Less than 50 lb	24 951	669	142	30 898	805	370	27 143	676	520	20 291	596	623
50 to 99 lb	7 936	406	84	9 166	401	180	6 963	283	214	4 422	174	181
100 to 499 lb	25 618	2 405	486	27 622	1 847	814	19 255	1 187	898	12 469	709	742
500 to 749 lb	9 164	1 204	240	9 151	927	421	6 738	495	375	4 560	334	350
750 to 999 lb	6 531	1 095	219	6 235	675	299	4 267	413	310	2 518	266	275
1,000 to 9,999 lb	79 518	24 962	5 048	78 455	16 622	7 416	47 323	9 372	7 069	28 780	5 068	5 305
10,000 to 49,999 lb	152 642	149 881	30 664	144 977	105 057	46 426	99 644	54 109	40 361	52 014	30 722	31 950
50,000 to 99,999 lb	16 684	69 091	13 437	14 597	21 639	8 938	10 685	5 614	4 334	7 241	2 692	2 990
100,000 lb or more	23 844	158 008	37 894	21 601	149 632	82 794	19 361	107 581	101 176	12 346	66 477	80 909
SCTG 01, Live animals and live fish	1 369	1 286	276	431	377	163	56	35	25	S	S	S
Less than 50 lb	S	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	6	6	3	S	S	S	S	S	S
10,000 to 49,999 lb	856	806	168	303	303	130	29	29	21	S	S	S
50,000 to 99,999 lb	241	234	49	60	46	19	6	4	3	—	—	—
100,000 lb or more	85	S	S	S	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	4 593	36 973	8 781	5 343	46 087	23 984	4 308	36 350	36 520	3 515	29 003	36 186
Less than 50 lb	S	—	—	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	1	2	—	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	40	108	21	51	75	33	S	S	S	S	S	S
10,000 to 49,999 lb	716	1 571	317	512	2 045	889	887	607	463	305	295	310
50,000 to 99,999 lb	1 340	12 677	2 500	700	6 135	2 286	S	S	S	S	S	S
100,000 lb or more	2 497	22 613	5 941	4 078	37 828	20 775	3 241	35 049	35 524	3 154	28 646	35 806
SCTG 03, Other agricultural products	4 741	10 316	1 954	1 935	4 882	3 106	3 492	12 371	12 660	2 378	8 688	11 139
Less than 50 lb	97	9	2	314	S	S	124	S	S	S	4	4
50 to 99 lb	24	2	—	8	1	—	—	S	S	S	—	—
100 to 499 lb	121	40	7	36	5	2	14	2	1	13	1	1
500 to 749 lb	42	23	4	8	6	2	S	—	—	S	1	1
750 to 999 lb	76	49	2	2	1	—	S	1	1	S	S	S
1,000 to 9,999 lb	854	902	168	189	169	66	57	57	42	61	36	39
10,000 to 49,999 lb	1 884	2 683	488	414	777	334	321	679	507	293	431	446
50,000 to 99,999 lb	870	3 457	557	38	155	57	9	25	19	S	S	S
100,000 lb or more	772	3 150	718	926	3 734	2 629	2 960	11 597	12 081	1 952	8 192	10 624
SCTG 04, Animal feed and products of animal origin, n.e.c.	4 630	11 982	2 494	4 997	12 381	6 442	3 217	9 063	7 689	1 373	2 657	2 912
Less than 50 lb	2	1	—	3	1	—	S	—	—	1	—	—
50 to 99 lb	1	1	—	4	1	—	S	—	—	S	—	—
100 to 499 lb	40	19	4	S	S	S	10	2	2	6	2	2
500 to 749 lb	S	S	S	S	S	S	3	1	1	S	2	2
750 to 999 lb	S	13	3	7	5	2	S	3	2	S	S	S
1,000 to 9,999 lb	561	596	121	424	347	154	99	100	75	62	32	33
10,000 to 49,999 lb	2 738	5 717	1 152	2 983	4 828	2 134	1 817	3 321	2 481	1 040	1 340	1 394
50,000 to 99,999 lb	751	3 595	727	486	2 371	1 064	186	835	637	32	121	130
100,000 lb or more	466	2 017	483	1 054	4 814	3 082	1 093	4 800	4 491	210	1 160	1 351
SCTG 05, Meat, fish, seafood, and their preparations	9 724	4 626	969	9 911	4 762	2 175	7 349	3 306	2 522	6 033	2 457	2 538
Less than 50 lb	31	4	1	S	S	S	S	—	—	S	S	S
50 to 99 lb	37	6	1	S	—	—	S	S	S	S	S	S
100 to 499 lb	159	52	10	30	7	3	8	2	1	9	2	2
500 to 749 lb	133	51	9	31	8	3	13	3	2	7	1	1
750 to 999 lb	157	55	10	21	6	2	26	4	3	11	2	2
1,000 to 9,999 lb	2 201	951	190	1 316	437	188	944	284	215	770	215	226
10,000 to 49,999 lb	6 850	3 403	725	8 118	4 056	1 860	6 219	2 903	2 202	5 116	2 169	2 234
50,000 to 99,999 lb	84	65	15	28	33	17	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	214	101	112	94	86	105	67	72
SCTG 06, Milled grain products and preparations, and bakery products	7 653	9 719	2 239	7 226	7 919	3 848	6 700	9 085	7 690	3 631	4 620	4 965
Less than 50 lb	S	3	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	13	5	1	2	1	—	S	—	—	S	—	—
100 to 499 lb	184	68	12	33	11	4	7	2	2	3	1	1
500 to 749 lb	103	61	11	23	10	4	6	3	2	3	1	1
750 to 999 lb	103	65	12	30	13	5	S	3	2	2	S	S
1,000 to 9,999 lb	1 475	866	169	996	459	198	554	240	177	272	123	129
10,000 to 49,999 lb	4 933	4 818	1 017	5 378	4 654	2 175	5 009	3 804	2 898	2 775	2 069	2 100
50,000 to 99,999 lb	332	1 444	310	87	314	129	70	94	68	S	115	120
100,000 lb or more	484	2 390	707	525	2 453	1 331	996	4 938	4 540	494	2 308	2 609

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	21 678	27 065	5 494	16 398	19 098	9 420	12 251	12 173	9 788	7 229	7 439	8 132
Less than 50 lb	77	11	2	39	3	1	43	S	S	63	4	4
50 to 99 lb	65	18	3	26	2	1	17	2	1	S	S	S
100 to 499 lb	460	192	35	165	37	15	107	9	7	65	12	12
500 to 749 lb	239	110	20	94	26	11	49	10	7	48	S	S
750 to 999 lb	166	78	14	119	22	9	60	17	13	40	S	S
1,000 to 9,999 lb	3 559	2 133	414	2 345	880	380	1 169	379	287	957	279	290
10,000 to 49,999 lb	15 100	18 521	3 714	11 414	10 726	4 683	8 732	6 118	4 519	4 687	3 253	3 349
50,000 to 99,999 lb	1 225	3 625	686	222	641	259	150	233	180	53	65	69
100,000 lb or more	786	2 376	606	1 974	6 760	4 061	1 922	5 401	4 770	1 305	3 800	4 379
SCTG 08, Alcoholic beverages	2 459	3 439	746	1 874	2 548	1 076	530	656	524	477	416	450
Less than 50 lb	7	1	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	14	3	1	2	—	—	S	S	S	—	—	—
100 to 499 lb	89	25	5	10	3	1	S	S	S	S	S	S
500 to 749 lb	35	11	2	3	2	1	S	S	S	—	—	—
750 to 999 lb	25	9	2	2	S	S	S	—	—	S	S	S
1,000 to 9,999 lb	161	85	16	S	12	5	34	13	10	7	3	3
10,000 to 49,999 lb	1 343	1 937	408	1 174	1 514	627	353	304	230	186	172	183
50,000 to 99,999 lb	427	1 073	218	371	516	200	S	S	S	—	—	—
100,000 lb or more	S	295	95	258	498	241	108	299	249	S	—	S
SCTG 09, Tobacco products	1 196	89	17	520	18	8	102	4	3	S	1	S
Less than 50 lb	87	2	—	S	—	—	4	—	—	4	—	—
50 to 99 lb	127	2	—	S	—	—	S	—	—	S	—	—
100 to 499 lb	470	19	4	64	3	1	40	1	1	S	—	—
500 to 749 lb	130	10	2	S	S	S	S	1	1	S	S	S
750 to 999 lb	83	8	1	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	294	39	8	361	10	4	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	415	80	47	114	46	64	91	68	39	46	47
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	9	8	4	S	S	S	5	3	3
10,000 to 49,999 lb	S	S	65	32	96	38	40	66	49	33	42	43
50,000 to 99,999 lb	S	S	6	S	S	S	5	12	9	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 11, Natural sands	134	7 687	1 743	46	1 252	522	42	904	783	16	S	S
Less than 50 lb	—	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	21	S	S	S	4	2	S	S	S	—	2	2
10,000 to 49,999 lb	44	1 778	352	21	377	160	13	103	73	8	S	S
50,000 to 99,999 lb	28	2 838	574	12	567	208	S	S	S	1	8	8
100,000 lb or more	38	3 026	807	8	303	152	28	788	700	7	187	229
SCTG 12, Gravel and crushed stone	201	32 882	7 277	125	21 392	10 113	33	6 038	5 459	32	3 294	3 534
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	17	4	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	55	4 249	803	15	764	351	4	215	152	S	S	S
50,000 to 99,999 lb	31	3 560	660	4	268	116	S	S	S	S	S	S
100,000 lb or more	109	25 055	5 810	105	20 358	9 645	29	5 817	5 303	16	S	S
SCTG 13, Nonmetallic minerals n.e.c.	453	7 836	1 694	281	6 310	3 070	137	1 915	1 462	52	668	771
Less than 50 lb	S	—	—	1	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	1	—	1	—	—	S	S	S	S	S	S
500 to 749 lb	1	—	—	—	—	—	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	54	99	20	6	17	7	12	S	S	2	S	S
10,000 to 49,999 lb	232	2 472	483	185	1 455	645	63	320	226	29	170	180
50,000 to 99,999 lb	50	1 188	246	21	332	138	6	S	S	S	10	13
100,000 lb or more	107	4 072	944	66	4 504	2 280	52	1 428	1 108	17	482	572

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	137	S	S	684	17 799	14 485	636	16 308	14 024	153	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	S	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	—	—	4	—	—	S	—	—	S	—	—
500 to 749 lb	2	—	—	S	—	—	S	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	5	1	24	5	2	15	3	2	4	1	1
10,000 to 49,999 lb	69	107	24	59	84	34	37	71	52	S	23	22
50,000 to 99,999 lb	S	11	3	S	S	12	S	S	S	S	S	S
100,000 lb or more	S	S	S	585	17 679	14 436	573	16 200	13 944	S	S	S
SCTG 15, Coal	726	28 712	6 799	216	8 980	4 263	156	6 381	5 729	92	4 000	4 679
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	762	147	15	S	S	7	14	11	S	S	S
50,000 to 99,999 lb	S	2 676	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	539	25 273	6 052	173	8 290	4 019	149	6 366	5 719	92	4 000	4 678
SCTG 17, Gasoline and aviation turbine fuel	5 954	26 895	4 751	S	S	2 952	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	—	—	—	—	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	66	203	37	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	819	3 308	604	132	517	220	S	S	S	S	S	S
50,000 to 99,999 lb	1 716	6 639	1 198	174	705	300	—	—	—	S	S	S
100,000 lb or more	3 351	16 742	2 911	S	S	S	—	—	—	S	S	S
SCTG 18, Fuel oils	1 627	8 909	1 456	309	1 790	757	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	47	149	26	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	222	1 178	216	28	153	66	S	S	S	S	S	S
50,000 to 99,999 lb	581	3 048	571	S	S	S	S	S	S	—	—	—
100,000 lb or more	775	4 531	642	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	3 363	21 070	4 993	2 245	8 046	3 798	810	2 380	2 148	300	491	539
Less than 50 lb	10	1	—	S	S	1	7	S	1	S	S	S
50 to 99 lb	4	2	—	S	2	S	1	—	—	S	S	S
100 to 499 lb	42	13	2	24	6	3	21	S	S	5	2	2
500 to 749 lb	15	8	2	8	3	1	4	1	1	S	S	S
750 to 999 lb	13	6	1	S	S	S	6	2	1	2	1	1
1,000 to 9,999 lb	660	601	124	276	186	92	70	44	30	47	20	20
10,000 to 49,999 lb	1 218	5 235	978	796	1 576	624	314	S	S	60	76	78
50,000 to 99,999 lb	371	2 943	541	84	416	176	S	S	S	S	S	S
100,000 lb or more	1 032	12 262	3 345	1 012	5 839	2 894	369	1 351	1 407	150	373	419
SCTG 20, Basic chemicals	3 014	8 199	1 776	4 002	6 809	3 270	2 022	2 577	2 279	1 291	3 682	4 489
Less than 50 lb	115	3	1	159	4	2	128	2	1	83	2	2
50 to 99 lb	47	3	1	32	2	1	17	1	1	10	1	1
100 to 499 lb	119	26	5	165	17	8	88	8	6	69	S	S
500 to 749 lb	33	13	2	65	14	6	49	5	4	S	S	S
750 to 999 lb	65	9	2	S	11	5	11	1	1	8	1	1
1,000 to 9,999 lb	530	377	73	946	179	71	198	54	39	162	30	31
10,000 to 49,999 lb	1 496	4 317	812	1 644	1 777	782	1 108	808	615	646	567	562
50,000 to 99,999 lb	101	791	165	S	310	145	S	129	101	45	S	S
100,000 lb or more	509	2 660	S	671	4 496	2 252	343	1 569	S	239	2 898	3 690
SCTG 21, Pharmaceutical products	10 765	285	58	10 974	292	128	6 157	301	229	4 500	S	S
Less than 50 lb	3 236	36	7	2 509	24	11	1 638	13	10	1 128	8	9
50 to 99 lb	1 370	20	4	759	12	5	354	5	4	191	2	3
100 to 499 lb	2 571	60	12	2 416	38	17	966	15	11	839	11	12
500 to 749 lb	904	17	3	476	15	8	S	8	6	S	5	6
750 to 999 lb	S	13	3	S	8	3	140	8	S	S	2	2
1,000 to 9,999 lb	1 250	79	16	S	91	39	1 222	114	88	754	37	38
10,000 to 49,999 lb	S	60	13	457	69	32	1 281	138	104	282	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	1 174	6 398	S	S	S	S	206	967	755	54	227	245
Less than 50 lb	3	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	7	3	1	S	S	S	1	S	S	—	—	—
500 to 749 lb	2	3	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	71	60	11	14	11	5	10	7	5	S	S	S
10,000 to 49,999 lb	477	S	419	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	215	1 216	240	77	418	172	6	30	21	S	S	S
100,000 lb or more	S	S	S	S	S	S	93	562	468	27	125	142
SCTG 23, Chemical products and preparations, n.e.c.	12 107	5 958	1 321	12 970	6 148	2 806	9 848	4 529	3 413	5 405	2 394	2 560
Less than 50 lb	624	31	6	425	20	9	238	11	8	118	6	6
50 to 99 lb	257	19	4	198	16	7	99	8	6	37	4	5
100 to 499 lb	804	110	22	574	82	36	343	50	37	175	22	23
500 to 749 lb	347	59	13	248	41	17	90	21	16	S	12	12
750 to 999 lb	144	41	8	161	36	16	90	18	13	S	13	13
1,000 to 9,999 lb	2 667	894	197	2 691	741	316	1 568	416	306	621	199	199
10,000 to 49,999 lb	6 997	4 259	946	8 414	4 633	2 086	7 154	3 629	2 740	3 868	1 646	1 755
50,000 to 99,999 lb	71	191	39	79	99	43	72	31	24	S	S	S
100,000 lb or more	196	356	88	180	479	275	196	S	S	237	354	388
SCTG 24, Plastics and rubber.....	15 450	5 410	1 168	18 340	7 161	3 236	11 916	4 504	3 493	5 954	1 881	1 966
Less than 50 lb	862	35	8	972	50	22	677	30	23	743	63	63
50 to 99 lb	423	43	9	417	33	14	302	26	19	183	11	11
100 to 499 lb	1 655	234	49	1 595	176	79	911	108	81	561	60	63
500 to 749 lb	557	107	22	680	94	41	377	52	40	373	37	39
750 to 999 lb	510	110	24	446	72	32	351	50	39	201	24	24
1,000 to 9,999 lb	6 101	1 848	375	6 042	1 901	833	3 353	927	691	1 543	444	462
10,000 to 49,999 lb	4 913	2 598	566	7 536	3 871	1 718	5 453	2 737	2 097	2 070	917	941
50,000 to 99,999 lb	88	104	22	58	49	20	S	43	35	S	14	S
100,000 lb or more	341	332	94	594	915	476	428	530	467	264	311	350
SCTG 25, Logs and other wood in the rough	93	405	80	131	S	S	29	57	43	4	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	7	1	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	47	197	37	64	S	S	12	27	19	S	3	3
50,000 to 99,999 lb	15	135	25	28	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	31	S	S	S	S	S	S	S	S
SCTG 26, Wood products ..	4 548	7 708	1 542	3 345	3 406	1 550	1 994	1 540	1 185	1 457	746	812
Less than 50 lb	60	5	1	51	4	2	35	2	2	23	2	2
50 to 99 lb	31	5	1	30	4	2	14	1	1	8	1	1
100 to 499 lb	176	35	7	137	18	8	68	10	7	44	7	8
500 to 749 lb	67	20	4	85	12	5	27	5	4	25	5	6
750 to 999 lb	59	19	3	60	10	4	31	7	6	7	1	1
1,000 to 9,999 lb	1 190	728	135	678	250	106	409	151	110	257	70	76
10,000 to 49,999 lb	2 488	4 322	876	2 146	2 640	1 192	1 285	956	705	1 056	553	594
50,000 to 99,999 lb	355	1 973	396	94	250	108	S	S	S	8	18	20
100,000 lb or more	121	600	119	63	217	123	55	258	242	29	88	105
SCTG 27, Pulp, newsprint, paper, and paperboard ...	4 092	6 032	1 373	5 945	6 359	3 050	3 930	4 405	3 475	2 195	3 141	3 379
Less than 50 lb	62	7	1	75	6	3	52	4	3	30	2	2
50 to 99 lb	26	6	1	41	5	2	26	4	S	S	1	1
100 to 499 lb	149	44	8	150	27	12	73	15	11	76	15	15
500 to 749 lb	95	36	7	73	12	5	31	7	5	S	6	6
750 to 999 lb	71	19	4	38	11	4	23	6	5	12	S	S
1,000 to 9,999 lb	666	499	101	744	321	141	286	136	106	420	168	175
10,000 to 49,999 lb	2 571	4 649	1 064	4 014	4 771	2 231	2 710	3 105	2 381	1 697	2 312	2 428
50,000 to 99,999 lb	55	159	47	115	375	211	83	171	163	67	134	164
100,000 lb or more	398	613	140	695	830	441	645	957	799	378	493	578
SCTG 28, Paper or paperboard articles	4 227	3 205	653	4 461	2 303	1 008	2 983	1 276	976	1 845	881	920
Less than 50 lb	193	10	2	183	9	4	220	11	8	158	7	7
50 to 99 lb	54	8	2	71	7	3	33	4	3	44	4	4
100 to 499 lb	205	50	10	147	26	12	89	16	12	97	16	16
500 to 749 lb	75	26	5	63	18	8	S	12	9	46	21	22
750 to 999 lb	55	18	4	37	13	6	45	14	10	20	5	6
1,000 to 9,999 lb	1 139	651	130	856	347	155	563	213	161	309	154	160
10,000 to 49,999 lb	2 491	2 379	486	3 091	1 816	789	1 923	996	765	1 162	631	664
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	8 602	2 468	500	10 919	2 610	1 187	9 374	2 268	1 681	6 143	1 106	1 138
Less than 50 lb	1 491	69	15	2 581	119	55	2 420	128	97	2 170	121	123
50 to 99 lb	415	37	8	685	39	17	480	35	27	509	21	22
100 to 499 lb	1 102	108	23	1 358	115	50	1 245	111	84	769	55	60
500 to 749 lb	205	37	7	421	S	S	259	26	20	107	14	15
750 to 999 lb	178	36	7	265	30	13	138	19	14	211	S	S
1,000 to 9,999 lb	2 005	878	173	2 593	808	391	2 295	792	583	1 178	411	430
10,000 to 49,999 lb	3 098	1 207	251	2 902	1 244	548	2 471	1 107	821	1 128	424	427
50,000 to 99,999 lb	S	S	5	41	S	13	S	S	S	S	S	S
100,000 lb or more	S	S	S	73	S	54	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	7 533	819	172	8 903	650	294	6 510	419	314	4 004	280	293
Less than 50 lb	1 429	42	9	2 269	73	34	2 585	76	60	1 804	66	69
50 to 99 lb	240	15	3	598	22	9	21	16	16	161	6	6
100 to 499 lb	804	59	12	843	52	22	821	42	31	451	23	24
500 to 749 lb	220	24	5	150	14	6	164	11	8	113	8	8
750 to 999 lb	158	17	3	195	18	8	87	6	4	50	3	3
1,000 to 9,999 lb	2 497	258	51	2 194	215	98	635	61	46	598	65	67
10,000 to 49,999 lb	2 093	S	S	2 636	244	111	1 642	192	142	805	104	111
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	5 382	22 146	4 549	5 437	14 476	6 529	2 383	3 148	2 414	1 130	1 975	2 144
Less than 50 lb	174	11	2	204	31	15	209	12	9	163	S	S
50 to 99 lb	35	5	1	83	9	4	61	5	4	31	4	4
100 to 499 lb	158	31	6	180	23	10	176	24	19	80	9	9
500 to 749 lb	69	22	4	60	12	5	43	S	S	14	3	3
750 to 999 lb	28	10	2	55	10	4	20	4	3	S	3	3
1,000 to 9,999 lb	612	384	78	965	396	182	396	175	134	149	58	59
10,000 to 49,999 lb	3 310	10 403	2 136	3 364	6 685	2 901	1 298	2 002	1 475	627	1 289	1 395
50,000 to 99,999 lb	645	6 315	1 160	145	1 412	557	S	S	S	6	S	S
100,000 lb or more	351	4 964	1 160	380	5 900	2 851	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	29 602	42 694	9 542	24 159	28 659	12 476	10 034	10 568	7 987	4 718	5 833	6 658
Less than 50 lb	151	8	2	127	5	2	189	5	3	122	3	3
50 to 99 lb	140	10	2	80	6	3	66	5	3	45	1	1
100 to 499 lb	535	111	22	609	66	27	326	36	27	175	21	21
500 to 749 lb	255	73	15	236	57	24	207	28	21	77	12	13
750 to 999 lb	301	65	13	237	43	19	108	23	18	71	18	18
1,000 to 9,999 lb	4 610	2 720	529	3 675	1 706	725	1 783	739	543	852	268	274
10,000 to 49,999 lb	17 304	24 607	5 249	16 358	20 405	8 789	5 478	5 733	4 171	1 959	1 831	1 880
50,000 to 99,999 lb	2 454	5 126	1 015	899	1 537	644	147	342	252	32	31	31
100,000 lb or more	3 852	9 973	2 694	1 937	4 833	2 243	1 730	3 657	2 949	1 386	3 648	4 416
SCTG 33, Articles of base metal	14 658	7 150	1 501	15 959	6 620	2 996	11 099	5 082	3 779	5 364	S	S
Less than 50 lb	1 479	46	10	1 974	58	27	1 121	46	35	716	26	27
50 to 99 lb	660	35	7	S	52	23	738	38	27	201	11	11
100 to 499 lb	1 769	211	42	1 659	165	71	2 071	153	114	664	58	60
500 to 749 lb	529	81	17	1 047	86	38	264	46	35	469	26	26
750 to 999 lb	467	72	14	442	62	28	339	38	27	150	21	22
1,000 to 9,999 lb	4 645	1 610	345	4 086	1 239	559	2 557	767	579	1 321	430	437
10,000 to 49,999 lb	4 946	4 766	994	5 304	4 532	2 055	3 761	3 505	2 579	1 607	S	S
50,000 to 99,999 lb	72	191	S	237	256	115	101	S	S	S	55	62
100,000 lb or more	S	S	S	72	170	79	147	307	254	S	S	S
SCTG 34, Machinery	29 394	4 831	1 010	30 775	4 355	1 964	22 448	2 994	2 267	13 651	1 763	1 872
Less than 50 lb	2 965	70	15	3 346	70	34	2 304	32	25	1 405	25	27
50 to 99 lb	735	27	6	794	25	12	702	20	15	372	10	10
100 to 499 lb	2 751	170	37	3 358	180	82	2 203	124	95	1 431	82	86
500 to 749 lb	847	63	13	1 189	84	36	795	45	34	427	30	32
750 to 999 lb	596	52	12	669	53	24	516	38	29	322	23	24
1,000 to 9,999 lb	5 905	795	173	7 298	950	419	5 525	661	500	3 850	422	440
10,000 to 49,999 lb	14 407	3 365	689	12 249	2 582	1 147	8 159	1 668	1 252	4 981	945	960
50,000 to 99,999 lb	846	126	25	837	128	55	1 024	208	168	S	S	S
100,000 lb or more	341	162	39	1 036	283	156	1 220	198	148	295	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	20 361	1 661	354	28 885	2 355	1 072	21 956	1 462	1 085	15 803	773	807
Less than 50 lb	4 057	60	13	5 550	61	28	6 011	66	52	4 144	55	58
50 to 99 lb	1 010	23	5	1 516	31	14	1 238	23	17	1 160	20	22
100 to 499 lb	3 230	117	26	5 130	159	74	4 511	125	96	3 242	83	88
500 to 749 lb	1 053	47	11	1 070	63	29	1 090	45	34	529	25	26
750 to 999 lb	695	35	8	781	39	19	836	27	21	213	18	19
1,000 to 9,999 lb	6 829	484	104	7 309	594	265	4 081	350	264	4 706	228	237
10,000 to 49,999 lb	3 406	843	178	7 494	1 389	634	4 133	815	593	1 729	330	341
50,000 to 99,999 lb	S	S	S	S	S	S	42	9	6	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	59 271	13 532	3 125	62 137	11 338	5 547	43 365	7 011	5 433	23 484	3 659	3 996
Less than 50 lb	1 821	79	17	1 726	69	30	1 238	53	42	882	43	44
50 to 99 lb	874	46	10	716	47	22	569	32	25	322	19	19
100 to 499 lb	3 449	210	44	3 669	182	81	1 103	72	55	831	55	58
500 to 749 lb	1 176	86	18	1 520	115	54	518	60	44	300	17	19
750 to 999 lb	1 294	112	23	737	67	30	222	29	21	198	17	17
1,000 to 9,999 lb	17 412	2 395	518	18 868	2 387	1 157	11 610	1 364	1 063	4 863	563	636
10,000 to 49,999 lb	26 219	7 279	1 608	24 817	6 033	2 779	17 959	3 326	2 487	9 312	1 506	1 634
50,000 to 99,999 lb	2 760	1 125	305	8 837	1 609	838	8 092	1 529	1 227	5 877	853	949
100,000 lb or more	S	S	S	1 246	S	S	2 054	547	469	898	S	S
SCTG 37, Transportation equipment, n.e.c.	2 360	375	91	3 430	409	188	3 977	341	295	2 593	109	113
Less than 50 lb	330	1	—	833	3	2	811	2	2	650	2	2
50 to 99 lb	198	1	—	181	2	1	187	1	1	103	1	1
100 to 499 lb	S	4	1	592	7	4	519	6	5	400	5	5
500 to 749 lb	75	2	—	S	3	1	259	S	S	S	2	2
750 to 999 lb	S	S	S	S	1	—	S	2	2	S	2	2
1,000 to 9,999 lb	519	47	10	701	71	34	620	49	37	615	35	36
10,000 to 49,999 lb	341	174	37	893	191	87	1 317	121	91	689	59	62
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	134	109	49	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	3 821	81	16	5 348	93	44	5 366	105	83	4 175	63	67
Less than 50 lb	2 132	15	3	2 824	18	9	2 487	17	13	2 272	12	13
50 to 99 lb	269	5	1	482	7	3	339	5	4	407	5	S
100 to 499 lb	773	18	4	1 060	20	10	876	15	11	767	10	10
500 to 749 lb	S	S	S	178	4	2	263	3	2	40	2	2
750 to 999 lb	151	7	1	53	1	1	168	3	2	52	2	2
1,000 to 9,999 lb	261	14	3	613	19	10	739	15	12	376	9	10
10,000 to 49,999 lb	97	16	2	S	S	S	494	47	38	S	18	18
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	3 614	930	214	3 943	993	451	4 757	1 025	764	2 590	596	628
Less than 50 lb	145	9	2	143	14	6	164	14	11	130	16	17
50 to 99 lb	57	7	1	140	16	8	68	8	6	88	S	S
100 to 499 lb	341	51	11	488	63	28	364	48	36	330	45	48
500 to 749 lb	190	26	6	212	39	18	155	22	17	116	18	20
750 to 999 lb	145	22	5	227	33	15	273	29	21	75	16	16
1,000 to 9,999 lb	1 465	280	58	1 670	341	157	1 742	334	253	1 142	250	264
10,000 to 49,999 lb	1 216	502	121	1 059	483	217	1 976	561	413	702	224	237
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products	18 675	4 203	886	19 971	3 918	1 699	17 855	2 725	2 078	10 731	1 670	1 724
Less than 50 lb	2 857	77	17	3 992	100	46	4 040	117	89	3 143	93	101
50 to 99 lb	693	37	8	970	46	21	908	37	28	446	24	25
100 to 499 lb	2 073	166	36	2 612	307	132	2 158	166	125	1 270	94	98
500 to 749 lb	S	70	15	877	70	32	1 301	55	42	522	53	55
750 to 999 lb	398	63	14	713	66	30	585	49	37	266	29	30
1,000 to 9,999 lb	4 513	893	195	5 203	869	373	4 171	736	561	2 478	411	422
10,000 to 49,999 lb	6 484	2 449	512	5 003	2 118	914	4 439	1 421	1 085	2 394	827	843
50,000 to 99,999 lb	299	331	64	401	176	80	82	76	59	33	24	24
100,000 lb or more	50	S	S	198	166	71	S	S	53	S	S	S
SCTG 41, Waste and scrap	3 167	12 248	2 762	2 034	7 849	3 643	592	2 816	2 257	164	621	669
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	109	30	6	19	9	4	S	S	S	S	S	S
10,000 to 49,999 lb	2 147	5 498	1 084	1 451	3 341	1 459	323	881	621	71	219	229
50,000 to 99,999 lb	176	1 796	359	53	S	S	28	83	72	40	106	115
100,000 lb or more	729	4 923	1 313	505	3 807	1 918	201	1 838	1 555	42	295	324
SCTG 43, Mixed freight	12 635	6 496	1 208	3 268	S	S	1 255	S	S	1 133	S	S
Less than 50 lb	232	18	4	S	S	S	S	S	S	S	S	S
50 to 99 lb	75	10	2	52	8	4	12	1	1	S	1	2
100 to 499 lb	577	137	26	160	22	9	63	6	4	22	4	4
500 to 749 lb	253	78	15	140	16	8	44	6	5	S	S	S
750 to 999 lb	171	64	12	72	15	6	S	S	S	S	S	S
1,000 to 9,999 lb	3 899	1 914	362	1 099	386	163	304	78	60	139	42	44
10,000 to 49,999 lb	7 325	4 140	763	1 563	580	254	659	245	176	694	186	191
50,000 to 99,999 lb	53	S	S	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	1 474	S	S	2 318	S	S	1 310	379	302	685	166	182
Less than 50 lb	193	5	1	217	4	2	202	4	3	125	4	4
50 to 99 lb	S	S	S	91	3	1	S	S	1	25	2	2
100 to 499 lb	81	12	2	319	17	8	57	S	S	60	4	4
500 to 749 lb	32	5	1	S	6	3	22	3	2	12	1	1
750 to 999 lb	41	14	3	43	4	2	15	3	2	S	S	S
1,000 to 9,999 lb	405	162	33	320	S	69	158	29	22	208	30	31
10,000 to 49,999 lb	361	396	78	582	305	142	650	231	166	215	100	106
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	140 361	91 882	150 549	83 231	23 087	50 185	10 165	2 551	7 003
Less than 50 lb	18 074	475	687	13 122	274	574	1 893	47	154
50 to 99 lb	3 901	158	235	2 511	96	201	632	21	54
100 to 499 lb	12 674	631	916	7 697	393	821	1 048	60	161
500 to 749 lb	3 570	270	385	2 813	298	645	319	24	59
750 to 999 lb	1 911	198	285	1 656	120	254	302	24	58
1,000 to 9,999 lb	26 915	4 896	7 094	16 677	2 407	5 112	2 946	427	1 144
10,000 to 49,999 lb	55 284	21 984	32 781	31 182	12 319	26 499	2 550	1 295	3 476
50,000 to 99,999 lb	6 669	2 559	3 981	5 044	1 262	2 811	S	178	S
100,000 lb or more	11 363	60 712	104 185	2 529	5 918	13 268	241	474	1 246
SCTG 01, Live animals and live fish	S	20	30	S	S	S	—	—	—
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	17	17	26	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	4 115	34 144	60 595	269	170	375	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	51	33	48	S	11	22	—	—	—
10,000 to 49,999 lb	354	393	596	S	160	353	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	3 704	33 699	59 924	—	—	—	—	—	—
SCTG 03, Other agricultural products	1 600	5 875	9 576	S	196	427	7	S	S
Less than 50 lb	49	4	6	52	5	12	S	S	S
50 to 99 lb	S	—	S	S	S	S	S	S	S
100 to 499 lb	S	1	1	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	21	23	30	S	S	S	S	S	S
10,000 to 49,999 lb	230	S	S	48	98	217	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	1 268	5 352	8 809	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	1 648	3 675	6 165	531	610	1 373	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	53	26	39	S	S	S	—	—	—
10,000 to 49,999 lb	1 040	1 429	2 282	266	269	570	S	S	S
50,000 to 99,999 lb	52	93	138	16	S	S	—	—	—
100,000 lb or more	493	2 127	3 705	S	308	728	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	11 171	3 982	5 913	2 465	754	1 554	121	46	119
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S
100 to 499 lb	7	1	2	11	2	4	—	—	—
500 to 749 lb	17	1	2	10	1	3	—	—	—
750 to 999 lb	S	2	3	18	3	6	—	—	—
1,000 to 9,999 lb	1 395	346	509	359	89	182	S	S	S
10,000 to 49,999 lb	9 360	3 403	5 032	1 937	580	1 194	S	S	S
50,000 to 99,999 lb	270	162	254	S	S	S	S	S	S
100,000 lb or more	104	65	110	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	2 402	3 860	6 002	1 802	1 376	2 930	109	46	131
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	3	2	3	S	1	1	S	S	S
500 to 749 lb	1	1	1	1	—	1	S	S	S
750 to 999 lb	4	1	2	3	1	3	S	S	S
1,000 to 9,999 lb	137	65	90	121	49	103	S	S	S
10,000 to 49,999 lb	1 632	1 432	2 110	1 563	933	1 985	81	38	112
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	549	2 310	3 711	70	355	768	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	5 152	5 392	8 643	3 892	3 106	6 746	102	59	150
Less than 50 lb	S	S	S	S	S	S	S	S	—
50 to 99 lb	S	—	—	S	S	S	S	—	—
100 to 499 lb	39	7	10	56	6	14	S	S	S
500 to 749 lb	28	5	8	30	4	9	S	S	1
750 to 999 lb	22	6	9	33	4	9	S	—	1
1,000 to 9,999 lb	677	260	364	516	112	232	38	12	32
10,000 to 49,999 lb	2 956	1 801	2 598	2 736	1 647	3 508	42	30	73
50,000 to 99,999 lb	S	33	46	50	S	S	—	—	—
100,000 lb or more	1 353	3 276	5 604	430	1 193	2 679	S	S	S
SCTG 08, Alcoholic beverages	378	598	1 001	177	218	460	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	13	3	4	6	S	S	—	—	—
10,000 to 49,999 lb	180	141	194	118	93	199	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	181	449	796	S	S	S	—	—	—
SCTG 09, Tobacco products	95	3	4	S	S	S	S	S	S
Less than 50 lb	S	—	—	6	—	—	S	S	S
50 to 99 lb	S	—	—	S	S	S	S	S	S
100 to 499 lb	38	1	2	62	2	4	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	74	50	77	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	4	6	S	S	S	—	—	—
10,000 to 49,999 lb	S	25	36	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 11, Natural sands	S	463	680	S	35	75	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	4	23	49	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	455	670	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	55	718	1 133	19	36	72	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	29	203	288	S	31	62	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	25	507	835	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	198	S	S	43	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	86	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	3	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	34	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 15, Coal	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	337	649	910	124	S	S	S	S	S
Less than 50 lb	S	—	—	S	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	3	1	1	2	1	1	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	4	1	2	S	S	S	—	—	—
1,000 to 9,999 lb	56	S	S	16	6	14	S	S	S
10,000 to 49,999 lb	49	55	80	80	107	241	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	107	391	597	16	S	S	—	—	—
SCTG 20, Basic chemicals ..	865	3 951	6 373	709	263	577	155	80	214
Less than 50 lb	S	1	1	S	1	2	S	—	—
50 to 99 lb	S	1	1	S	1	1	S	S	S
100 to 499 lb	31	3	3	23	2	5	7	S	S
500 to 749 lb	14	2	3	36	S	S	S	S	S
750 to 999 lb	5	—	1	S	S	S	S	S	S
1,000 to 9,999 lb	86	18	25	132	14	28	28	S	S
10,000 to 49,999 lb	399	322	490	259	140	302	65	52	140
50,000 to 99,999 lb	88	S	S	18	S	S	—	—	—
100,000 lb or more	196	2 842	4 558	55	59	140	28	22	59
SCTG 21, Pharmaceutical products	2 925	94	133	2 393	65	137	158	2	5
Less than 50 lb	771	6	8	668	5	10	124	1	2
50 to 99 lb	341	2	3	130	1	2	S	—	S
100 to 499 lb	551	11	15	217	3	6	S	—	S
500 to 749 lb	S	3	5	50	2	3	S	S	S
750 to 999 lb	50	2	3	S	1	3	—	—	—
1,000 to 9,999 lb	221	18	24	979	15	32	S	S	S
10,000 to 49,999 lb	801	52	75	290	38	80	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	51	218	375	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	9	27	41	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	36	185	326	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	3 263	1 333	1 910	4 375	1 647	3 650	496	260	706
Less than 50 lb	95	5	7	65	3	6	23	1	1
50 to 99 lb	38	4	5	59	3	5	5	1	2
100 to 499 lb	143	20	28	85	14	29	15	1	4
500 to 749 lb	26	4	6	20	6	12	S	S	S
750 to 999 lb	37	8	11	S	3	7	6	1	3
1,000 to 9,999 lb	550	156	224	351	96	200	69	17	43
10,000 to 49,999 lb	2 178	1 006	1 415	3 708	1 443	3 202	361	208	569
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	70	79	189	S	S	S
SCTG 24, Plastics and rubber	4 600	1 200	1 759	3 364	974	2 088	828	207	544
Less than 50 lb	460	15	22	313	11	22	44	2	4
50 to 99 lb	126	8	12	120	9	19	8	1	2
100 to 499 lb	597	60	88	296	27	57	56	8	21
500 to 749 lb	235	24	35	94	14	28	S	6	13
750 to 999 lb	194	26	37	82	11	22	37	7	17
1,000 to 9,999 lb	1 286	296	431	1 072	226	470	347	73	179
10,000 to 49,999 lb	1 678	726	1 071	1 276	568	1 230	219	92	254
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	23	44	62	77	90	197	S	S	S
SCTG 25, Logs and other wood in the rough	5	S	S	34	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	1 205	1 232	2 036	764	708	1 634	32	20	51
Less than 50 lb	33	3	5	13	1	2	S	—	1
50 to 99 lb	S	S	S	4	1	1	S	S	S
100 to 499 lb	34	5	7	26	4	8	S	S	S
500 to 749 lb	17	5	7	13	2	5	S	S	S
750 to 999 lb	13	3	5	9	3	6	S	S	S
1,000 to 9,999 lb	216	54	75	131	39	82	S	1	2
10,000 to 49,999 lb	768	S	S	426	295	649	21	17	44
50,000 to 99,999 lb	S	16	27	28	54	119	—	—	—
100,000 lb or more	88	336	642	113	309	762	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	1 154	1 429	2 216	1 158	1 347	2 915	88	69	186
Less than 50 lb	17	S	S	24	1	3	6	—	1
50 to 99 lb	12	S	S	2	—	—	S	S	S
100 to 499 lb	29	4	5	S	2	4	S	S	S
500 to 749 lb	5	1	1	25	S	S	S	S	S
750 to 999 lb	8	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	129	52	76	101	31	66	8	3	8
10,000 to 49,999 lb	504	672	959	846	1 072	2 268	43	45	124
50,000 to 99,999 lb	77	175	291	45	81	185	S	S	S
100,000 lb or more	374	520	877	92	149	369	—	—	—
SCTG 28, Paper or paperboard articles	1 004	471	703	1 122	480	1 039	78	18	45
Less than 50 lb	107	6	9	97	5	11	S	—	—
50 to 99 lb	22	3	4	21	S	S	S	S	S
100 to 499 lb	60	7	9	53	6	13	S	S	S
500 to 749 lb	22	5	7	19	6	13	S	S	S
750 to 999 lb	10	S	S	12	3	5	S	S	S
1,000 to 9,999 lb	265	136	210	200	65	136	27	6	16
10,000 to 49,999 lb	518	299	442	719	384	839	33	10	27
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	5 856	1 316	1 888	3 573	599	1 255	368	41	126
Less than 50 lb	1 616	70	103	1 194	48	101	215	S	S
50 to 99 lb	290	18	26	S	S	S	16	1	3
100 to 499 lb	949	58	83	S	34	72	41	3	9
500 to 749 lb	156	16	24	116	12	24	S	S	S
750 to 999 lb	67	10	15	S	12	27	S	1	2
1,000 to 9,999 lb	1 359	S	S	487	98	204	37	10	27
10,000 to 49,999 lb	1 410	382	556	581	267	556	22	7	16
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	3 651	322	459	1 980	S	S	432	25	69
Less than 50 lb	1 438	55	77	980	27	58	84	S	S
50 to 99 lb	165	6	9	120	5	11	14	1	2
100 to 499 lb	312	18	25	209	11	23	33	1	4
500 to 749 lb	62	4	6	37	3	7	S	—	1
750 to 999 lb	48	3	4	19	3	5	S	S	S
1,000 to 9,999 lb	553	40	56	364	26	54	S	S	29
10,000 to 49,999 lb	S	S	S	247	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	994	S	S	1 100	1 160	2 509	282	179	484
Less than 50 lb	101	S	S	93	5	10	20	—	1
50 to 99 lb	29	3	4	26	3	5	9	—	1
100 to 499 lb	85	8	12	72	10	19	22	1	3
500 to 749 lb	S	2	3	S	1	2	10	1	2
750 to 999 lb	S	S	S	9	1	3	S	S	S
1,000 to 9,999 lb	103	61	86	156	49	104	70	15	S
10,000 to 49,999 lb	606	741	1 179	676	579	1 235	146	128	331
50,000 to 99,999 lb	S	S	S	S	42	91	S	S	S
100,000 lb or more	32	S	S	S	471	1 039	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	2 400	2 793	4 243	2 339	1 555	3 531	439	413	1 066
Less than 50 lb	98	2	4	S	1	2	S	S	S
50 to 99 lb	53	2	2	32	2	4	S	S	S
100 to 499 lb	157	15	22	100	8	16	S	2	6
500 to 749 lb	49	6	9	S	5	11	11	2	4
750 to 999 lb	53	7	11	S	7	15	8	S	S
1,000 to 9,999 lb	460	187	266	390	91	193	74	15	36
10,000 to 49,999 lb	1 103	1 026	1 462	743	478	1 024	227	178	448
50,000 to 99,999 lb	S	S	S	S	77	165	S	S	S
100,000 lb or more	388	S	S	659	887	2 100	S	209	554
SCTG 33, Articles of base metal	4 839	2 934	4 372	3 331	704	1 485	750	190	496
Less than 50 lb	478	19	26	S	S	S	95	1	3
50 to 99 lb	161	8	12	113	7	15	S	S	S
100 to 499 lb	620	57	82	S	46	95	59	5	12
500 to 749 lb	180	16	24	88	9	19	S	S	S
750 to 999 lb	95	17	24	89	11	23	9	S	S
1,000 to 9,999 lb	1 146	350	501	702	175	361	148	24	58
10,000 to 49,999 lb	1 389	1 216	1 837	529	289	615	100	45	123
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	695	1 190	1 777	48	S	S	S	S	S
SCTG 34, Machinery	14 330	1 824	2 618	8 401	1 063	2 353	916	S	S
Less than 50 lb	1 236	19	28	1 046	14	31	166	2	7
50 to 99 lb	341	9	13	174	6	12	35	S	S
100 to 499 lb	1 192	72	106	898	43	90	60	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	352	25	36	250	13	27	S	S	S
1,000 to 9,999 lb	3 278	332	479	1 592	159	331	141	S	120
10,000 to 49,999 lb	6 231	1 172	1 678	2 951	491	1 073	S	S	S
50,000 to 99,999 lb	455	81	121	S	41	S	S	S	S
100,000 lb or more	S	42	61	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	18 952	1 349	2 026	10 939	902	1 898	1 281	56	151
Less than 50 lb	5 073	67	99	3 086	28	58	370	3	9
50 to 99 lb	1 079	24	36	451	11	23	168	3	S
100 to 499 lb	4 246	108	162	1 817	58	120	339	9	27
500 to 749 lb	1 003	36	54	436	25	52	14	S	S
750 to 999 lb	356	17	25	250	12	27	S	1	1
1,000 to 9,999 lb	3 321	233	337	1 832	218	459	197	11	31
10,000 to 49,999 lb	3 853	854	1 301	2 768	490	1 024	142	20	54
50,000 to 99,999 lb	S	S	S	234	53	116	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	25 162	3 270	5 058	14 609	1 646	3 713	1 770	278	749
Less than 50 lb	557	24	36	334	16	33	53	2	5
50 to 99 lb	231	10	15	S	4	8	S	S	S
100 to 499 lb	732	40	57	366	17	36	20	2	4
500 to 749 lb	225	17	25	111	8	18	5	1	2
750 to 999 lb	101	8	13	S	11	23	S	S	S
1,000 to 9,999 lb	6 436	874	1 318	3 731	377	877	1 188	127	353
10,000 to 49,999 lb	11 170	1 714	2 712	5 508	765	1 704	466	S	S
50,000 to 99,999 lb	5 209	518	766	4 041	412	935	—	—	—
100,000 lb or more	S	65	S	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	4 673	157	S	1 324	27	56	126	S	S
Less than 50 lb	637	2	3	412	1	1	S	S	S
50 to 99 lb	108	1	1	108	—	—	S	S	S
100 to 499 lb	S	5	8	S	2	4	S	—	1
500 to 749 lb	S	1	1	S	—	1	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	8	17	S	S	S
10,000 to 49,999 lb	1 653	66	S	125	13	27	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	4 501	134	192	2 717	33	68	480	4	10
Less than 50 lb	2 039	14	20	1 647	9	19	188	1	3
50 to 99 lb	304	4	6	240	3	6	14	—	—
100 to 499 lb	657	11	17	327	6	12	128	1	2
500 to 749 lb	68	2	3	41	1	2	S	S	S
750 to 999 lb	159	4	5	S	S	S	S	S	S
1,000 to 9,999 lb	512	15	21	384	10	20	S	S	S
10,000 to 49,999 lb	761	83	119	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	2 528	545	776	1 736	476	1 063	154	31	134
Less than 50 lb	196	34	44	75	5	10	11	S	S
50 to 99 lb	66	13	19	30	3	6	S	—	—
100 to 499 lb	195	27	40	155	24	51	S	S	S
500 to 749 lb	S	17	24	63	8	17	S	S	S
750 to 999 lb	66	11	15	50	6	13	S	S	S
1,000 to 9,999 lb	951	157	215	576	95	200	39	5	16
10,000 to 49,999 lb	915	278	405	732	199	450	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	8 760	1 181	1 748	6 519	1 361	2 851	799	95	254
Less than 50 lb	2 716	93	138	1 568	41	85	359	9	27
50 to 99 lb	463	25	37	375	19	39	47	2	6
100 to 499 lb	1 201	79	115	878	59	125	138	10	27
500 to 749 lb	251	21	31	247	25	54	13	2	4
750 to 999 lb	182	27	38	115	11	22	S	S	S
1,000 to 9,999 lb	1 800	258	371	1 960	285	597	141	26	66
10,000 to 49,999 lb	2 029	539	784	1 350	433	925	55	25	75
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	19	29	S	S	S	S	S	S
SCTG 41, Waste and scrap .	95	372	591	42	166	369	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	57	171	273	30	58	134	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	135	211	6	79	170	—	—	—
SCTG 43, Mixed freight	579	S	S	355	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	6	8	25	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	12	25	—	—	—
10,000 to 49,999 lb	116	41	55	159	61	135	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	502	S	S	432	34	72	63	S	S
Less than 50 lb	83	3	4	S	3	6	S	S	S
50 to 99 lb	10	—	—	S	S	S	S	S	S
100 to 499 lb	26	3	4	12	1	2	S	S	S
500 to 749 lb	S	S	S	S	—	1	S	S	S
750 to 999 lb	S	S	3	S	S	S	S	S	S
1,000 to 9,999 lb	71	17	24	82	6	12	S	S	S
10,000 to 49,999 lb	159	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in

1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

Item	1993	1997
1. Industry coverage	Manufacturers (minor exceptions) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses Auxiliaries (e.g., warehouses)
2. Commodity classification system	Standard Transportation Commodity Classification (STCC), developed by the American Association of Railroads (AAR).	Standard Classification of Transported Goods (SCTG).
3. Sample size	Approximately 200,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1992 Standard Statistical Establishment List (SSEL).	Approximately 100,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1995 Standard Statistical Establishment List (SSEL).
4. Survey methodology	Respondents took a sample of their individual outbound shipments for a 2-week period during each of the four calendar quarters of 1993. Respondents reported key characteristics for each sampled shipment.	Respondents took a sample of their individual outbound shipments for a 1-week period during each of the four calendar quarters of 1997. Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	For each shipment: Total value Total weight Major commodity (STCC) All modes of transportation Multiple origins (respondents specifically requested to report all shipment origins for the sampled establishment and report the appropriate origin for each shipment; assumed to always be the mailing address if no other origins listed). Destination Containerized (Y/N) Hazardous material (Y/N) Export (Y/N) If export, mode of export, foreign country, and city of destination.	For each shipment: Total value Total weight Major commodity (SCTG) All modes of transportation Single origin (assumed to be the mailing address unless the respondent provided a different physical location address). Destination Containerized (Y/N) Hazardous material (UN/NA codes) Export (Y/N) If export, mode of export, foreign country, and city of destination.

Appendix B. Reliability of the Estimates

An estimate based on a sample survey potentially contains two types of errors—sampling and nonsampling. Sampling error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The bias of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. Variance is the squared difference, averaged over all possible samples of the same size and design, between an estimator and its average value. Descriptions of sampling and nonsampling errors for the 1997 Commodity Flow Survey (CFS) are provided in the following sections.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of all the shipments made in 1997 from all establishments included on the CFS sampling frame is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling. (See Appendix C for a description of the sample design.)

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the

sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

An estimate of an unknown population value and its approximate standard error can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability, or confidence, of containing the unknown population value. If, for each possible sample, an estimate of an unknown population value and the estimate's approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the unknown population value.
2. For approximately 95 percent of the possible samples, the interval from two standard errors below to two standard errors above the estimate would include the unknown population value.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources: (1) nonresponse, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) other errors of collection, response, coverage, and processing. Although no direct measurement of the potential biases because of nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize its influence.

A potentially large source of bias in the estimates is due to nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all the selected establishments. Four levels of nonresponse can occur in the CFS: item, shipment, quarter (reporting week), and establishment. Item nonresponse

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been

returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

Some possible sources of bias that are attributed to respondent-conducted sampling include misunderstanding the definition of a shipment, constructing an incomplete frame of shipments from which to sample, ordering the shipment sampling frame by selected shipment characteristics, and selecting shipment records by a method other than the one specified in the questionnaire's instructions. We often contacted respondents who reported shipments having atypically large value or weight when compared to the rest of their reported shipments. Upon contact, if we are able to collect information on all of a given respondent's large shipments made either for a particular reporting week or for the entire quarter, then we identify these large shipments as certainty shipments. (See Appendix C for a description of how certainty shipments are used in the estimation process.)

Table B-1a. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	1.0	—	3.0	—	3.2	—	4.7
Single modes	1.0	.4	3.3	.5	3.1	.9	2.7
Truck	1.2	.4	4.6	1.2	1.9	1.3	3.1
For-hire truck	1.9	.6	9.0	1.9	2.1	1.1	4.1
Private truck	1.5	.4	3.7	1.3	3.7	.4	2.3
Rail	7.3	.5	5.6	.8	7.6	1.6	5.7
Water	6.6	—	8.6	.4	7.0	.9	S
Shallow draft	7.6	—	11.0	.4	8.3	.9	S
Great Lakes	25.3	—	19.3	.2	19.3	.4	13.4
Deep draft	S	S	S	S	S	S	23.2
Air (includes truck and air)	5.6	—	13.1	—	10.5	—	2.0
Pipeline	14.9	.1	16.0	.5	S	S	S
Multiple modes	2.8	.4	10.9	.3	12.3	.8	4.4
Parcel, U.S. Postal Service or courier	3.2	.3	3.4	—	6.0	—	4.4
Truck and rail	11.6	.2	21.3	.1	6.6	.2	6.1
Truck and water	29.9	—	32.8	.1	36.8	.3	16.8
Rail and water	21.6	—	20.5	.2	22.6	.8	12.1
Other multiple modes	36.2	—	25.6	—	35.3	.2	S
Other and unknown modes	10.0	.4	11.3	.4	13.5	.3	12.8

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Region: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	1.0	1.3	2.0	3.0	1.4	4.0	3.2	4.3	6.4	4.7	2.9	6.3
Single modes	1.0	1.4	2.0	3.3	1.4	4.3	3.1	4.4	6.4	2.7	5.7	6.2
Truck	1.2	1.2	2.0	4.6	2.1	6.3	1.9	4.0	5.4	3.1	4.0	5.1
For-hire truck	1.9	2.0	3.2	9.0	2.3	12.6	2.1	5.2	6.8	4.1	3.0	4.8
Private truck	1.5	2.1	2.9	3.7	3.2	5.7	3.7	3.6	5.9	2.3	2.3	3.2
Rail	7.3	5.4	13.4	5.6	5.1	8.7	7.6	7.1	12.7	5.7	3.9	7.0
Water	6.6	13.6	18.9	8.6	11.3	15.7	7.0	16.8	19.6	S	12.5	S
Shallow draft	7.6	16.2	22.3	11.0	15.1	20.1	8.3	19.1	22.6	S	13.8	S
Great Lakes	25.3	S	S	19.3	19.3	31.7	19.3	20.4	30.4	13.4	12.7	11.8
Deep draft	S	37.3	S	S	S	S	S	S	S	23.2	18.6	30.8
Air (includes truck and air)	5.6	13.5	14.2	13.1	37.3	43.9	10.5	29.8	35.7	2.0	2.9	3.6
Pipeline	14.9	14.6	26.9	16.0	15.3	24.0	S	S	S	S	S	S
Multiple modes	2.8	4.3	6.8	10.9	18.0	24.9	12.3	17.7	26.9	4.4	2.5	5.6
Parcel, U.S. Postal Service or courier	3.2	2.3	5.6	3.4	3.2	5.9	6.0	5.1	10.8	4.4	2.5	5.6
Truck and rail	11.6	19.4	23.7	21.3	11.6	43.9	6.6	12.0	22.4	6.1	3.3	7.6
Truck and water	29.9	44.5	13.4	32.8	48.2	22.8	36.8	46.1	24.5	16.8	20.9	38.8
Rail and water	21.6	30.5	54.2	20.5	35.3	66.3	22.6	34.9	74.9	12.1	22.3	54.6
Other multiple modes	36.2	S	S	25.6	30.8	57.3	35.3	33.3	44.2	S	22.6	S
Other and unknown modes ...	10.0	5.8	15.8	11.3	13.1	19.3	13.5	32.1	34.4	12.8	15.6	9.4

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1c. Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Region: Percent of Total 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes	.4	.4	.5	.5	.9	1.4
Truck	.4	.5	1.2	1.1	1.3	1.9
For-hire truck	.6	.5	1.9	.6	1.1	1.6
Private truck	.4	.7	1.3	1.0	.4	.5
Rail	.5	.3	.8	.8	1.6	1.5
Water	—	—	.4	.5	.9	1.9
Shallow draft	—	—	.4	.5	.9	1.9
Great Lakes	—	S	.2	.2	.4	.4
Deep draft	S	—	S	S	S	S
Air (includes truck and air)	—	.2	—	—	—	—
Pipeline	.1	.1	.5	.5	S	S
Multiple modes	.4	.4	.3	.5	.8	1.1
Parcel, U.S. Postal Service or courier	.3	.2	—	—	—	—
Truck and rail	.2	.4	.1	—	.2	.2
Truck and water	—	—	.1	.4	.3	.9
Rail and water	—	—	.2	.3	.8	.8
Other multiple modes	—	S	—	—	.2	.2
Other and unknown modes	.4	.2	.4	.5	.3	.8

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-2. Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	3.2	—	4.8
Truck	1.9	1.3	3.1
Rail	7.1	1.6	5.3
Shallow draft	8.4	.9	S
Great Lakes	14.7	.7	12.4
Deep draft	S	S	11.9
Air	10.5	—	2.0
Parcel, U.S. Postal Service or courier	6.0	—	4.4
Pipeline	S	S	S
Other and unknown modes	13.5	.3	12.8

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	1.0	—	3.0	—	3.2	—
Less than 50 miles	2.1	.5	5.0	1.1	5.1	.3
50 to 99 miles	2.6	.2	4.5	.3	4.3	.2
100 to 249 miles	2.0	.3	2.2	.3	2.8	.4
250 to 499 miles	2.5	.3	3.4	.4	4.5	.8
500 to 749 miles	1.8	.2	7.1	.4	8.0	1.2
750 to 999 miles	3.3	.2	7.5	.3	7.4	.9
1,000 to 1,499 miles	2.8	.2	8.2	.3	9.0	1.3
1,500 to 1,999 miles	3.2	.1	3.9	—	3.8	.3
2,000 miles or more	6.2	—	8.9	—	9.8	—
Single modes	1.0	—	3.3	—	3.1	—
Less than 50 miles	2.1	.5	5.4	1.1	5.4	.4
50 to 99 miles	2.8	.2	4.5	.4	4.3	.2
100 to 249 miles	2.1	.4	2.6	.4	3.0	.5
250 to 499 miles	2.7	.4	2.8	.4	3.3	.7
500 to 749 miles	2.4	.2	7.9	.4	8.9	1.3
750 to 999 miles	4.4	.2	7.7	.2	7.6	.9
1,000 to 1,499 miles	4.5	.2	8.9	.3	9.7	1.4
1,500 to 1,999 miles	2.9	.1	4.4	—	4.4	.3
2,000 miles or more	8.0	—	11.2	—	11.5	—
Truck	1.2	—	4.6	—	1.9	—
Less than 50 miles	2.1	.5	6.4	1.0	6.3	.6
50 to 99 miles	3.0	.3	5.9	.5	5.4	.4
100 to 249 miles	2.2	.4	2.6	.4	2.8	.5
250 to 499 miles	3.3	.4	3.2	.3	3.3	.7
500 to 749 miles	2.2	.2	2.4	.1	2.5	.4
750 to 999 miles	4.5	.2	9.4	.2	9.7	.8
1,000 to 1,499 miles	3.2	.2	4.6	—	4.8	.5
1,500 to 1,999 miles	3.2	—	5.5	—	5.6	.5
2,000 miles or more	7.5	—	9.8	—	9.9	—
For-hire truck	1.9	—	9.0	—	2.1	—
Less than 50 miles	4.7	.6	16.0	2.2	14.1	.7
50 to 99 miles	4.0	.3	10.0	.9	9.0	.4
100 to 249 miles	2.9	.5	2.6	.7	2.6	.4
250 to 499 miles	3.8	.6	3.6	.8	3.8	.7
500 to 749 miles	2.9	.3	3.0	.4	3.0	.5
750 to 999 miles	4.3	.3	6.1	.2	6.6	.6
1,000 to 1,499 miles	3.6	.3	5.0	.2	5.2	.6
1,500 to 1,999 miles	3.4	.2	4.3	—	4.4	.5
2,000 miles or more	8.3	—	9.6	—	9.7	—
Private truck	1.5	—	3.7	—	3.7	—
Less than 50 miles	2.1	.8	4.7	1.0	6.2	1.3
50 to 99 miles	3.8	.4	4.5	.6	4.4	.8
100 to 249 miles	3.6	.5	4.5	.5	4.4	1.0
250 to 499 miles	4.2	.3	6.8	.1	6.8	.9
500 to 749 miles	5.4	.2	9.4	—	8.9	.8
750 to 999 miles	8.6	.1	35.9	.2	34.7	2.1
1,000 to 1,499 miles	8.6	—	6.7	—	7.4	.3
1,500 to 1,999 miles	11.4	—	32.9	—	32.8	1.2
2,000 miles or more	27.8	—	31.4	—	32.1	.1
Rail	7.3	—	5.6	—	7.6	—
Less than 50 miles	18.5	1.1	16.7	2.4	17.3	.2
50 to 99 miles	12.7	.5	12.9	1.3	12.8	.3
100 to 249 miles	18.0	2.4	10.8	1.8	11.2	1.2
250 to 499 miles	9.9	1.2	8.7	1.8	8.7	1.5
500 to 749 miles	11.3	1.0	14.1	1.2	14.9	1.8
750 to 999 miles	16.5	1.0	15.2	1.0	14.6	1.4
1,000 to 1,499 miles	14.7	1.5	12.4	1.2	13.0	2.4
1,500 to 1,999 miles	10.5	.6	8.0	.1	8.2	.6
2,000 miles or more	26.6	.2	29.6	—	29.6	.1
Water	6.6	—	8.6	—	7.0	—
Less than 50 miles	29.4	3.2	22.4	1.7	27.7	—
50 to 99 miles	20.2	.5	25.6	.8	22.2	.1
100 to 249 miles	21.8	1.1	22.8	3.0	19.1	1.2
250 to 499 miles	18.6	2.4	16.3	2.9	15.4	1.9
500 to 749 miles	14.6	4.5	14.0	4.2	13.6	5.3
750 to 999 miles	15.1	3.6	16.6	2.4	17.0	3.4
1,000 to 1,499 miles	46.8	2.7	43.0	1.9	43.1	3.6
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Shallow draft	7.6	—	11.0	—	8.3	—
Less than 50 miles	39.7	2.9	30.9	2.0	29.7	—
50 to 99 miles	42.9	.4	35.7	1.2	29.5	.2
100 to 249 miles	27.0	1.6	32.1	2.8	26.4	1.1
250 to 499 miles	22.3	2.6	25.0	2.2	24.9	1.6
500 to 749 miles	15.9	5.1	14.2	4.1	14.1	5.2
750 to 999 miles	15.1	4.2	16.6	4.2	17.0	4.4
1,000 to 1,499 miles	46.8	2.8	43.0	2.7	43.1	4.1
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	25.3	—	19.3	—	19.3	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	16.8	3.0	38.4	1.8	34.4	.6
100 to 249 miles	31.1	5.2	26.8	4.3	26.3	4.6
250 to 499 miles	40.5	5.1	26.2	5.5	25.5	6.6
500 to 749 miles	S	S	47.0	6.0	45.9	7.9
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	5.6	—	13.1	—	10.5	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	21.7	1.1	22.3	1.0	31.0	.4
100 to 249 miles	15.0	1.5	31.7	3.6	25.3	1.3
250 to 499 miles	9.9	1.4	18.1	2.0	17.9	1.6
500 to 749 miles	15.3	2.3	16.6	2.2	16.1	2.0
750 to 999 miles	9.8	1.3	30.5	2.7	31.4	2.9
1,000 to 1,499 miles	13.8	2.1	14.3	2.0	16.2	2.4
1,500 to 1,999 miles	15.8	1.6	19.0	1.8	18.6	2.8
2,000 miles or more	12.9	.3	35.4	1.3	40.7	3.2
Pipeline	14.9	—	16.0	—	S	S
Less than 50 miles	13.7	5.4	15.4	5.1	S	S
50 to 99 miles	35.4	4.1	27.8	3.2	S	S
100 to 249 miles	27.5	4.1	26.9	4.3	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	2.8	—	10.9	—	12.3	—
Less than 50 miles	4.6	.7	22.0	1.1	36.9	.2
50 to 99 miles	4.0	.2	S	S	46.7	.8
100 to 249 miles	4.7	.4	14.9	2.6	17.0	1.4
250 to 499 miles	4.4	.5	16.4	3.6	19.5	3.9
500 to 749 miles	4.7	.5	19.5	2.8	19.2	2.7
750 to 999 miles	4.3	.4	30.4	2.0	30.5	3.0
1,000 to 1,499 miles	6.9	.7	10.9	.7	11.2	1.2
1,500 to 1,999 miles	6.4	.5	4.8	.9	4.8	1.9
2,000 miles or more	11.0	.1	21.5	.4	24.2	1.8
Parcel, U.S. Postal Service or courier	3.2	—	3.4	—	6.0	—
Less than 50 miles	4.3	.7	6.3	1.0	5.6	—
50 to 99 miles	3.9	.2	3.8	.3	4.0	—
100 to 249 miles	3.9	.6	3.2	.7	3.3	.3
250 to 499 miles	4.4	.4	4.6	.6	4.9	.5
500 to 749 miles	5.9	.5	6.7	.6	6.7	.6
750 to 999 miles	4.3	.3	9.1	.7	8.8	.8
1,000 to 1,499 miles	6.9	.6	9.4	.7	9.3	1.3
1,500 to 1,999 miles	9.9	.5	11.7	.5	12.0	1.1
2,000 miles or more	12.4	.1	15.2	.1	21.9	.7
Truck and rail	11.6	—	21.3	—	6.6	—
Less than 50 miles	31.3	.5	S	S	S	S
50 to 99 miles	36.4	.5	S	S	S	S
100 to 249 miles	25.5	.8	46.8	1.3	46.9	.9
250 to 499 miles	18.6	2.0	22.6	2.6	22.3	1.5
500 to 749 miles	14.4	1.8	9.1	1.5	9.1	.8
750 to 999 miles	14.3	1.0	13.0	1.4	12.7	1.2
1,000 to 1,499 miles	21.0	1.9	15.0	1.8	14.7	2.0
1,500 to 1,999 miles	12.9	2.6	5.5	2.8	5.5	2.7
2,000 miles or more	19.3	1.0	25.6	1.1	25.0	1.8
Truck and water	29.9	—	32.8	—	36.8	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	42.6	5.8	46.2	6.0
250 to 499 miles	S	S	41.4	11.8	39.3	10.3
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	25.8	11.3	S	S	S	S

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	21.6	—	20.5	—	22.6	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	38.2	5.9	39.1	6.1	42.6	5.3
250 to 499 miles	29.9	7.7	27.6	7.9	27.8	7.8
500 to 749 miles	27.3	7.6	27.7	7.4	27.7	7.8
750 to 999 miles	42.9	3.6	45.4	3.4	42.9	4.8
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	36.2	—	25.6	—	35.3	—
Less than 50 miles	34.7	9.2	35.0	10.0	S	S
50 to 99 miles	32.0	5.3	46.9	5.1	S	S
100 to 249 miles	S	S	29.2	10.2	30.7	10.0
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	42.1	—	42.9	4.8
Other and unknown modes	10.0	—	11.3	—	13.5	—
Less than 50 miles	9.6	2.6	14.7	4.6	11.1	1.8
50 to 99 miles	8.9	.7	16.6	.8	16.3	.4
100 to 249 miles	10.7	1.0	43.0	2.3	32.4	2.2
250 to 499 miles	16.0	.8	20.0	1.1	21.4	1.7
500 to 749 miles	18.7	.7	20.2	.4	19.5	1.8
750 to 999 miles	17.1	.5	22.4	.5	23.3	2.1
1,000 to 1,499 miles	29.4	1.7	26.3	2.3	26.7	4.9
1,500 to 1,999 miles	32.2	.8	26.5	.3	26.4	2.0
2,000 miles or more	22.7	.1	29.2	.2	29.2	1.7

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	1.0	—	3.0	—	3.2	—	4.7
Less than 50 lb	2.7	.2	4.0	—	7.4	—	4.8
50 to 99 lb	4.4	.1	3.2	—	5.1	—	4.8
100 to 499 lb	3.0	.2	3.4	—	3.4	—	3.9
500 to 749 lb	4.2	.1	3.1	—	12.0	—	8.8
750 to 999 lb	2.7	—	2.7	—	2.1	—	2.5
1,000 to 9,999 lb	2.4	.5	4.0	.3	3.1	.2	2.0
10,000 to 49,999 lb	1.8	.5	3.1	1.1	2.7	1.1	2.9
50,000 to 99,999 lb	7.6	.5	5.5	.8	4.5	.4	3.3
100,000 lb or more	4.2	.3	6.6	1.3	5.6	1.4	9.8
Single modes	1.0	—	3.3	—	3.1	—	2.7
Less than 50 lb	3.9	.1	5.8	—	6.9	—	6.2
50 to 99 lb	5.6	—	3.8	—	8.1	—	7.4
100 to 499 lb	2.6	.2	3.9	—	3.4	—	2.9
500 to 749 lb	4.5	.1	3.3	—	13.2	—	9.3
750 to 999 lb	2.7	—	3.0	—	2.1	—	2.7
1,000 to 9,999 lb	2.1	.5	4.2	.3	2.9	.2	2.1
10,000 to 49,999 lb	1.8	.5	3.2	1.2	2.8	1.1	3.1
50,000 to 99,999 lb	8.1	.6	5.6	.8	4.4	.4	3.2
100,000 lb or more	4.3	.3	7.8	1.4	5.5	1.4	10.0
Truck	1.2	—	4.6	—	1.9	—	3.1
Less than 50 lb	5.2	.1	6.2	—	8.3	—	9.1
50 to 99 lb	6.5	—	3.9	—	8.7	—	8.2
100 to 499 lb	2.7	.2	3.9	—	3.4	—	3.1
500 to 749 lb	4.6	.1	3.3	—	13.6	.1	9.5
750 to 999 lb	2.8	—	3.0	—	2.1	—	2.7
1,000 to 9,999 lb	2.0	.5	4.3	.5	3.2	.4	2.2
10,000 to 49,999 lb	1.7	.5	3.3	1.5	3.0	1.2	3.2
50,000 to 99,999 lb	6.6	.4	5.7	1.0	4.8	.6	3.3
100,000 lb or more	8.8	.1	26.6	1.9	13.3	.9	22.8
For-hire truck	1.9	—	9.0	—	2.1	—	4.1
Less than 50 lb	10.3	.1	12.7	—	12.2	—	13.9
50 to 99 lb	12.8	.1	10.3	—	12.1	—	7.0
100 to 499 lb	4.3	.2	5.2	—	4.0	—	3.2
500 to 749 lb	7.7	.2	6.3	—	16.7	.1	7.3
750 to 999 lb	4.2	—	3.5	—	3.0	—	2.8
1,000 to 9,999 lb	2.5	.6	6.1	.5	3.7	.5	2.6
10,000 to 49,999 lb	2.7	.8	3.9	1.9	2.9	1.4	3.5
50,000 to 99,999 lb	5.8	.3	7.1	1.3	5.4	.6	5.4
100,000 lb or more	12.0	.2	46.6	2.8	20.2	1.2	40.2
Private truck	1.5	—	3.7	—	3.7	—	2.3
Less than 50 lb	4.5	.2	7.0	—	7.5	—	6.4
50 to 99 lb	4.2	.1	4.7	—	3.4	—	3.2
100 to 499 lb	2.4	.3	4.6	—	3.3	—	3.9
500 to 749 lb	4.2	.1	3.9	—	4.0	—	4.0
750 to 999 lb	4.3	—	4.4	—	4.7	—	4.7
1,000 to 9,999 lb	2.2	.6	4.1	.6	3.3	.6	2.8
10,000 to 49,999 lb	2.8	.8	5.2	1.5	5.9	1.9	4.5
50,000 to 99,999 lb	10.5	.7	7.1	1.2	7.6	1.3	4.3
100,000 lb or more	13.3	.2	13.0	1.1	17.0	1.4	25.1
Rail	7.3	—	5.6	—	7.6	—	5.7
Less than 50 lb	S	S	S	S	S	S	27.8
50 to 99 lb	S	S	S	S	41.2	—	S
100 to 499 lb	39.6	—	43.5	—	31.8	—	S
500 to 749 lb	31.0	—	39.9	—	28.1	—	S
750 to 999 lb	40.4	—	34.5	—	35.2	—	20.9
1,000 to 9,999 lb	27.7	1.8	23.5	—	26.4	.1	10.1
10,000 to 49,999 lb	19.4	2.9	11.3	.2	11.6	.3	3.9
50,000 to 99,999 lb	22.4	3.1	10.4	.3	11.5	.4	6.1
100,000 lb or more	6.3	4.0	5.8	.4	7.9	.7	3.9
Water	6.6	—	8.6	—	7.0	—	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	22.1
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	6.8	1.3	8.7	.5	7.0	—	5.6
Shallow draft	7.6	—	11.0	—	8.3	—	S
Less than 50 lb	S	S	S	S	S	S	21.8
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	22.6
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	7.8	1.4	11.1	.6	8.3	—	6.6

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	25.3	—	19.3	—	19.3	—	13.4
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	22.4
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	25.3	—	19.3	—	19.3	—	13.2
Deep draft	S	S	S	S	S	S	23.2
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	22.4
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	21.8
Air (includes truck and air)	5.6	—	13.1	—	10.5	—	2.0
Less than 50 lb	9.0	2.0	8.3	1.1	9.5	1.2	2.0
50 to 99 lb	8.4	.7	11.2	.6	11.0	.7	3.6
100 to 499 lb	6.5	1.9	8.6	2.5	11.2	2.4	4.1
500 to 749 lb	11.2	.6	15.2	.7	19.0	1.0	6.9
750 to 999 lb	21.9	.4	22.3	.6	16.3	.5	11.9
1,000 to 9,999 lb	11.4	1.3	11.2	2.2	13.0	2.1	6.6
10,000 to 49,999 lb	33.3	3.0	28.0	4.8	27.9	4.6	16.4
50,000 to 99,999 lb	47.3	—	38.0	1.8	48.3	2.6	18.2
100,000 lb or more	S	S	S	S	47.2	.4	22.5
Pipeline	14.9	—	16.0	—	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	49.8	.5	S	S	S
50,000 to 99,999 lb	35.5	1.2	45.7	.2	S	S	S
100,000 lb or more	15.5	1.5	16.3	.6	S	S	S
Multiple modes	2.8	—	10.9	—	12.3	—	4.4
Less than 50 lb	2.9	1.4	5.4	1.0	8.9	.9	4.6
50 to 99 lb	5.7	.5	5.0	.3	6.8	.2	2.9
100 to 499 lb	7.5	.9	4.8	.5	8.1	.4	3.9
500 to 749 lb	12.2	.2	10.4	—	12.1	—	8.5
750 to 999 lb	18.0	.2	18.4	.1	13.9	—	14.6
1,000 to 9,999 lb	17.4	1.1	13.4	.9	15.6	1.0	12.8
10,000 to 49,999 lb	14.2	1.1	7.9	2.0	7.0	3.0	2.7
50,000 to 99,999 lb	S	S	25.0	.5	36.2	1.3	29.7
100,000 lb or more	21.7	.2	14.2	4.5	18.1	5.1	7.7
Parcel, U.S. Postal Service or courier	3.2	—	3.4	—	6.0	—	4.4
Less than 50 lb	2.9	1.2	5.4	1.4	8.9	2.2	4.6
50 to 99 lb	5.7	.5	5.0	.5	6.8	.8	3.0
100 to 499 lb	7.6	1.0	4.8	1.1	8.4	1.6	4.0
500 to 749 lb	12.1	.2	8.7	.4	11.2	.3	8.5
750 to 999 lb	19.1	.2	20.5	.6	14.1	.3	15.9
1,000 to 9,999 lb	31.1	—	26.6	.1	33.6	—	26.4
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	11.6	—	21.3	—	6.6	—	6.1
Less than 50 lb	S	S	26.9	—	31.2	—	12.1
50 to 99 lb	38.8	—	36.5	—	38.6	—	15.6
100 to 499 lb	43.0	.5	29.6	—	31.2	—	10.7
500 to 749 lb	41.3	—	S	S	S	S	14.0
750 to 999 lb	S	S	31.8	—	44.7	—	14.3
1,000 to 9,999 lb	19.1	5.4	17.8	2.4	16.8	1.9	10.3
10,000 to 49,999 lb	14.2	4.9	8.0	5.7	7.0	3.7	2.5
50,000 to 99,999 lb	S	S	32.9	1.8	33.1	1.2	26.2
100,000 lb or more	18.2	.6	S	S	19.1	3.2	12.0
Truck and water	29.9	—	32.8	—	36.8	—	16.8
Less than 50 lb	S	S	S	S	S	S	37.0
50 to 99 lb	S	S	S	S	S	S	21.9
100 to 499 lb	46.1	1.7	43.4	2.9	41.2	2.1	18.5
500 to 749 lb	48.7	.2	46.3	.2	S	S	22.1
750 to 999 lb	42.0	1.7	42.6	.8	48.6	1.4	20.2
1,000 to 9,999 lb	40.0	8.7	34.8	9.0	45.3	8.9	13.8
10,000 to 49,999 lb	45.7	7.2	S	S	S	S	23.4
50,000 to 99,999 lb	S	S	S	S	S	S	23.6
100,000 lb or more	41.9	11.3	33.7	14.1	40.6	13.5	26.8

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	21.6	—	20.5	—	22.6	—	12.1
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	22.4
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	S	S	S	S	S	S	22.4
100,000 lb or more	21.7	.7	20.5	.2	22.7	.5	12.3
Other multiple modes	36.2	—	25.6	—	35.3	—	S
Less than 50 lb	43.2	7.3	43.3	7.3	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	22.5
100 to 499 lb	43.0	.2	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	20.6
1,000 to 9,999 lb	39.6	9.6	40.7	11.0	S	S	S
10,000 to 49,999 lb	32.7	4.3	41.0	1.6	38.9	6.0	S
50,000 to 99,999 lb	S	S	S	S	S	S	22.3
100,000 lb or more	S	S	28.4	14.1	36.0	14.6	18.4
Other and unknown modes	10.0	—	11.3	—	13.5	—	12.8
Less than 50 lb	5.7	1.0	7.3	—	17.3	—	18.3
50 to 99 lb	7.5	.3	10.4	—	26.6	—	32.0
100 to 499 lb	7.0	.7	6.4	.2	15.3	.2	16.0
500 to 749 lb	18.0	.3	11.5	.1	17.2	—	13.4
750 to 999 lb	20.8	.3	14.6	—	19.6	—	17.2
1,000 to 9,999 lb	11.7	2.6	8.5	1.8	7.2	1.6	12.5
10,000 to 49,999 lb	8.1	1.8	11.6	3.5	19.8	4.3	11.8
50,000 to 99,999 lb	S	S	22.7	2.1	25.2	2.4	14.5
100,000 lb or more	12.2	1.0	17.1	6.5	22.9	5.4	26.4

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	1.0	—	3.0	—	3.2	—	4.7
01	Live animals and live fish	22.2	—	21.5	—	21.7	—	12.7
02	Cereal grains	6.4	.1	6.1	.7	9.5	1.5	13.3
03	Other agricultural products	10.0	.2	7.1	.2	11.5	.6	15.3
04	Animal feed and products of animal origin, n.e.c.	5.9	—	3.9	.1	4.9	.2	15.2
05	Meat, fish, seafood, and their preparations	7.1	.2	6.3	—	8.2	.2	17.8
06	Milled grain products and preparations, and bakery products	5.1	.1	6.9	.1	9.7	.3	23.3
07	Other prepared foodstuffs and fats and oils	3.6	.2	4.1	.2	6.2	.5	17.3
08	Alcoholic beverages	5.7	—	7.6	—	15.6	.1	5.8
09	Tobacco products	8.3	—	16.7	—	28.6	—	13.7
10	Monumental or building stone	27.5	—	28.0	—	23.7	—	47.6
11	Natural sands	21.3	—	22.3	.8	16.5	.2	19.2
12	Gravel and crushed stone	6.4	—	5.4	1.0	9.2	.5	11.9
13	Nonmetallic minerals n.e.c.	26.9	—	18.2	.4	16.0	.2	23.5
14	Metallic ores and concentrates	12.7	—	17.7	.4	24.1	1.1	10.9
15	Coal	11.1	—	10.5	.6	14.4	.5	17.1
17	Gasoline and aviation turbine fuel	13.4	.3	11.5	.7	18.4	.4	10.6
18	Fuel oils	8.1	—	9.0	.3	25.8	.2	10.6
19	Coal and petroleum products, n.e.c.	10.4	—	11.7	.4	16.2	.3	16.4
20	Basic chemicals	4.3	—	12.8	.2	17.7	.4	16.3
21	Pharmaceutical products	10.0	.3	11.2	—	16.9	—	7.6
22	Fertilizers	23.3	.1	27.5	.4	45.1	.3	21.5
23	Chemical products and preparations, n.e.c.	6.1	.2	8.6	—	6.0	.1	9.6
24	Plastics and rubber	3.9	.1	4.0	—	4.3	—	7.3
25	Logs and other wood in the rough	14.1	—	32.8	—	25.7	—	17.0
26	Wood products	5.7	—	12.3	.2	9.0	.1	12.1
27	Pulp, newsprint, paper, and paperboard	7.7	.1	27.7	.3	11.7	.3	13.4
28	Paper or paperboard articles	5.7	—	5.7	—	7.2	—	7.6
29	Printed products	5.7	.2	7.6	—	13.7	.2	9.5
30	Textiles, leather, and articles of textiles or leather	11.3	.2	13.1	—	21.7	—	3.6
31	Nonmetallic mineral products	2.0	—	31.9	1.8	14.7	.5	13.6
32	Base metal in primary or semifinished forms and in finished basic shapes	4.3	.2	9.3	.6	7.2	.5	9.6
33	Articles of base metal	5.7	.2	13.9	.2	22.0	.5	8.7
34	Machinery	3.3	.3	5.4	—	10.0	.2	4.5
35	Electronic and other electrical equipment and components and office equipment	4.8	.4	4.5	—	6.3	—	4.4
36	Motorized and other vehicles (including parts)	5.3	.8	6.9	.1	5.7	.2	9.2
37	Transportation equipment, n.e.c.	14.6	.1	14.9	—	20.3	—	4.8
38	Precision instruments and apparatus	5.0	—	7.5	—	8.7	—	5.5
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7.1	.1	10.6	—	16.3	—	8.8
40	Miscellaneous manufactured products	3.9	.2	4.6	—	9.7	.1	4.2
41	Waste and scrap	9.5	—	10.4	.2	9.1	.1	18.1
43	Mixed freight	8.0	.2	15.3	.1	46.8	.3	13.3
—	Commodity unknown	11.1	—	27.7	.1	40.8	.2	11.9

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	1.0	—	3.0	—	3.2	—	4.7
010	Live animals and live fish	22.2	—	21.5	—	21.7	—	12.7
021	Wheat	12.3	—	12.7	.3	19.3	.7	18.9
022	Corn, except sweet	6.0	—	5.8	.5	10.5	1.3	16.9
029	Other cereal grains	20.5	—	16.7	.2	27.2	.5	12.3
031	Fresh or chilled potatoes (Irish potatoes), except sweet	27.7	—	37.4	—	S	S	29.1
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	29.5	—	25.2	—	23.6	—	20.3
033	Fresh, chilled, or dried edible fruit and nuts	36.4	—	36.9	—	33.2	—	19.6
034	Soya beans	7.1	—	7.0	.2	12.2	.5	7.2
035	Oil seeds and nuts, except olives and soya beans	17.6	—	16.4	—	22.8	—	16.8
036	Bulbs, live plants, and seeds for sowing, n.e.c.	17.4	—	36.7	—	30.8	—	14.2
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	18.5	—	31.6	—	47.5	—	45.7
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	12.0	—	8.0	—	10.2	.2	10.2
042	Animal feed preparations	7.6	—	6.4	.1	9.2	.2	16.7
051	Meat including poultry, except preparations	7.5	.2	6.8	—	8.8	.2	16.0
052	Fish, except live, and seafood, except preparations	20.7	—	21.1	—	25.1	—	S
053	Preparations, extracts, and juices of meat, fish, or seafood	22.1	—	21.1	—	21.8	—	36.9
061	Wheat flour, groats, and meal	11.6	—	12.6	—	17.4	.2	14.6
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	10.2	—	14.9	—	17.2	.2	13.6
063	Food preparations of cereals, flour, starch, or milk	11.8	—	10.9	—	10.6	—	8.8
064	Bakery products	8.9	—	9.3	—	13.6	—	30.6
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	7.9	.1	10.1	—	8.8	—	43.5
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	8.3	—	8.8	—	12.0	—	9.2
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	19.2	—	24.5	—	32.5	—	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	8.3	—	9.3	—	12.4	.2	6.1
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	16.9	—	17.8	.1	16.7	.3	10.6
076	Confectionery, cocoa, and cocoa preparations	9.7	—	18.4	—	15.3	—	15.2
077	Edible preparations, n.e.c. and vinegar	9.7	.1	12.2	—	11.1	.1	10.9
078	Nonalcoholic beverages, n.e.c. and ice	8.7	—	9.8	.1	12.2	—	11.3
081	Malt Beer	7.2	—	9.0	—	25.1	—	7.4
082	Wine and other fermented beverages	21.0	—	15.5	—	20.0	—	10.4
083	Spirituos beverages and ethyl alcohol	11.0	—	16.1	—	27.3	.1	10.6
090	Tobacco products	8.3	—	16.7	—	28.6	—	13.7
100	Monumental or building stone, except dolomite	27.5	—	28.0	—	23.7	—	47.6
110	Natural sands, except metal-bearing	21.3	—	22.3	.8	16.5	.2	19.2
120	Gravel and crushed stone, except dolomite and slate	6.4	—	5.4	1.0	9.2	.5	11.9
131	Salt	S	S	26.1	—	26.1	—	21.7
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	25.8
133	Dolomite	32.1	—	29.7	.4	34.1	.1	S
139	Other nonmetallic minerals	12.7	—	12.4	—	14.5	—	17.8
141	Iron ores and concentrates	18.7	—	19.0	.4	24.5	1.1	13.9
149	Other metallic ores and concentrates	14.6	—	21.7	—	30.0	—	13.3
151	Nonagglomerated bituminous coal	12.3	—	12.6	.5	14.8	.5	18.5
159	Other coal	22.0	—	23.9	.3	27.1	—	S
171	Gasoline	14.0	.3	11.9	.7	16.3	.3	10.3
172	Aviation turbine fuel (types A and B)	30.6	—	31.2	.1	S	S	34.3
180	Fuel oils	8.1	—	9.0	.3	25.8	.2	10.6
191	Lubricating oils and greases	17.1	—	14.0	—	16.0	—	17.4
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	29.3	—	S	S	42.4	.1	31.3
193	Gaseous hydrocarbons	17.4	—	15.3	—	23.0	—	14.5
199	Other products of petroleum refining, and coal products	18.1	—	12.8	.3	21.8	.3	21.5
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	15.7	—	24.0	—	27.4	—	14.9
202	Inorganic chemicals, n.e.c.	8.3	—	16.3	.2	22.4	.4	30.0
203	Cyclic hydrocarbons	36.9	—	S	S	43.8	—	19.8
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	17.1	—	24.2	—	26.2	—	13.3
205	Organic chemicals, n.e.c.	11.3	—	16.1	—	18.8	—	12.3
210	Pharmaceutical products	10.0	.3	11.2	—	16.9	—	7.6
220	Fertilizers and fertilizer materials	23.3	.1	27.5	.4	45.1	.3	21.5
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	9.8	—	9.2	—	10.1	—	15.1
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	17.7	.1	16.1	—	18.6	—	21.7
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	9.5	—	14.3	—	9.4	.1	10.4
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	34.8	—	34.5	—	31.0	—	13.1
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	14.9	—	18.4	—	26.7	—	25.5
239	Other chemical products and preparations	8.1	—	9.6	—	11.7	—	13.5
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	10.3	—	10.6	—	12.7	—	8.0
242	Manmade fibers and plastics basic shapes and articles	4.3	.1	4.7	—	5.0	—	6.5

See footnotes at end of table.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	9.6	—	14.6	—	17.7	—	9.7
250	Logs and other wood in the rough	14.1	—	32.8	—	25.7	—	17.0
261	Wood chips or particles	21.1	—	35.9	.1	S	S	S
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	9.8	—	12.2	—	10.3	—	14.2
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	7.3	—	10.4	—	9.7	—	18.5
264	Builders' joinery and carpentry of wood, except shingles and shakes	13.0	—	16.0	—	11.6	—	10.8
269	Other wood products	12.1	—	14.5	—	24.7	—	11.3
271	Pulp of fibrous cellulosic materials	36.4	—	S	S	S	S	18.3
272	Newsprint in large rolls or sheets	31.5	—	27.8	—	42.9	—	20.6
273	Uncoated paper and paperboard in large rolls or sheets	7.1	—	13.0	—	16.3	.2	15.6
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	11.7	—	9.1	—	10.9	—	11.0
280	Paper or paperboard articles	5.7	—	5.7	—	7.2	—	7.6
291	Printed books, brochures, leaflets, and similar printed products	11.6	.2	16.6	—	30.3	.1	6.1
292	Newspapers, journals, and periodicals	9.0	—	13.4	—	20.6	—	23.1
293	Advertising material, commercial or trade catalogues, and similar printed products	7.6	—	13.0	—	14.6	—	7.8
299	Other printed products	7.7	—	10.0	—	15.6	—	6.7
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	14.9	—	36.4	—	38.9	—	8.6
302	Textile clothing and accessories, and headgear, except safety	19.2	.2	28.6	—	44.2	—	5.3
303	Textiles and textile articles, n.e.c.	14.2	—	10.8	—	15.0	—	8.0
304	Footwear	35.9	.1	S	S	S	S	5.0
305	Leather and articles, luggage of related materials, and dressed furskins and articles	10.3	—	17.8	—	25.1	—	6.0
311	Hydraulic cements	10.7	—	12.1	.1	23.9	.1	10.1
312	Ceramic products	11.1	—	36.3	.1	18.1	—	10.3
313	Glass and glass products	6.0	—	6.5	—	8.5	—	10.7
319	Other nonmetallic mineral products	5.4	—	38.4	1.8	22.1	.4	27.2
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	11.1	—	13.3	—	33.7	.3	9.8
322	Flat-rolled products of iron or steel	8.2	.2	13.2	.5	10.8	.4	7.7
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	11.5	.1	13.2	.1	12.5	.1	15.8
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	5.1	—	7.2	—	12.9	.1	10.1
331	Pipes, tubes, and fittings	9.2	—	31.3	.2	40.4	.5	8.1
332	Structures and parts, except prefabricated buildings	9.5	—	10.5	—	6.9	—	7.2
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	14.6	.2	18.1	—	22.2	—	9.0
339	Other articles of metal	6.3	—	8.2	—	9.4	—	8.7
341	Internal-combustion piston engines	9.0	.2	12.7	—	18.0	—	13.0
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	14.8	—	22.9	—	24.9	—	14.7
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	6.7	—	7.7	—	10.4	—	6.3
344	Air-conditioning, refrigerating, or freezing equipment	6.9	—	9.8	—	16.1	—	14.8
345	Materials-handling, excavating, boring, and related machinery and equipment	10.4	—	10.4	—	12.7	—	9.8
349	Other machinery	4.7	.2	7.2	—	15.1	.1	6.9
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	6.9	—	9.6	—	15.1	—	11.2
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	24.9	—	25.0	—	24.9	—	8.0
353	Line telephone or telegraph apparatus	14.8	—	17.8	—	21.1	—	10.6
354	Electronic entertainment products, except parts	12.8	—	16.0	—	23.4	—	8.2
355	Computer and office equipment	13.8	.2	14.7	—	19.4	—	6.5
356	Prepared unrecorded or prerecorded media	16.6	—	21.5	—	20.9	—	5.0
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	35.4	.2	24.8	—	34.8	—	7.1
358	Electronic components and parts	8.3	—	22.3	—	22.6	—	6.5
359	Other electronic and electrical equipment	6.9	.2	6.2	—	8.4	—	9.2
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	11.5	.7	19.2	.1	12.5	.2	10.4
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	15.0	—	12.8	—	18.8	—	18.1
363	Other vehicles	6.7	.1	5.6	—	6.7	—	9.0
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	5.8	.4	7.0	—	7.0	.1	11.9
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	16.3	—	17.3	—	19.0	—	6.1
372	Aircraft and spacecraft	21.8	.1	S	S	S	S	5.5
373	Ships, boats, and floating structures	12.2	—	44.6	—	41.3	—	7.5
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	19.4	—	28.7	—	21.5	—	10.8
382	Photographic and photocopying machines	12.3	—	23.7	—	35.8	—	15.3
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	22.1	—	31.4	—	44.9	—	13.5
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	10.3	—	10.2	—	15.0	—	6.2

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	9.5	—	16.2	—	14.9	—	8.0
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7.1	.1	10.6	—	16.3	—	8.8
401	Arms and ammunition	44.9	—	24.6	—	19.3	—	6.3
402	Toys, games, and sporting equipment	9.5	—	14.7	—	12.5	—	4.7
409	Miscellaneous manufactured products	4.6	.2	5.2	—	10.8	.1	5.0
411	Metallic waste and scrap	11.2	—	11.7	.2	11.1	.1	8.4
412	Nonmetallic waste and scrap, except from food processing	15.6	—	21.0	—	18.9	—	17.4
439	Mixed freight	8.0	.2	15.3	.1	46.8	.3	13.3
—	Commodity unknown	11.1	—	27.7	.1	40.8	.2	11.9

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	1.0	—	3.0	—	3.2	—	4.7
Single modes	1.0	.4	3.3	.5	3.1	.9	2.7
Truck	1.2	.4	4.6	1.2	1.9	1.3	3.1
For-hire truck	1.9	.6	9.0	1.9	2.1	1.1	4.1
Private truck	1.5	.4	3.7	1.3	3.7	.4	2.3
Rail	7.3	.5	5.6	.8	7.6	1.6	5.7
Water	6.6	—	8.6	.4	7.0	.9	S
Shallow draft	7.6	—	11.0	.4	8.3	.9	S
Great Lakes	25.3	—	19.3	.2	19.3	.4	13.4
Deep draft	S	S	S	S	S	S	23.2
Air (includes truck and air)	5.6	—	13.1	—	10.5	—	2.0
Pipeline	14.9	.1	16.0	.5	S	S	S
Multiple modes	2.8	.4	10.9	.3	12.3	.8	4.4
Parcel, U.S. Postal Service or courier	3.2	.3	3.4	—	6.0	—	4.4
Truck and rail	11.6	.2	21.3	.1	6.6	.2	6.1
Truck and water	29.9	—	32.8	.1	36.8	.3	16.8
Rail and water	21.6	—	20.5	.2	22.6	.8	12.1
Other multiple modes	36.2	—	25.6	—	35.3	.2	S
Other and unknown modes	10.0	.4	11.3	.4	13.5	.3	12.8
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	22.2	—	21.5	—	21.7	—	12.7
Single modes	22.6	1.2	21.9	1.1	22.2	1.4	13.4
Truck	22.7	1.3	21.9	1.1	22.2	1.5	13.0
For-hire truck	23.8	5.3	22.1	5.0	24.3	4.3	10.0
Private truck	38.8	5.1	41.3	5.1	41.5	4.1	18.4
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	20.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.3
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	47.4
SCTG 02, CEREAL GRAINS							
Total	6.4	—	6.1	—	9.5	—	13.3
Single modes	6.6	.6	6.2	.4	9.6	.8	13.8
Truck	8.7	2.3	8.3	2.6	12.3	.8	17.0
For-hire truck	11.4	2.3	11.7	2.7	14.2	.7	20.1
Private truck	11.9	1.6	12.1	1.8	18.1	.3	11.0
Rail	9.9	2.7	10.3	2.8	14.9	3.9	8.9
Water	10.6	1.4	10.3	1.3	10.0	3.9	2.8
Shallow draft	10.5	1.3	10.4	1.2	10.4	3.8	2.9
Great Lakes	36.7	.4	35.9	.3	S	S	20.6
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	S	S	S	S	S	S	S
Multiple modes	43.8	.5	S	S	S	S	16.5
Parcel, U.S. Postal Service or courier	45.9	—	44.7	—	41.5	—	17.5
Truck and rail	S	S	S	S	S	S	20.2
Truck and water	S	S	S	S	S	S	21.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	23.6	.4	26.7	.4	38.0	.7	S

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	10.0	—	7.1	—	11.5	—	15.3
Single modes	10.7	1.4	7.2	1.3	12.0	2.3	10.1
Truck	12.9	2.2	7.9	2.2	16.6	2.2	10.0
For-hire truck	5.9	1.4	6.9	1.5	17.9	1.3	35.8
Private truck	19.3	2.6	12.1	2.3	16.5	1.0	8.3
Rail	11.7	1.1	12.2	1.6	18.1	3.7	14.8
Water	10.6	1.1	10.8	1.3	13.1	2.6	3.9
Shallow draft	10.4	1.1	10.8	1.3	13.1	2.6	3.8
Great Lakes	S	S	S	S	2.3	—	22.4
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	39.9	.1	38.5	—	48.0	—	16.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	26.3	.8	34.7	.3	45.6	1.1	10.8
Parcel, U.S. Postal Service or courier	38.4	.8	42.2	—	42.4	.1	10.8
Truck and rail	S	S	S	S	36.3	.2	33.1
Truck and water	47.9	.2	48.4	.3	S	S	21.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	29.9	1.2	38.9	1.2	S	S	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	5.9	—	3.9	—	4.9	—	15.2
Single modes	6.0	.5	3.9	.4	5.2	1.3	13.1
Truck	5.9	1.0	4.6	1.2	7.8	2.4	13.8
For-hire truck	9.6	2.6	7.8	2.2	10.7	2.7	8.5
Private truck	7.6	2.6	8.0	2.5	10.3	1.4	11.3
Rail	10.8	.9	9.1	1.2	7.8	2.4	5.6
Water	42.6	.5	35.2	.8	36.3	2.5	16.8
Shallow draft	42.6	.5	35.2	.8	36.3	2.5	16.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	48.8	—	S	S	S	S	19.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	20.9	.4	21.2	.3	20.7	1.3	8.5
Parcel, U.S. Postal Service or courier	33.1	—	37.1	—	44.7	—	11.3
Truck and rail	23.5	.4	23.2	.2	23.8	1.1	7.3
Truck and water	S	S	S	S	S	S	22.4
Rail and water	41.9	—	39.7	.1	41.7	.6	19.3
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	16.9	.2	23.5	.3	41.2	.4	36.2
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	7.1	—	6.3	—	8.2	—	17.8
Single modes	7.2	.3	6.3	.4	8.3	.4	9.2
Truck	7.2	.6	6.4	.6	8.3	1.1	9.2
For-hire truck	8.8	1.6	8.0	1.8	9.0	1.7	3.0
Private truck	7.3	1.6	7.0	1.8	12.6	1.4	9.5
Rail	28.3	.3	28.6	.4	29.9	1.0	12.6
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	19.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	30.8	—	26.0	—	38.7	.2	12.0
Parcel, U.S. Postal Service or courier	44.1	—	45.4	—	S	S	13.5
Truck and rail	S	S	42.8	—	42.5	—	19.2
Truck and water	S	S	S	S	S	S	22.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	24.7	.3	26.2	.4	29.1	.4	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	5.1	—	6.9	—	9.7	—	23.3
Single modes	4.7	.7	6.8	.7	9.9	1.0	18.0
Truck	5.3	1.3	4.8	2.5	6.8	3.3	17.5
For-hire truck	8.9	2.7	5.9	2.1	7.7	3.1	5.7
Private truck	10.0	2.9	9.1	2.1	9.2	.7	17.0
Rail	12.2	1.2	13.3	2.5	13.7	3.4	3.3
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	19.5
Pipeline	48.4	—	47.8	—	S	S	S
Multiple modes	33.6	.6	23.7	.3	19.8	.7	11.8
Parcel, U.S. Postal Service or courier	S	S	44.4	—	41.9	—	12.4
Truck and rail	23.2	.3	24.4	.3	20.0	.6	10.5
Truck and water	S	S	S	S	S	S	22.4
Rail and water	S	S	S	S	S	S	21.9
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	40.7	.4	47.0	.7	36.7	.6	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	3.6	—	4.1	—	6.2	—	17.3
Single modes	3.7	.4	4.0	.3	6.1	.7	10.2
Truck	3.8	.6	3.7	1.6	3.8	3.3	10.5
For-hire truck	4.8	1.4	5.5	1.6	4.6	2.7	6.6
Private truck	4.4	1.1	5.2	1.9	6.4	1.0	9.1
Rail	9.9	.6	12.7	1.5	13.1	3.2	4.1
Water	43.7	.1	43.0	.3	40.9	.6	19.3
Shallow draft	43.7	.1	43.0	.3	40.9	.6	19.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	41.1	—	43.2	—	49.4	—	12.4
Pipeline	43.0	.1	43.0	.2	S	S	S
Multiple modes	10.8	.1	24.9	.3	20.4	.7	8.6
Parcel, U.S. Postal Service or courier	24.6	.1	18.1	—	20.5	—	10.0
Truck and rail	16.0	.1	25.8	.3	20.7	.7	6.9
Truck and water	S	S	S	S	S	S	21.9
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	20.1	.4	21.1	.3	29.3	.5	44.4
SCTG 08, ALCOHOLIC BEVERAGES							
Total	5.7	—	7.6	—	15.6	—	5.8
Single modes	6.0	1.0	7.7	1.2	15.8	1.2	5.6
Truck	6.1	1.9	7.7	2.1	16.7	6.9	5.6
For-hire truck	11.4	1.8	14.0	2.3	17.4	5.7	20.2
Private truck	6.8	2.6	7.9	3.4	22.8	3.1	5.5
Rail	27.7	1.8	22.9	1.9	30.6	6.8	13.3
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	20.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	41.6	.1	47.4	1.0	33.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.1
Truck and rail	S	S	42.4	.1	48.7	1.0	19.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	39.9	1.1	S	S	S	S	S

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	8.3	—	16.7	—	28.6	—	13.7
Single modes	8.5	.6	16.8	.7	26.9	4.7	13.4
Truck	8.5	.6	16.8	.7	26.9	4.7	13.4
For-hire truck	31.7	4.5	32.0	3.5	38.9	6.4	26.2
Private truck	7.9	4.5	17.5	3.5	23.3	8.5	7.1
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	32.1	.4	S	S	S	S	24.9
Parcel, U.S. Postal Service or courier	34.8	.4	33.8	.2	35.8	1.2	15.1
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	40.8	.4	44.2	.6	S	S	20.4
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	27.5	—	28.0	—	23.7	—	47.6
Single modes	27.2	2.0	28.5	1.4	23.8	.8	49.9
Truck	27.3	2.0	28.7	1.6	25.0	3.5	S
For-hire truck	31.9	8.1	S	S	25.5	8.5	19.1
Private truck	40.5	8.0	28.9	8.5	S	S	S
Rail	S	S	S	S	S	S	21.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	21.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.6
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 11, NATURAL SANDS							
Total	21.3	—	22.3	—	16.5	—	19.2
Single modes	21.7	1.1	22.5	1.1	16.5	1.2	19.2
Truck	24.0	2.7	23.2	1.6	21.9	6.2	18.9
For-hire truck	20.0	4.0	22.4	4.9	24.4	4.4	12.7
Private truck	30.9	4.2	27.3	5.1	31.3	6.0	29.6
Rail	27.4	2.4	21.2	1.2	24.7	5.9	13.9
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	40.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.7
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	37.3	1.1	49.4	1.1	46.5	1.1	43.6

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	6.4	—	5.4	—	9.2	—	11.9
Single modes	6.5	.9	5.6	.9	10.2	2.9	12.2
Truck	6.9	1.4	6.4	1.8	12.7	5.2	12.5
For-hire truck	12.9	3.1	12.2	3.5	13.2	3.4	7.9
Private truck	7.3	2.6	9.1	2.9	20.3	4.1	16.2
Rail	26.3	.6	28.8	.5	39.6	2.5	19.7
Water	18.2	.9	17.7	1.3	19.2	5.2	15.7
Shallow draft	31.7	.7	31.7	.9	36.1	5.5	20.5
Great Lakes	35.9	.9	34.1	1.4	35.0	4.8	18.6
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	31.7	.6	33.8	.6	32.0	2.8	17.9
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.1
Truck and rail	S	S	49.2	—	S	S	20.5
Truck and water	44.1	.3	43.1	.4	45.5	2.1	20.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	49.0	.3	49.6	.3	S	S	20.6
Other and unknown modes	43.0	.7	43.3	.7	43.6	.7	45.8
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	26.9	—	18.2	—	16.0	—	23.5
Single modes	26.6	2.0	18.7	1.4	16.1	2.5	33.6
Truck	29.6	3.8	20.6	4.1	13.7	6.2	24.9
For-hire truck	14.4	3.9	20.2	2.9	11.6	3.4	36.5
Private truck	44.3	4.9	22.5	3.7	22.9	3.3	15.6
Rail	24.7	2.1	45.1	2.1	31.0	5.2	11.4
Water	42.0	2.8	41.8	3.0	42.1	4.0	18.1
Shallow draft	—	—	—	—	—	—	—
Great Lakes	42.0	2.8	41.8	3.0	42.1	4.0	18.1
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.3
Pipeline	30.7	.2	30.8	—	S	S	S
Multiple modes	23.5	.5	S	S	S	S	13.9
Parcel, U.S. Postal Service or courier	31.0	.5	24.7	—	47.3	—	13.7
Truck and rail	39.4	—	46.5	.3	42.9	1.0	22.4
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	S	S	33.5	1.1	41.7	1.4	43.7
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	12.7	—	17.7	—	24.1	—	10.9
Single modes	20.3	6.8	30.4	9.3	38.6	10.6	17.2
Truck	14.9	4.0	22.9	1.5	S	S	17.0
For-hire truck	18.4	3.8	23.8	1.5	S	S	13.4
Private truck	27.6	1.9	25.7	—	28.8	.1	24.8
Rail	32.8	5.4	37.4	8.9	46.6	8.8	38.0
Water	S	S	S	S	S	S	21.2
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	21.2
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	S	S	S	S	S	S	21.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.3	6.8	28.1	9.4	29.4	10.6	19.3
Parcel, U.S. Postal Service or courier	43.1	1.4	46.3	—	44.3	—	16.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	28.5	7.3	28.1	9.4	29.4	10.6	15.9
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	11.1	—	10.5	—	14.4	—	17.1
Single modes	14.2	4.3	13.0	4.2	19.7	5.4	17.0
Truck	25.8	4.1	26.7	3.7	27.1	3.0	17.6
For-hire truck	25.0	3.9	26.3	3.6	23.8	2.9	22.7
Private truck	S	S	S	S	S	S	20.0
Rail	15.8	4.4	15.7	4.1	16.9	5.0	14.0
Water	S	S	S	S	S	S	19.3
Shallow draft	S	S	S	S	S	S	19.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.1	3.1	24.7	3.3	24.4	5.6	33.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	30.1
Rail and water	32.0	2.0	32.2	2.0	34.1	4.9	16.7
Other multiple modes	48.3	2.9	48.3	3.0	49.3	4.4	20.7
Other and unknown modes	25.2	4.9	21.6	5.3	43.5	1.6	S
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	13.4	—	11.5	—	18.4	—	10.6
Single modes	13.6	.5	11.5	.2	18.5	.2	9.8
Truck	17.6	2.8	14.7	3.1	15.1	7.0	9.3
For-hire truck	17.3	1.8	14.5	1.5	15.6	3.4	10.7
Private truck	18.7	2.8	15.9	2.9	16.2	4.4	11.6
Rail	S	S	S	S	S	S	20.0
Water	S	S	S	S	S	S	23.7
Shallow draft	S	S	S	S	S	S	23.8
Great Lakes	S	S	S	S	S	S	22.4
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	17.8	2.8	18.3	3.1	S	S	S
Multiple modes	38.1	.3	38.3	—	S	S	20.3
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	38.3	.3	38.6	—	S	S	20.9
Other and unknown modes	31.1	.3	30.7	.2	35.6	.2	S
SCTG 18, FUEL OILS							
Total	8.1	—	9.0	—	25.8	—	10.6
Single modes	8.7	1.3	9.4	.9	26.2	.7	11.1
Truck	7.9	3.6	7.8	4.0	13.8	6.5	11.4
For-hire truck	10.5	1.5	9.8	1.9	19.5	3.4	11.4
Private truck	8.2	3.0	8.4	3.1	12.3	4.2	12.3
Rail	S	S	S	S	S	S	18.9
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	18.9	3.3	20.8	3.8	S	S	S
Multiple modes	38.0	.7	37.3	.1	37.4	—	25.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	38.2	.7	37.4	.1	37.5	—	23.8
Other and unknown modes	44.0	1.1	39.3	.9	S	S	14.1

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	10.4	—	11.7	—	16.2	—	16.4
Single modes	10.7	.6	11.8	.6	16.5	1.1	9.3
Truck	10.3	3.1	11.5	4.6	13.5	4.9	10.3
For-hire truck	15.5	2.7	19.6	4.3	19.1	3.9	13.8
Private truck	9.9	3.0	13.5	5.1	11.9	2.4	9.0
Rail	24.9	3.3	25.2	4.7	22.3	5.0	24.4
Water	38.7	.5	44.3	.7	S	S	S
Shallow draft	48.0	.5	S	S	S	S	S
Great Lakes	S	S	S	S	S	S	21.6
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	40.0	—	37.9	—	18.9
Pipeline	47.3	2.4	40.4	1.8	S	S	S
Multiple modes	24.7	.4	37.3	—	40.8	.2	19.4
Parcel, U.S. Postal Service or courier	38.5	.3	28.0	—	40.5	—	17.2
Truck and rail	43.3	.1	42.2	—	S	S	20.0
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	49.9	.1	S	S	S	S	33.1
Other and unknown modes	30.6	.3	39.9	.5	S	S	47.8
SCTG 20, BASIC CHEMICALS							
Total	4.3	—	12.8	—	17.7	—	16.3
Single modes	4.5	1.0	13.1	.6	18.4	1.3	22.2
Truck	5.0	2.3	15.9	5.0	18.2	6.2	23.6
For-hire truck	6.8	2.7	15.4	3.1	20.9	5.4	5.9
Private truck	9.5	2.1	21.1	4.0	16.0	1.6	20.9
Rail	13.7	1.4	23.6	4.9	29.0	6.4	10.7
Water	S	S	45.4	1.9	S	S	21.2
Shallow draft	S	S	45.4	1.9	S	S	21.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	24.7	.5	S	S	S	S	10.5
Pipeline	35.5	.1	S	S	S	S	S
Multiple modes	15.1	.9	27.1	.5	28.8	1.3	16.2
Parcel, U.S. Postal Service or courier	17.5	.7	47.7	.1	23.7	—	16.4
Truck and rail	25.2	.5	32.7	.4	29.6	1.3	11.2
Truck and water	S	S	S	S	S	S	22.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	17.2	.2	23.1	.2	25.1	.2	S
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	10.0	—	11.2	—	16.9	—	7.6
Single modes	13.5	3.0	12.5	1.7	18.9	2.2	17.3
Truck	14.4	2.9	12.8	1.8	19.9	2.6	14.7
For-hire truck	21.5	3.4	19.4	3.4	25.0	3.8	8.7
Private truck	9.0	2.5	15.7	3.6	29.5	4.0	19.4
Rail	S	S	S	S	S	S	20.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	15.1	.6	22.2	.2	19.7	.4	5.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	9.7	2.8	10.2	1.5	11.6	1.9	5.9
Parcel, U.S. Postal Service or courier	9.6	2.8	10.4	1.5	12.1	1.9	5.9
Truck and rail	S	S	S	S	42.5	.2	25.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	36.4	.7	32.6	.3	31.5	.4	36.3

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	23.3	—	27.5	—	45.1	—	21.5
Single modes	22.6	1.4	26.2	1.3	42.2	1.3	18.1
Truck	17.6	2.8	21.1	3.2	33.0	5.2	18.2
For-hire truck	46.9	3.0	S	S	48.7	3.1	17.3
Private truck	14.9	4.7	14.6	5.1	10.5	3.5	19.2
Rail	S	S	S	S	S	S	11.0
Water	S	S	S	S	S	S	23.4
Shallow draft	S	S	S	S	S	S	23.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	13.8
Parcel, U.S. Postal Service or courier	S	S	38.7	—	47.4	—	13.8
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	38.9	1.3	45.1	1.2	S	S	31.9
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	6.1	—	8.6	—	6.0	—	9.6
Single modes	6.5	1.1	8.8	.9	6.0	2.2	9.0
Truck	6.6	1.2	8.9	.8	6.0	1.4	9.1
For-hire truck	7.4	2.3	10.1	1.7	6.3	1.7	7.4
Private truck	12.4	2.6	12.0	2.0	16.6	1.9	15.6
Rail	28.2	.7	15.1	.9	13.0	1.3	12.3
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	10.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	10.5	1.0	14.3	.7	17.2	2.1	8.7
Parcel, U.S. Postal Service or courier	16.0	.9	21.1	.2	14.5	.1	8.9
Truck and rail	23.1	1.0	17.4	.7	18.3	2.2	8.6
Truck and water	38.8	—	42.4	—	44.7	—	20.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	22.2	.3	33.9	.4	35.8	.6	38.5
SCTG 24, PLASTICS AND RUBBER							
Total	3.9	—	4.0	—	4.3	—	7.3
Single modes	4.2	.9	4.2	.7	4.1	1.7	6.1
Truck	4.2	1.0	4.3	1.3	4.6	2.3	5.4
For-hire truck	4.9	1.4	4.7	1.7	4.7	2.3	3.5
Private truck	6.5	1.2	6.9	.9	12.3	.7	9.3
Rail	11.3	.4	13.6	1.2	14.4	1.8	38.5
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	22.4
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	10.7	—	12.6	—	16.5	—	6.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	7.6	.7	14.5	.6	20.0	1.4	4.8
Parcel, U.S. Postal Service or courier	7.8	.7	11.7	.2	15.3	.4	4.8
Truck and rail	33.0	.4	27.0	.6	27.8	1.5	8.3
Truck and water	S	S	S	S	S	S	22.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	10.0	.3	9.7	.2	22.3	.5	11.3

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	14.1	—	32.8	—	25.7	—	17.0
Single modes	14.5	1.5	33.3	1.4	28.4	4.5	19.6
Truck	15.2	2.4	32.7	2.5	29.5	5.8	18.7
For-hire truck	17.4	5.9	39.2	6.8	32.8	7.1	29.5
Private truck	17.6	6.0	35.4	7.6	49.9	7.0	18.9
Rail	32.7	1.8	S	S	34.4	4.3	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	24.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.8
Truck and rail	S	S	S	S	S	S	20.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	29.8	.6	45.4	.5	47.1	1.0	S
SCTG 26, WOOD PRODUCTS							
Total	5.7	—	12.3	—	9.0	—	12.1
Single modes	5.9	.5	12.6	1.0	6.7	3.3	6.7
Truck	6.1	.6	13.2	1.7	8.0	4.4	7.0
For-hire truck	8.4	2.0	12.8	2.5	7.3	3.0	6.6
Private truck	6.3	2.0	14.5	2.3	11.8	2.1	8.7
Rail	17.5	.4	26.2	1.4	17.1	3.0	13.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	13.9	.4	29.3	.1	36.6	.9	7.7
Parcel, U.S. Postal Service or courier	17.7	.2	34.8	—	S	S	7.8
Truck and rail	28.9	.3	38.2	.1	42.9	.8	9.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	18.2	.4	36.2	1.1	S	S	34.2
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	7.7	—	27.7	—	11.7	—	13.4
Single modes	8.0	.8	28.1	.6	12.3	1.0	8.8
Truck	9.5	2.0	31.9	2.8	16.6	4.2	9.6
For-hire truck	11.1	2.1	36.8	3.6	17.3	4.2	8.3
Private truck	8.3	1.3	11.3	1.6	22.2	.7	9.1
Rail	11.8	1.6	10.3	2.1	10.7	3.7	4.6
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	30.7	.1	S	S	S	S	12.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	16.0	.7	21.2	.3	22.6	.8	16.6
Parcel, U.S. Postal Service or courier	17.3	.6	18.4	.1	27.1	.1	16.7
Truck and rail	27.0	.3	28.1	.3	25.4	.7	14.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	24.0
Other and unknown modes	19.5	.3	21.1	.3	25.5	.6	42.9

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	5.7	—	5.7	—	7.2	—	7.6
Single modes	5.7	1.0	5.7	.4	6.8	1.5	8.1
Truck	5.7	1.0	5.8	.5	7.1	1.8	7.9
For-hire truck	7.0	1.4	6.7	2.0	8.2	2.3	7.7
Private truck	5.3	1.4	9.1	2.0	8.5	1.0	6.0
Rail	36.5	.1	40.3	.3	41.0	1.1	18.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	43.7	—	S	S	9.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	14.4	.9	21.8	.3	33.5	1.3	5.9
Parcel, U.S. Postal Service or courier	15.8	.8	10.0	.1	12.7	.3	5.9
Truck and rail	30.0	.2	40.7	.2	45.3	1.3	10.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	21.2	.5	19.2	.3	28.7	.5	49.4
SCTG 29, PRINTED PRODUCTS							
Total	5.7	—	7.6	—	13.7	—	9.5
Single modes	8.6	2.2	8.5	1.2	16.0	1.8	22.2
Truck	8.1	2.1	8.5	1.2	16.0	1.9	22.6
For-hire truck	11.2	2.1	9.9	2.9	17.0	2.4	24.8
Private truck	8.2	1.7	13.7	2.8	16.8	.8	8.2
Rail	43.1	—	34.3	—	40.2	.2	18.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	30.6	.4	22.7	—	29.2	.3	4.7
Pipeline	—	—	—	—	S	S	S
Multiple modes	9.5	2.2	11.3	.9	16.0	1.7	8.0
Parcel, U.S. Postal Service or courier	9.8	2.2	12.8	.9	19.7	1.7	8.0
Truck and rail	40.8	.1	31.5	.2	27.9	.6	12.7
Truck and water	S	S	S	S	S	S	22.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	12.8	.8	18.7	.8	15.5	.7	21.3
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	11.3	—	13.1	—	21.7	—	3.6
Single modes	17.1	3.1	15.8	2.3	27.8	3.8	10.4
Truck	17.0	3.0	15.8	2.3	27.9	3.9	9.2
For-hire truck	21.6	3.5	20.3	3.6	28.5	4.2	5.3
Private truck	13.8	1.6	24.8	3.3	S	S	19.4
Rail	S	S	S	S	S	S	19.7
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	39.4	.2	32.8	—	28.0	—	13.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	8.7	3.0	6.9	2.0	10.1	3.6	2.8
Parcel, U.S. Postal Service or courier	9.0	3.1	7.0	1.9	10.6	3.6	2.8
Truck and rail	42.7	.4	35.3	.2	36.6	1.2	15.6
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	31.7	1.5	20.1	1.0	37.7	.9	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	2.0	—	31.9	—	14.7	—	13.6
Single modes	2.2	1.2	32.6	1.0	11.9	3.1	13.7
Truck	2.1	1.3	33.5	2.0	10.5	5.2	14.2
For-hire truck	4.1	1.9	S	S	14.2	3.8	13.4
Private truck	4.4	1.4	8.8	5.6	8.7	2.2	13.4
Rail	22.4	.3	27.9	.9	34.6	2.5	14.4
Water	38.3	.4	40.3	.8	43.1	2.4	19.2
Shallow draft	42.6	.2	42.9	.5	49.7	1.4	20.5
Great Lakes	S	S	S	S	S	S	20.6
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	26.3	—	45.9	—	49.5	.1	8.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	20.8	1.1	31.3	—	30.5	.7	8.0
Parcel, U.S. Postal Service or courier	24.8	1.1	23.4	—	24.5	.1	7.9
Truck and rail	33.8	.3	44.1	—	43.5	.7	12.9
Truck and water	S	S	S	S	S	S	21.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.1
Other and unknown modes	21.9	.5	43.4	1.0	S	S	29.7
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	4.3	—	9.3	—	7.2	—	9.6
Single modes	4.5	.5	9.8	.9	7.7	1.9	4.8
Truck	4.7	1.1	11.4	2.0	8.0	3.7	5.0
For-hire truck	5.0	1.2	13.6	2.1	8.5	3.3	4.1
Private truck	6.4	1.2	8.8	1.4	10.7	.9	7.1
Rail	11.2	.8	10.0	1.5	16.9	3.1	10.4
Water	S	S	S	S	S	S	38.2
Shallow draft	S	S	S	S	S	S	22.8
Great Lakes	S	S	S	S	S	S	22.4
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	27.6	—	38.4	—	32.7	—	6.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	22.1	.5	S	S	S	S	8.3
Parcel, U.S. Postal Service or courier	19.6	.2	20.6	—	14.3	—	8.6
Truck and rail	22.0	.2	26.1	—	22.0	.3	12.2
Truck and water	S	S	S	S	S	S	28.8
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	24.2
Other and unknown modes	15.7	.2	20.4	.5	20.2	.6	22.7
SCTG 33, ARTICLES OF BASE METAL							
Total	5.7	—	13.9	—	22.0	—	8.7
Single modes	4.7	2.4	15.0	1.1	24.4	2.3	4.8
Truck	4.8	2.4	15.6	1.7	27.8	3.7	5.1
For-hire truck	6.4	2.2	22.0	3.1	30.9	3.9	3.6
Private truck	6.1	1.5	8.8	2.2	9.6	1.1	6.0
Rail	30.8	.3	41.5	1.3	40.6	3.5	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	16.6	.1	31.5	—	21.7	.1	3.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.2	2.4	18.8	.6	23.0	1.1	7.4
Parcel, U.S. Postal Service or courier	24.8	2.4	25.2	.6	39.5	1.1	7.4
Truck and rail	19.1	—	37.3	.3	15.0	.3	18.1
Truck and water	S	S	S	S	S	S	20.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	23.5
Other and unknown modes	13.4	.4	19.2	.9	26.5	1.7	21.2

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	3.3	—	5.4	—	10.0	—	4.5
Single modes	3.1	1.3	5.4	1.0	9.6	2.3	9.6
Truck	3.3	1.4	5.5	1.1	8.9	2.2	11.4
For-hire truck	4.1	1.3	6.7	1.7	8.9	2.1	5.4
Private truck	4.6	.9	6.3	1.3	13.7	.7	9.5
Rail	28.6	.6	24.7	.7	26.8	1.1	S
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	22.4
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	8.8	.2	15.6	—	15.2	.1	4.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	11.2	1.1	18.5	.9	23.8	2.2	4.9
Parcel, U.S. Postal Service or courier	7.4	.6	9.8	.2	9.1	.3	4.9
Truck and rail	37.9	.7	26.2	.7	27.8	1.8	8.5
Truck and water	S	S	S	S	S	S	19.6
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	10.4	.3	15.2	.4	22.1	.4	27.4
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	4.8	—	4.5	—	6.3	—	4.4
Single modes	5.7	1.7	4.6	.7	6.6	1.4	6.7
Truck	6.4	1.9	4.8	.7	7.0	1.5	7.9
For-hire truck	7.9	2.2	5.5	2.1	7.8	1.9	5.6
Private truck	10.8	1.4	10.4	2.0	16.8	1.5	9.0
Rail	36.1	.2	21.5	.3	20.0	.7	19.9
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	9.7	.6	11.7	.1	12.5	.3	2.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	7.8	1.7	9.4	.7	13.7	1.4	3.5
Parcel, U.S. Postal Service or courier	8.2	1.7	10.4	.6	14.7	1.0	3.5
Truck and rail	24.2	.2	26.3	.5	24.5	1.2	7.4
Truck and water	S	S	S	S	S	S	30.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.5
Other and unknown modes	20.7	.6	16.9	.5	36.0	.7	19.8
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	5.3	—	6.9	—	5.7	—	9.2
Single modes	5.3	1.9	7.4	1.2	6.1	1.9	13.8
Truck	5.8	2.3	5.5	1.7	4.7	2.8	14.6
For-hire truck	7.5	2.2	6.5	1.2	4.6	2.4	4.9
Private truck	5.3	1.0	7.4	1.0	11.9	.6	18.6
Rail	14.0	2.3	16.8	1.8	13.1	2.8	4.2
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	23.9	.2	31.4	—	28.3	.1	5.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	13.2	1.6	13.2	.8	14.5	1.8	3.9
Parcel, U.S. Postal Service or courier	15.5	.5	14.2	.1	18.2	.2	4.0
Truck and rail	15.5	1.3	14.8	.7	15.8	1.7	6.4
Truck and water	S	S	S	S	S	S	21.9
Rail and water	S	S	S	S	S	S	21.8
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	21.3	1.7	15.0	.8	29.8	1.6	26.1

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	14.6	—	14.9	—	20.3	—	4.8
Single modes	15.5	2.7	15.3	.9	20.7	1.0	6.3
Truck	13.0	4.4	13.0	6.7	12.3	6.9	7.3
For-hire truck	18.3	3.5	15.3	5.0	17.4	4.7	5.2
Private truck	12.6	2.6	18.0	4.2	16.2	5.0	12.4
Rail	S	S	27.9	5.6	49.7	5.2	18.3
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	24.7	4.3	27.3	.3	30.6	.9	4.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	22.9	2.7	27.2	.4	30.2	.6	5.3
Parcel, U.S. Postal Service or courier	22.8	2.6	23.5	.3	22.4	.3	5.3
Truck and rail	S	S	S	S	S	S	21.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	30.9	.3	41.7	.6	49.9	.5	32.2
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	5.0	—	7.5	—	8.7	—	5.5
Single modes	7.1	2.5	9.6	3.1	10.0	3.5	7.3
Truck	8.6	2.4	9.9	3.1	10.5	3.8	17.4
For-hire truck	10.6	2.1	9.5	3.3	11.2	3.9	8.2
Private truck	12.5	1.3	29.3	3.0	26.3	1.1	26.2
Rail	S	S	S	S	S	S	46.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	16.9	1.8	12.6	.5	14.0	.8	4.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	7.1	2.6	12.1	2.9	15.8	3.3	7.0
Parcel, U.S. Postal Service or courier	7.1	2.6	12.5	2.9	16.6	3.4	7.0
Truck and rail	S	S	S	S	S	S	23.6
Truck and water	S	S	S	S	S	S	21.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	21.6	.8	33.7	1.2	S	S	22.7
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	7.1	—	10.6	—	16.3	—	8.8
Single modes	7.2	.8	10.7	1.0	16.0	1.5	7.5
Truck	7.2	.9	10.2	1.1	16.0	1.8	7.0
For-hire truck	7.5	1.9	10.7	2.5	17.0	2.6	4.8
Private truck	10.4	2.1	12.5	2.0	23.4	1.5	15.8
Rail	42.3	.3	S	S	44.1	.7	18.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	37.7	.2	S	S	S	S	10.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	11.9	.6	22.7	.5	31.7	1.2	7.4
Parcel, U.S. Postal Service or courier	13.1	.6	17.6	.5	22.0	1.0	7.5
Truck and rail	32.4	.2	47.1	.3	S	S	13.1
Truck and water	S	S	S	S	S	S	20.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	23.4	.5	34.9	.9	32.2	1.0	28.2

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	3.9	—	4.6	—	9.7	—	4.2
Single modes	5.2	1.5	4.8	.6	10.4	.9	5.5
Truck	5.1	1.4	4.6	.8	11.1	1.5	5.4
For-hire truck	7.3	1.9	7.6	3.0	9.4	3.6	3.5
Private truck	7.1	1.5	10.2	2.9	46.2	3.7	9.7
Rail	46.8	.6	49.4	.6	42.7	1.4	12.1
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	20.5	.3	15.5	—	15.7	.1	4.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	6.5	1.5	6.6	.4	7.3	.8	3.9
Parcel, U.S. Postal Service or courier	6.3	1.5	6.5	.4	7.6	.7	3.9
Truck and rail	34.5	.2	27.1	.1	22.8	.3	8.2
Truck and water	S	S	S	S	S	S	19.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.0
Other and unknown modes	15.3	.5	20.9	.5	19.2	.6	19.3
SCTG 41, WASTE AND SCRAP							
Total	9.5	—	10.4	—	9.1	—	18.1
Single modes	9.5	.4	10.4	.3	9.4	.7	10.1
Truck	10.5	1.7	12.8	2.7	14.1	3.5	10.4
For-hire truck	13.3	3.2	10.3	2.6	11.1	2.8	7.3
Private truck	15.8	3.0	19.8	4.0	31.7	3.2	14.8
Rail	12.0	1.7	12.3	2.7	11.3	4.1	12.0
Water	S	S	S	S	S	S	21.4
Shallow draft	S	S	S	S	S	S	21.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	26.5	.3	33.0	.3	26.1	.7	16.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.4
Truck and rail	26.4	.3	33.2	.3	26.1	.7	18.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	36.3
SCTG 43, MIXED FREIGHT							
Total	8.0	—	15.3	—	46.8	—	13.3
Single modes	8.8	2.8	16.5	2.4	49.5	2.6	9.1
Truck	8.7	2.8	16.6	2.4	49.8	2.7	8.7
For-hire truck	16.9	2.5	S	S	S	S	17.6
Private truck	10.6	3.6	12.4	4.6	10.9	8.4	9.2
Rail	S	S	S	S	S	S	25.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	16.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	36.8	1.1	42.7	.4	S	S	9.9
Parcel, U.S. Postal Service or courier	39.5	1.1	35.7	.3	48.3	1.2	9.9
Truck and rail	S	S	S	S	S	S	19.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	41.5	2.4	36.0	2.3	37.9	1.3	S

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	11.1	—	27.7	—	40.8	—	11.9
Single modes	12.6	3.4	27.9	.8	41.4	1.7	19.6
Truck	11.2	4.2	19.2	8.8	17.5	10.6	20.6
For-hire truck	15.0	4.6	19.5	7.0	19.4	7.7	9.1
Private truck	16.9	3.4	24.1	6.8	20.6	5.0	22.7
Rail	S	S	S	S	S	S	26.6
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	48.1	1.4	36.5	—	41.6	.1	17.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	28.8	2.9	28.8	.3	21.9	1.1	9.0
Parcel, U.S. Postal Service or courier	29.6	2.9	18.5	.3	24.7	1.1	9.0
Truck and rail	48.4	—	S	S	49.5	.4	35.2
Truck and water	S	S	S	S	S	S	22.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	36.7	1.9	33.4	.6	S	S	49.9

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	1.0	3.0	3.2
Less than 50 miles	2.1	5.0	5.1
50 to 99 miles	2.6	4.5	4.3
100 to 249 miles	2.0	2.2	2.8
250 to 499 miles	2.5	3.4	4.5
500 to 749 miles	1.8	7.1	8.0
750 to 999 miles	3.3	7.5	7.4
1,000 to 1,499 miles	2.8	8.2	9.0
1,500 to 1,999 miles	3.2	3.9	3.8
2,000 miles or more	6.2	8.9	9.8
SCTG 01, Live animals and live fish	22.2	21.5	21.7
Less than 50 miles	26.8	23.2	24.5
50 to 99 miles	S	S	S
100 to 249 miles	34.3	33.1	41.4
250 to 499 miles	34.0	35.0	36.0
500 to 749 miles	39.7	29.0	29.7
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	45.3	44.9
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	6.4	6.1	9.5
Less than 50 miles	10.1	10.1	11.3
50 to 99 miles	15.5	16.9	17.5
100 to 249 miles	13.1	14.0	15.7
250 to 499 miles	14.8	14.2	14.4
500 to 749 miles	12.7	21.9	22.3
750 to 999 miles	16.3	16.5	15.3
1,000 to 1,499 miles	18.2	18.4	19.3
1,500 to 1,999 miles	49.5	43.4	43.5
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	10.0	7.1	11.5
Less than 50 miles	10.0	10.3	12.7
50 to 99 miles	22.0	17.2	17.2
100 to 249 miles	22.3	20.7	21.9
250 to 499 miles	12.6	17.4	20.1
500 to 749 miles	19.4	21.7	23.0
750 to 999 miles	10.4	11.2	12.2
1,000 to 1,499 miles	25.7	31.9	33.2
1,500 to 1,999 miles	S	25.9	25.6
2,000 miles or more	45.1	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	5.9	3.9	4.9
Less than 50 miles	6.6	6.9	9.1
50 to 99 miles	15.6	11.2	11.2
100 to 249 miles	9.2	7.6	7.9
250 to 499 miles	9.2	9.2	8.1
500 to 749 miles	9.5	11.4	12.6
750 to 999 miles	13.3	11.4	11.6
1,000 to 1,499 miles	8.5	8.8	9.6
1,500 to 1,999 miles	39.1	24.6	25.4
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	7.1	6.3	8.2
Less than 50 miles	8.4	8.7	9.1
50 to 99 miles	11.0	12.0	11.1
100 to 249 miles	6.8	5.9	6.0
250 to 499 miles	8.4	8.7	9.0
500 to 749 miles	8.8	8.8	8.8
750 to 999 miles	11.3	10.3	10.2
1,000 to 1,499 miles	15.6	14.7	14.8
1,500 to 1,999 miles	12.9	11.8	12.3
2,000 miles or more	37.0	38.8	38.2
SCTG 06, Milled grain products and preparations, and bakery products	5.1	6.9	9.7
Less than 50 miles	7.8	8.8	16.8
50 to 99 miles	8.2	7.0	6.8
100 to 249 miles	7.4	14.7	15.3
250 to 499 miles	5.1	7.9	8.0
500 to 749 miles	9.5	14.3	16.6
750 to 999 miles	14.1	13.3	13.5
1,000 to 1,499 miles	9.1	13.8	13.8
1,500 to 1,999 miles	15.2	12.3	12.0
2,000 miles or more	25.0	23.4	30.6
SCTG 07, Other prepared foodstuffs and fats and oils	3.6	4.1	6.2
Less than 50 miles	6.0	5.3	4.7
50 to 99 miles	6.7	8.7	8.7
100 to 249 miles	5.2	5.6	5.3
250 to 499 miles	5.3	7.2	8.6
500 to 749 miles	5.6	7.1	7.9
750 to 999 miles	7.9	11.3	11.7
1,000 to 1,499 miles	6.0	10.8	12.2
1,500 to 1,999 miles	11.4	10.1	9.9
2,000 miles or more	19.5	28.5	28.3

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	5.7	7.6	15.6
Less than 50 miles	5.5	5.8	5.9
50 to 99 miles	13.7	17.7	18.6
100 to 249 miles	17.4	17.1	17.0
250 to 499 miles	21.1	24.3	24.4
500 to 749 miles	18.6	19.8	20.4
750 to 999 miles	42.4	37.3	37.0
1,000 to 1,499 miles	29.2	36.5	38.4
1,500 to 1,999 miles	25.0	39.1	38.7
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	8.3	16.7	28.6
Less than 50 miles	9.3	13.7	17.4
50 to 99 miles	10.2	25.8	25.0
100 to 249 miles	16.2	25.7	26.3
250 to 499 miles	37.1	31.6	31.2
500 to 749 miles	39.8	35.4	35.7
750 to 999 miles	S	49.9	S
1,000 to 1,499 miles	42.9	39.2	38.7
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	27.5	28.0	23.7
Less than 50 miles	37.2	36.6	31.7
50 to 99 miles	S	S	S
100 to 249 miles	S	43.6	40.8
250 to 499 miles	32.4	29.1	29.7
500 to 749 miles	35.7	29.1	29.3
750 to 999 miles	44.8	39.4	40.0
1,000 to 1,499 miles	48.0	38.1	40.5
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	21.3	22.3	16.5
Less than 50 miles	29.1	24.2	28.8
50 to 99 miles	15.8	20.0	20.1
100 to 249 miles	14.3	23.1	21.0
250 to 499 miles	18.2	30.4	30.1
500 to 749 miles	24.4	31.9	31.9
750 to 999 miles	18.4	S	S
1,000 to 1,499 miles	S	43.5	41.6
1,500 to 1,999 miles	36.0	33.7	35.8
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	6.4	5.4	9.2
Less than 50 miles	7.0	6.6	9.8
50 to 99 miles	12.0	12.5	13.1
100 to 249 miles	22.1	15.2	14.7
250 to 499 miles	15.7	23.7	22.1
500 to 749 miles	24.9	34.6	35.7
750 to 999 miles	35.3	48.9	48.0
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	26.9	18.2	16.0
Less than 50 miles	18.5	23.8	21.6
50 to 99 miles	S	24.0	25.8
100 to 249 miles	15.8	24.1	24.4
250 to 499 miles	18.6	27.8	28.0
500 to 749 miles	22.5	22.8	22.1
750 to 999 miles	15.8	18.9	19.6
1,000 to 1,499 miles	22.7	23.0	23.1
1,500 to 1,999 miles	45.8	34.8	34.3
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	12.7	17.7	24.1
Less than 50 miles	26.1	35.2	39.6
50 to 99 miles	23.9	43.6	43.0
100 to 249 miles	22.8	S	S
250 to 499 miles	20.6	26.9	27.9
500 to 749 miles	34.3	39.0	39.9
750 to 999 miles	48.6	S	S
1,000 to 1,499 miles	32.7	S	S
1,500 to 1,999 miles	45.5	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	11.1	10.5	14.4
Less than 50 miles	11.4	11.9	8.3
50 to 99 miles	25.0	25.3	24.6
100 to 249 miles	24.0	21.8	18.2
250 to 499 miles	20.8	23.9	20.9
500 to 749 miles	38.6	39.3	43.6
750 to 999 miles	31.9	30.8	30.5
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	13.4	11.5	18.4
Less than 50 miles	16.5	12.8	19.0
50 to 99 miles	19.7	20.7	20.7
100 to 249 miles	22.3	22.8	23.8
250 to 499 miles	S	S	49.9
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	8.1	9.0	25.8
Less than 50 miles	10.0	11.4	11.5
50 to 99 miles	13.3	14.0	14.0
100 to 249 miles	17.2	16.7	17.0
250 to 499 miles	36.1	37.8	38.9
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	10.4	11.7	16.2
Less than 50 miles	15.4	16.8	22.9
50 to 99 miles	19.2	16.4	13.2
100 to 249 miles	17.3	23.8	25.2
250 to 499 miles	12.6	26.0	24.3
500 to 749 miles	18.2	33.3	37.3
750 to 999 miles	17.3	18.6	18.7
1,000 to 1,499 miles	39.6	29.7	25.3
1,500 to 1,999 miles	20.3	S	S
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	4.3	12.8	17.7
Less than 50 miles	8.3	19.2	26.5
50 to 99 miles	7.9	18.9	20.5
100 to 249 miles	7.9	24.1	27.4
250 to 499 miles	10.0	28.1	29.4
500 to 749 miles	11.4	30.4	34.1
750 to 999 miles	10.0	28.2	30.1
1,000 to 1,499 miles	14.5	38.3	38.6
1,500 to 1,999 miles	14.6	14.7	14.4
2,000 miles or more	20.2	26.5	27.9
SCTG 21, Pharmaceutical products	10.0	11.2	16.9
Less than 50 miles	10.4	13.1	12.4
50 to 99 miles	9.1	14.9	14.8
100 to 249 miles	11.8	9.5	10.2
250 to 499 miles	26.4	17.3	16.7
500 to 749 miles	14.3	13.8	14.2
750 to 999 miles	27.2	S	S
1,000 to 1,499 miles	14.1	17.2	17.4
1,500 to 1,999 miles	20.3	24.0	24.0
2,000 miles or more	39.2	24.3	24.5
SCTG 22, Fertilizers	23.3	27.5	45.1
Less than 50 miles	15.6	17.9	26.1
50 to 99 miles	41.1	39.1	37.2
100 to 249 miles	42.1	48.5	S
250 to 499 miles	S	S	S
500 to 749 miles	43.9	43.2	39.1
750 to 999 miles	30.6	39.5	39.0
1,000 to 1,499 miles	34.2	26.6	27.8
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	6.1	8.6	6.0
Less than 50 miles	12.0	18.0	17.7
50 to 99 miles	9.8	12.3	13.4
100 to 249 miles	9.2	11.3	11.8
250 to 499 miles	8.0	7.9	7.6
500 to 749 miles	7.3	8.1	7.4
750 to 999 miles	12.9	11.9	12.3
1,000 to 1,499 miles	16.5	16.4	16.4
1,500 to 1,999 miles	16.5	11.4	11.7
2,000 miles or more	22.0	24.2	24.2
SCTG 24, Plastics and rubber	3.9	4.0	4.3
Less than 50 miles	5.7	6.4	9.3
50 to 99 miles	5.2	7.8	7.2
100 to 249 miles	7.2	7.9	7.4
250 to 499 miles	5.0	5.7	5.1
500 to 749 miles	6.3	7.0	7.7
750 to 999 miles	7.8	9.8	10.1
1,000 to 1,499 miles	12.9	16.6	17.7
1,500 to 1,999 miles	4.9	7.2	7.5
2,000 miles or more	16.3	23.2	23.9

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	14.1	32.8	25.7
Less than 50 miles	25.8	32.0	S
50 to 99 miles	31.3	49.2	S
100 to 249 miles	20.3	26.0	25.2
250 to 499 miles	24.7	S	S
500 to 749 miles	34.1	33.9	33.7
750 to 999 miles	47.4	S	S
1,000 to 1,499 miles	48.4	S	S
1,500 to 1,999 miles	45.8	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	5.7	12.3	9.0
Less than 50 miles	6.5	20.7	25.0
50 to 99 miles	9.2	16.0	13.7
100 to 249 miles	10.3	9.0	8.7
250 to 499 miles	9.6	9.0	9.4
500 to 749 miles	12.7	12.0	11.6
750 to 999 miles	17.8	15.1	14.7
1,000 to 1,499 miles	12.2	38.1	38.7
1,500 to 1,999 miles	11.5	12.9	13.6
2,000 miles or more	19.4	25.0	25.1
SCTG 27, Pulp, newsprint, paper, and paperboard	7.7	27.7	11.7
Less than 50 miles	9.4	13.3	16.4
50 to 99 miles	8.5	S	S
100 to 249 miles	10.0	10.9	11.4
250 to 499 miles	11.8	10.3	10.5
500 to 749 miles	12.4	10.6	10.9
750 to 999 miles	15.6	21.5	20.7
1,000 to 1,499 miles	12.7	12.0	11.9
1,500 to 1,999 miles	12.8	18.4	17.1
2,000 miles or more	31.8	33.4	33.3
SCTG 28, Paper or paperboard articles	5.7	5.7	7.2
Less than 50 miles	10.8	10.7	10.7
50 to 99 miles	5.0	6.2	6.5
100 to 249 miles	6.1	7.5	8.0
250 to 499 miles	7.5	8.1	7.9
500 to 749 miles	8.9	9.6	9.7
750 to 999 miles	8.1	14.4	14.6
1,000 to 1,499 miles	14.9	18.1	19.2
1,500 to 1,999 miles	12.8	13.3	13.4
2,000 miles or more	26.0	25.1	25.4
SCTG 29, Printed products	5.7	7.6	13.7
Less than 50 miles	5.7	10.6	9.1
50 to 99 miles	10.4	12.9	13.4
100 to 249 miles	5.0	6.2	5.7
250 to 499 miles	6.0	8.7	9.9
500 to 749 miles	8.7	12.2	12.2
750 to 999 miles	9.6	12.7	13.7
1,000 to 1,499 miles	17.9	40.4	39.0
1,500 to 1,999 miles	26.4	18.0	18.5
2,000 miles or more	20.8	25.0	35.5
SCTG 30, Textiles, leather, and articles of textiles or leather	11.3	13.1	21.7
Less than 50 miles	13.0	9.8	11.6
50 to 99 miles	11.9	14.2	13.4
100 to 249 miles	17.9	25.4	28.5
250 to 499 miles	14.8	14.2	14.7
500 to 749 miles	13.8	17.7	17.2
750 to 999 miles	11.5	14.0	14.3
1,000 to 1,499 miles	21.5	39.3	41.9
1,500 to 1,999 miles	15.2	S	S
2,000 miles or more	30.7	35.5	36.9
SCTG 31, Nonmetallic mineral products	2.0	31.9	14.7
Less than 50 miles	5.3	41.2	47.4
50 to 99 miles	7.2	9.2	10.2
100 to 249 miles	6.2	7.6	8.7
250 to 499 miles	7.4	14.0	15.3
500 to 749 miles	7.4	12.9	14.4
750 to 999 miles	8.5	21.6	24.3
1,000 to 1,499 miles	12.9	S	S
1,500 to 1,999 miles	21.0	26.5	25.7
2,000 miles or more	19.5	30.0	29.0
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	4.3	9.3	7.2
Less than 50 miles	5.2	18.2	6.1
50 to 99 miles	6.3	14.5	11.9
100 to 249 miles	5.8	6.8	8.7
250 to 499 miles	7.6	10.7	11.1
500 to 749 miles	5.8	10.9	11.4
750 to 999 miles	10.9	20.9	22.8
1,000 to 1,499 miles	9.1	28.2	30.6
1,500 to 1,999 miles	16.4	18.2	18.5
2,000 miles or more	16.6	25.2	24.7

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	5.7	13.9	22.0
Less than 50 miles	5.9	9.8	14.9
50 to 99 miles	10.2	9.8	9.7
100 to 249 miles	5.0	8.9	10.4
250 to 499 miles	8.1	12.9	13.3
500 to 749 miles	12.2	22.6	22.4
750 to 999 miles	7.4	S	S
1,000 to 1,499 miles	9.0	24.9	25.6
1,500 to 1,999 miles	33.1	12.6	12.3
2,000 miles or more	27.4	30.3	30.8
SCTG 34, Machinery	3.3	5.4	10.0
Less than 50 miles	5.2	4.3	5.8
50 to 99 miles	5.5	15.8	16.4
100 to 249 miles	8.7	11.0	10.1
250 to 499 miles	5.3	5.9	5.9
500 to 749 miles	4.8	6.1	5.9
750 to 999 miles	6.3	9.7	11.6
1,000 to 1,499 miles	12.1	16.7	15.2
1,500 to 1,999 miles	16.0	23.5	25.0
2,000 miles or more	33.5	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	4.8	4.5	6.3
Less than 50 miles	6.7	7.7	8.9
50 to 99 miles	7.8	9.7	9.7
100 to 249 miles	10.3	6.2	6.4
250 to 499 miles	7.8	10.1	10.1
500 to 749 miles	6.2	5.1	4.8
750 to 999 miles	11.7	6.3	6.2
1,000 to 1,499 miles	8.0	11.5	11.9
1,500 to 1,999 miles	7.5	15.3	14.8
2,000 miles or more	14.7	21.1	19.4
SCTG 36, Motorized and other vehicles (including parts)	5.3	6.9	5.7
Less than 50 miles	9.3	11.8	8.7
50 to 99 miles	8.5	8.0	6.8
100 to 249 miles	8.3	15.1	16.8
250 to 499 miles	7.9	6.6	8.3
500 to 749 miles	7.1	6.8	6.7
750 to 999 miles	12.6	17.3	17.0
1,000 to 1,499 miles	8.2	6.5	7.3
1,500 to 1,999 miles	12.2	12.2	11.9
2,000 miles or more	15.9	29.7	29.5
SCTG 37, Transportation equipment, n.e.c.	14.6	14.9	20.3
Less than 50 miles	25.2	31.4	40.1
50 to 99 miles	32.8	30.1	31.7
100 to 249 miles	18.4	31.8	37.1
250 to 499 miles	12.5	19.7	20.0
500 to 749 miles	17.0	37.0	43.4
750 to 999 miles	18.6	24.1	22.4
1,000 to 1,499 miles	44.6	46.6	S
1,500 to 1,999 miles	30.5	19.7	20.3
2,000 miles or more	41.3	S	S
SCTG 38, Precision instruments and apparatus	5.0	7.5	8.7
Less than 50 miles	13.4	20.6	28.0
50 to 99 miles	13.4	24.1	22.1
100 to 249 miles	11.3	11.3	11.6
250 to 499 miles	7.1	17.1	16.6
500 to 749 miles	5.8	13.5	13.5
750 to 999 miles	8.3	17.7	18.1
1,000 to 1,499 miles	10.1	17.5	17.6
1,500 to 1,999 miles	10.9	14.8	14.6
2,000 miles or more	21.6	26.0	24.7
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7.1	10.6	16.3
Less than 50 miles	8.0	13.0	16.4
50 to 99 miles	12.3	15.8	17.1
100 to 249 miles	10.4	13.2	14.7
250 to 499 miles	7.7	11.1	11.0
500 to 749 miles	11.3	14.4	13.8
750 to 999 miles	12.3	18.6	18.8
1,000 to 1,499 miles	15.7	17.3	17.9
1,500 to 1,999 miles	12.3	31.1	32.3
2,000 miles or more	48.2	38.6	45.1
SCTG 40, Miscellaneous manufactured products	3.9	4.6	9.7
Less than 50 miles	7.8	12.5	11.6
50 to 99 miles	11.6	16.7	18.8
100 to 249 miles	7.9	5.8	6.1
250 to 499 miles	3.6	5.7	5.6
500 to 749 miles	5.9	7.7	7.8
750 to 999 miles	6.0	12.3	12.1
1,000 to 1,499 miles	6.5	12.1	13.6
1,500 to 1,999 miles	9.8	33.1	32.8
2,000 miles or more	13.7	25.8	24.8

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	9.5	10.4	9.1
Less than 50 miles	13.5	15.4	19.5
50 to 99 miles	14.9	15.2	14.5
100 to 249 miles	19.6	12.1	12.8
250 to 499 miles	11.8	16.2	16.7
500 to 749 miles	14.3	20.9	20.4
750 to 999 miles	24.7	25.5	25.5
1,000 to 1,499 miles	30.5	20.2	20.1
1,500 to 1,999 miles	33.7	29.4	29.0
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	8.0	15.3	46.8
Less than 50 miles	9.0	10.3	10.5
50 to 99 miles	13.8	18.7	17.5
100 to 249 miles	12.3	13.6	13.6
250 to 499 miles	31.8	S	S
500 to 749 miles	22.2	S	S
750 to 999 miles	31.8	S	S
1,000 to 1,499 miles	28.2	S	S
1,500 to 1,999 miles	28.9	S	S
2,000 miles or more	S	S	S
Commodity unknown	11.1	27.7	40.8
Less than 50 miles	14.1	24.6	23.1
50 to 99 miles	21.3	33.8	32.5
100 to 249 miles	25.3	S	S
250 to 499 miles	22.1	S	S
500 to 749 miles	27.2	31.8	33.9
750 to 999 miles	15.5	28.5	29.8
1,000 to 1,499 miles	20.8	S	S
1,500 to 1,999 miles	30.5	38.7	37.4
2,000 miles or more	48.6	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	1.0	3.0	3.2
Less than 50 lb	2.7	4.0	7.4
50 to 99 lb	4.4	3.2	5.1
100 to 499 lb	3.0	3.4	3.4
500 to 749 lb	4.2	3.1	12.0
750 to 999 lb	2.7	2.7	2.1
1,000 to 9,999 lb	2.4	4.0	3.1
10,000 to 49,999 lb	1.8	3.1	2.7
50,000 to 99,999 lb	7.6	5.5	4.5
100,000 lb or more	4.2	6.6	5.6
SCTG 01, Live animals and live fish	22.2	21.5	21.7
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	39.5	47.0
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	29.0	27.0	23.4
50,000 to 99,999 lb	25.6	27.8	20.3
100,000 lb or more	33.0	40.1	S
SCTG 02, Cereal grains	6.4	6.1	9.5
Less than 50 lb	23.5	26.3	37.3
50 to 99 lb	S	31.6	41.7
100 to 499 lb	18.0	17.3	17.1
500 to 749 lb	33.1	19.9	28.0
750 to 999 lb	33.0	23.7	26.8
1,000 to 9,999 lb	26.8	12.1	27.6
10,000 to 49,999 lb	22.1	11.5	24.3
50,000 to 99,999 lb	9.4	9.7	9.7
100,000 lb or more	7.5	7.9	10.0
SCTG 03, Other agricultural products	10.0	7.1	11.5
Less than 50 lb	23.8	28.3	42.8
50 to 99 lb	18.9	38.2	21.4
100 to 499 lb	11.8	20.2	15.4
500 to 749 lb	17.0	23.4	18.6
750 to 999 lb	30.5	20.5	22.6
1,000 to 9,999 lb	9.0	10.8	11.4
10,000 to 49,999 lb	30.5	19.7	31.0
50,000 to 99,999 lb	8.1	7.6	10.7
100,000 lb or more	11.8	11.8	12.7
SCTG 04, Animal feed and products of animal origin, n.e.c.	5.9	3.9	4.9
Less than 50 lb	13.5	13.1	28.0
50 to 99 lb	12.0	11.5	16.3
100 to 499 lb	14.8	13.2	23.1
500 to 749 lb	25.6	15.8	31.8
750 to 999 lb	31.0	20.2	26.3
1,000 to 9,999 lb	9.9	9.2	17.7
10,000 to 49,999 lb	8.0	6.0	8.1
50,000 to 99,999 lb	8.8	11.1	12.8
100,000 lb or more	10.7	7.7	7.5
SCTG 05, Meat, fish, seafood, and their preparations	7.1	6.3	8.2
Less than 50 lb	25.0	19.8	31.0
50 to 99 lb	31.5	22.7	20.6
100 to 499 lb	15.8	12.4	8.4
500 to 749 lb	8.3	11.2	8.8
750 to 999 lb	8.6	10.0	10.0
1,000 to 9,999 lb	9.0	8.6	8.1
10,000 to 49,999 lb	7.6	7.2	9.7
50,000 to 99,999 lb	19.5	19.2	36.8
100,000 lb or more	22.3	20.2	22.7
SCTG 06, Milled grain products and preparations, and bakery products	5.1	6.9	9.7
Less than 50 lb	43.6	19.6	43.6
50 to 99 lb	18.5	23.3	18.3
100 to 499 lb	21.7	22.0	15.8
500 to 749 lb	17.2	15.4	12.2
750 to 999 lb	19.7	13.9	17.0
1,000 to 9,999 lb	13.1	13.4	15.9
10,000 to 49,999 lb	7.2	6.0	7.4
50,000 to 99,999 lb	18.8	19.0	16.1
100,000 lb or more	12.4	14.9	16.6
SCTG 07, Other prepared foodstuffs and fats and oils	3.6	4.1	6.2
Less than 50 lb	16.2	12.3	22.9
50 to 99 lb	14.2	11.1	13.6
100 to 499 lb	6.6	10.5	8.2
500 to 749 lb	6.5	12.3	8.7
750 to 999 lb	12.5	12.8	17.8
1,000 to 9,999 lb	7.0	7.7	6.5
10,000 to 49,999 lb	4.1	4.2	4.1
50,000 to 99,999 lb	7.1	7.9	11.1
100,000 lb or more	9.3	11.6	13.4

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	5.7	7.6	15.6
Less than 50 lb	10.2	7.6	12.1
50 to 99 lb	12.2	8.1	11.1
100 to 499 lb	5.8	5.2	6.3
500 to 749 lb	6.8	6.7	6.9
750 to 999 lb	9.5	7.4	7.5
1,000 to 9,999 lb	8.4	6.9	7.3
10,000 to 49,999 lb	16.7	18.4	21.1
50,000 to 99,999 lb	18.8	17.1	23.4
100,000 lb or more	23.6	21.2	31.4
SCTG 09, Tobacco products	8.3	16.7	28.6
Less than 50 lb	11.4	10.1	12.9
50 to 99 lb	10.8	10.0	21.0
100 to 499 lb	8.9	6.9	20.5
500 to 749 lb	18.2	17.0	30.6
750 to 999 lb	20.8	25.2	34.4
1,000 to 9,999 lb	17.4	24.2	39.8
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	27.5	28.0	23.7
Less than 50 lb	33.3	32.9	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	35.8	41.2	42.5
750 to 999 lb	44.0	49.7	S
1,000 to 9,999 lb	31.3	33.1	31.6
10,000 to 49,999 lb	36.5	41.1	29.6
50,000 to 99,999 lb	49.1	38.1	29.5
100,000 lb or more	S	44.3	47.8
SCTG 11, Natural sands	21.3	22.3	16.5
Less than 50 lb	S	S	S
50 to 99 lb	40.7	46.3	41.6
100 to 499 lb	S	26.7	26.7
500 to 749 lb	S	31.7	30.4
750 to 999 lb	S	32.4	39.8
1,000 to 9,999 lb	39.8	15.6	27.5
10,000 to 49,999 lb	27.5	28.3	30.3
50,000 to 99,999 lb	24.0	28.4	25.0
100,000 lb or more	23.2	35.9	22.7
SCTG 12, Gravel and crushed stone	6.4	5.4	9.2
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	49.3	23.4	S
500 to 749 lb	S	23.6	S
750 to 999 lb	S	45.5	43.3
1,000 to 9,999 lb	49.4	13.0	21.7
10,000 to 49,999 lb	6.8	7.9	16.7
50,000 to 99,999 lb	12.2	9.2	10.3
100,000 lb or more	11.0	12.5	13.8
SCTG 13, Nonmetallic minerals n.e.c.	26.9	18.2	16.0
Less than 50 lb	31.8	24.0	S
50 to 99 lb	25.1	28.2	46.7
100 to 499 lb	39.0	25.3	36.9
500 to 749 lb	30.5	S	S
750 to 999 lb	39.3	32.8	48.0
1,000 to 9,999 lb	22.9	20.9	22.0
10,000 to 49,999 lb	35.4	29.8	14.6
50,000 to 99,999 lb	32.8	22.4	16.5
100,000 lb or more	15.4	17.1	21.3
SCTG 14, Metallic ores and concentrates	12.7	17.7	24.1
Less than 50 lb	40.9	42.1	S
50 to 99 lb	34.2	26.7	45.3
100 to 499 lb	33.9	27.1	36.4
500 to 749 lb	25.7	19.9	28.4
750 to 999 lb	42.1	32.9	46.2
1,000 to 9,999 lb	29.7	37.8	31.1
10,000 to 49,999 lb	15.1	18.3	33.7
50,000 to 99,999 lb	41.6	S	S
100,000 lb or more	15.8	18.1	24.1
SCTG 15, Coal	11.1	10.5	14.4
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	34.4	48.5
10,000 to 49,999 lb	23.8	29.6	22.3
50,000 to 99,999 lb	31.0	32.0	34.1
100,000 lb or more	11.8	11.3	15.3

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	13.4	11.5	18.4
Less than 50 lb	30.6	31.9	S
50 to 99 lb	39.0	38.5	S
100 to 499 lb	S	17.7	21.2
500 to 749 lb	19.9	17.3	15.1
750 to 999 lb	25.5	22.3	25.6
1,000 to 9,999 lb	16.8	12.2	19.5
10,000 to 49,999 lb	10.0	11.0	14.8
50,000 to 99,999 lb	24.4	19.2	16.9
100,000 lb or more	15.3	16.0	31.8
SCTG 18, Fuel oils	8.1	9.0	25.8
Less than 50 lb	42.4	S	S
50 to 99 lb	28.9	37.9	S
100 to 499 lb	24.0	18.9	26.0
500 to 749 lb	22.6	21.4	20.0
750 to 999 lb	20.4	22.1	14.4
1,000 to 9,999 lb	11.9	14.5	11.8
10,000 to 49,999 lb	10.6	9.7	14.9
50,000 to 99,999 lb	11.4	11.1	17.7
100,000 lb or more	18.9	18.8	S
SCTG 19, Coal and petroleum products, n.e.c.	10.4	11.7	16.2
Less than 50 lb	17.2	15.3	29.4
50 to 99 lb	16.0	12.2	32.8
100 to 499 lb	21.3	13.7	17.3
500 to 749 lb	19.6	19.6	41.9
750 to 999 lb	16.9	18.8	25.0
1,000 to 9,999 lb	19.8	15.3	22.5
10,000 to 49,999 lb	10.1	12.9	18.9
50,000 to 99,999 lb	18.2	20.4	18.8
100,000 lb or more	18.0	17.4	21.3
SCTG 20, Basic chemicals	4.3	12.8	17.7
Less than 50 lb	18.7	24.1	24.0
50 to 99 lb	16.4	26.4	20.8
100 to 499 lb	13.1	36.1	20.3
500 to 749 lb	16.8	25.9	29.8
750 to 999 lb	36.1	27.5	14.2
1,000 to 9,999 lb	9.8	15.4	11.1
10,000 to 49,999 lb	6.3	18.9	10.1
50,000 to 99,999 lb	18.2	25.3	40.7
100,000 lb or more	16.4	19.7	24.5
SCTG 21, Pharmaceutical products	10.0	11.2	16.9
Less than 50 lb	9.2	10.5	15.0
50 to 99 lb	10.0	11.8	12.4
100 to 499 lb	15.0	8.8	10.9
500 to 749 lb	28.2	13.3	14.0
750 to 999 lb	24.5	14.4	18.2
1,000 to 9,999 lb	22.7	12.3	14.0
10,000 to 49,999 lb	19.0	21.1	29.6
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	23.3	27.5	45.1
Less than 50 lb	47.9	36.1	S
50 to 99 lb	38.8	27.8	49.4
100 to 499 lb	20.0	19.9	13.6
500 to 749 lb	20.3	26.6	28.5
750 to 999 lb	33.3	31.0	27.1
1,000 to 9,999 lb	19.3	20.3	11.7
10,000 to 49,999 lb	25.2	27.8	S
50,000 to 99,999 lb	30.3	35.9	23.4
100,000 lb or more	43.4	39.9	48.9
SCTG 23, Chemical products and preparations, n.e.c.	6.1	8.6	6.0
Less than 50 lb	10.1	10.3	14.4
50 to 99 lb	14.3	11.3	11.4
100 to 499 lb	9.2	9.0	13.3
500 to 749 lb	32.1	10.5	10.6
750 to 999 lb	26.3	18.8	11.5
1,000 to 9,999 lb	9.3	8.9	7.1
10,000 to 49,999 lb	6.8	10.1	7.1
50,000 to 99,999 lb	22.4	24.1	44.0
100,000 lb or more	17.1	15.2	17.0
SCTG 24, Plastics and rubber	3.9	4.0	4.3
Less than 50 lb	6.9	13.2	22.5
50 to 99 lb	5.6	7.5	9.5
100 to 499 lb	5.9	5.9	5.6
500 to 749 lb	6.9	4.9	7.5
750 to 999 lb	7.1	5.4	8.8
1,000 to 9,999 lb	4.5	6.9	5.8
10,000 to 49,999 lb	6.4	5.1	6.8
50,000 to 99,999 lb	26.4	24.9	39.6
100,000 lb or more	17.0	16.1	17.7

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	14.1	32.8	25.7
Less than 50 lb	S	S	S
50 to 99 lb	42.5	S	S
100 to 499 lb	42.2	S	S
500 to 749 lb	43.1	36.5	46.3
750 to 999 lb	S	S	S
1,000 to 9,999 lb	34.5	46.6	33.7
10,000 to 49,999 lb	21.2	29.1	31.8
50,000 to 99,999 lb	26.9	45.5	45.2
100,000 lb or more	24.5	36.8	41.4
SCTG 26, Wood products	5.7	12.3	9.0
Less than 50 lb	13.5	10.9	20.1
50 to 99 lb	7.9	23.0	S
100 to 499 lb	10.2	8.8	7.4
500 to 749 lb	10.0	9.5	9.8
750 to 999 lb	9.5	10.5	14.5
1,000 to 9,999 lb	6.1	33.0	10.6
10,000 to 49,999 lb	7.8	10.8	12.9
50,000 to 99,999 lb	10.0	15.5	13.6
100,000 lb or more	16.5	22.8	16.1
SCTG 27, Pulp, newsprint, paper, and paperboard	7.7	27.7	11.7
Less than 50 lb	12.2	11.3	23.2
50 to 99 lb	13.7	11.3	31.9
100 to 499 lb	9.5	9.5	25.7
500 to 749 lb	10.6	10.8	25.2
750 to 999 lb	15.6	13.2	24.7
1,000 to 9,999 lb	13.8	10.6	14.6
10,000 to 49,999 lb	9.9	10.6	13.2
50,000 to 99,999 lb	16.5	19.4	21.5
100,000 lb or more	11.6	S	21.1
SCTG 28, Paper or paperboard articles	5.7	5.7	7.2
Less than 50 lb	17.7	13.4	22.3
50 to 99 lb	10.5	10.1	21.4
100 to 499 lb	6.2	6.5	8.1
500 to 749 lb	10.5	7.0	17.8
750 to 999 lb	9.1	9.0	15.0
1,000 to 9,999 lb	10.7	7.9	12.7
10,000 to 49,999 lb	6.4	6.7	8.4
50,000 to 99,999 lb	25.4	28.1	34.2
100,000 lb or more	28.6	38.4	S
SCTG 29, Printed products	5.7	7.6	13.7
Less than 50 lb	8.7	10.6	26.8
50 to 99 lb	15.8	12.5	19.2
100 to 499 lb	15.2	8.5	18.3
500 to 749 lb	14.0	18.0	19.6
750 to 999 lb	14.5	15.8	27.1
1,000 to 9,999 lb	8.5	15.2	31.7
10,000 to 49,999 lb	5.3	7.0	8.8
50,000 to 99,999 lb	24.7	20.7	26.4
100,000 lb or more	16.9	42.5	S
SCTG 30, Textiles, leather, and articles of textiles or leather	11.3	13.1	21.7
Less than 50 lb	10.5	10.0	14.2
50 to 99 lb	28.3	17.7	22.9
100 to 499 lb	13.7	9.0	9.5
500 to 749 lb	10.1	10.5	6.5
750 to 999 lb	13.7	10.3	10.5
1,000 to 9,999 lb	13.3	10.9	14.5
10,000 to 49,999 lb	31.9	30.3	40.5
50,000 to 99,999 lb	40.0	45.0	48.5
100,000 lb or more	43.5	46.6	44.5
SCTG 31, Nonmetallic mineral products	2.0	31.9	14.7
Less than 50 lb	21.1	21.8	28.4
50 to 99 lb	14.2	13.5	22.7
100 to 499 lb	14.5	16.3	16.5
500 to 749 lb	13.9	25.0	17.2
750 to 999 lb	11.1	12.0	12.8
1,000 to 9,999 lb	9.2	21.8	7.8
10,000 to 49,999 lb	3.4	7.7	8.8
50,000 to 99,999 lb	6.9	19.7	12.2
100,000 lb or more	25.9	S	33.6
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	4.3	9.3	7.2
Less than 50 lb	14.8	11.3	16.8
50 to 99 lb	11.2	11.5	10.8
100 to 499 lb	8.3	9.7	8.3
500 to 749 lb	10.1	11.4	8.7
750 to 999 lb	13.8	9.2	9.2
1,000 to 9,999 lb	5.6	10.0	5.1
10,000 to 49,999 lb	6.5	9.2	8.2
50,000 to 99,999 lb	8.4	17.2	7.7
100,000 lb or more	12.6	13.0	15.6

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	5.7	13.9	22.0
Less than 50 lb	10.1	12.4	32.3
50 to 99 lb	28.5	18.4	29.5
100 to 499 lb	14.1	9.0	18.3
500 to 749 lb	13.6	13.1	11.6
750 to 999 lb	12.5	14.2	12.2
1,000 to 9,999 lb	8.6	13.8	20.3
10,000 to 49,999 lb	4.4	22.9	36.7
50,000 to 99,999 lb	17.5	16.2	22.2
100,000 lb or more	22.5	26.9	30.6
SCTG 34, Machinery	3.3	5.4	10.0
Less than 50 lb	7.5	10.1	11.8
50 to 99 lb	5.5	7.3	7.7
100 to 499 lb	3.4	5.4	7.0
500 to 749 lb	17.7	26.7	S
750 to 999 lb	7.7	8.3	11.0
1,000 to 9,999 lb	3.7	5.1	7.3
10,000 to 49,999 lb	5.1	5.7	9.8
50,000 to 99,999 lb	17.6	31.2	27.4
100,000 lb or more	19.9	25.3	38.2
SCTG 35, Electronic and other electrical equipment and components and office equipment	4.8	4.5	6.3
Less than 50 lb	5.2	5.4	9.9
50 to 99 lb	9.8	9.5	16.5
100 to 499 lb	9.9	10.0	15.7
500 to 749 lb	10.2	10.6	13.4
750 to 999 lb	11.4	8.3	13.1
1,000 to 9,999 lb	9.1	5.1	7.1
10,000 to 49,999 lb	8.2	7.3	9.4
50,000 to 99,999 lb	25.9	26.8	33.7
100,000 lb or more	28.3	39.2	36.8
SCTG 36, Motorized and other vehicles (including parts)	5.3	6.9	5.7
Less than 50 lb	6.5	8.2	14.0
50 to 99 lb	10.1	8.8	12.5
100 to 499 lb	12.7	7.4	10.4
500 to 749 lb	12.7	14.2	20.2
750 to 999 lb	17.4	13.0	12.0
1,000 to 9,999 lb	11.5	7.6	7.9
10,000 to 49,999 lb	7.4	6.2	6.4
50,000 to 99,999 lb	18.4	11.1	14.1
100,000 lb or more	31.1	38.4	41.6
SCTG 37, Transportation equipment, n.e.c.	14.6	14.9	20.3
Less than 50 lb	16.5	20.5	27.8
50 to 99 lb	21.7	16.9	19.3
100 to 499 lb	23.9	18.9	23.3
500 to 749 lb	29.6	26.4	28.6
750 to 999 lb	39.9	25.5	27.1
1,000 to 9,999 lb	31.0	19.8	35.1
10,000 to 49,999 lb	19.4	17.2	20.7
50,000 to 99,999 lb	S	S	S
100,000 lb or more	39.5	42.7	S
SCTG 38, Precision instruments and apparatus	5.0	7.5	8.7
Less than 50 lb	6.9	13.1	12.5
50 to 99 lb	9.2	16.2	26.6
100 to 499 lb	17.1	11.7	14.0
500 to 749 lb	15.5	18.1	14.9
750 to 999 lb	15.8	14.3	18.0
1,000 to 9,999 lb	10.7	20.2	12.5
10,000 to 49,999 lb	20.7	16.1	18.1
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7.1	10.6	16.3
Less than 50 lb	11.1	22.2	31.8
50 to 99 lb	9.0	17.9	26.8
100 to 499 lb	8.5	8.7	15.4
500 to 749 lb	8.8	7.8	14.3
750 to 999 lb	8.6	7.2	9.9
1,000 to 9,999 lb	6.4	8.2	11.7
10,000 to 49,999 lb	13.7	18.7	25.4
50,000 to 99,999 lb	39.8	46.6	S
100,000 lb or more	37.5	35.9	42.4
SCTG 40, Miscellaneous manufactured products	3.9	4.6	9.7
Less than 50 lb	6.1	7.1	10.2
50 to 99 lb	5.9	5.4	7.4
100 to 499 lb	5.2	11.2	8.7
500 to 749 lb	21.7	9.2	10.6
750 to 999 lb	10.2	9.5	9.2
1,000 to 9,999 lb	8.0	7.7	8.8
10,000 to 49,999 lb	9.1	7.8	8.8
50,000 to 99,999 lb	16.4	13.7	39.6
100,000 lb or more	26.1	48.1	S

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	9.5	10.4	9.1
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	43.7	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	43.6	49.2
1,000 to 9,999 lb	19.0	35.6	29.9
10,000 to 49,999 lb	12.4	14.2	11.3
50,000 to 99,999 lb	9.1	20.1	23.7
100,000 lb or more	9.9	9.9	10.4
SCTG 43, Mixed freight	8.0	15.3	46.8
Less than 50 lb	29.3	28.3	S
50 to 99 lb	12.3	16.0	22.7
100 to 499 lb	16.1	22.6	14.7
500 to 749 lb	14.2	18.0	14.3
750 to 999 lb	16.1	13.9	27.4
1,000 to 9,999 lb	11.5	12.5	13.8
10,000 to 49,999 lb	12.5	12.8	12.6
50,000 to 99,999 lb	29.0	27.4	41.5
100,000 lb or more	S	S	S
Commodity unknown	11.1	27.7	40.8
Less than 50 lb	19.5	24.5	30.5
50 to 99 lb	30.0	19.8	33.4
100 to 499 lb	18.5	15.0	21.7
500 to 749 lb	35.4	22.3	18.5
750 to 999 lb	26.8	25.0	18.7
1,000 to 9,999 lb	14.7	22.2	20.6
10,000 to 49,999 lb	19.3	21.6	24.9
50,000 to 99,999 lb	42.4	39.9	48.4
100,000 lb or more	42.1	48.9	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	1.0	3.0	3.2	4.7	2.1	5.0	5.1	2.6	4.5	4.3
Less than 50 lb	2.7	4.0	7.4	4.8	3.8	5.7	5.8	4.4	4.3	4.0
50 to 99 lb	4.4	3.2	5.1	4.8	6.7	4.2	3.9	4.5	4.1	4.1
100 to 499 lb	3.0	3.4	3.4	3.9	2.9	4.7	5.2	4.0	4.1	3.9
500 to 749 lb	4.2	3.1	12.0	8.8	4.4	4.0	4.4	7.0	4.7	4.7
750 to 999 lb	2.7	2.7	2.1	2.5	5.5	4.3	5.1	8.5	7.1	6.6
1,000 to 9,999 lb	2.4	4.0	3.1	2.0	3.5	5.6	7.2	3.4	4.3	3.8
10,000 to 49,999 lb	1.8	3.1	2.7	2.9	2.6	4.7	6.8	4.8	4.9	4.7
50,000 to 99,999 lb	7.6	5.5	4.5	3.3	10.8	6.8	7.6	9.0	7.4	7.3
100,000 lb or more	4.2	6.6	5.6	9.8	8.6	16.0	16.4	11.3	14.1	11.5
SCTG 01, Live animals and live fish	22.2	21.5	21.7	12.7	26.8	23.2	24.5	S	S	S
Less than 50 lb	S	S	S	19.2	S	S	S	S	S	S
50 to 99 lb	S	S	S	21.8	S	S	S	S	S	S
100 to 499 lb	S	S	S	20.7	S	S	S	S	S	S
500 to 749 lb	S	39.5	47.0	22.8	S	S	S	49.4	S	S
750 to 999 lb	S	S	S	22.6	S	42.5	44.3	S	S	S
1,000 to 9,999 lb	S	S	S	19.8	S	31.6	39.0	S	47.1	42.4
10,000 to 49,999 lb	29.0	27.0	23.4	8.4	27.6	31.6	31.7	S	S	S
50,000 to 99,999 lb	25.6	27.8	20.3	18.4	38.3	42.6	47.3	S	S	S
100,000 lb or more	33.0	40.1	S	18.3	46.0	46.8	48.1	49.7	S	S
SCTG 02, Cereal grains	6.4	6.1	9.5	13.3	10.1	10.1	11.3	15.5	16.9	17.5
Less than 50 lb	23.5	26.3	37.3	S	30.1	30.5	30.9	S	S	S
50 to 99 lb	S	31.6	41.7	S	S	34.8	S	S	S	S
100 to 499 lb	18.0	17.3	17.1	21.8	21.0	18.1	28.2	40.1	34.6	34.7
500 to 749 lb	33.1	19.9	28.0	S	26.6	21.6	26.0	S	S	S
750 to 999 lb	33.0	23.7	26.8	S	42.4	28.0	38.2	S	S	S
1,000 to 9,999 lb	26.8	12.1	27.6	23.9	16.3	14.9	20.6	44.5	47.0	S
10,000 to 49,999 lb	22.1	11.5	24.3	15.6	13.8	15.3	18.0	26.5	32.0	29.9
50,000 to 99,999 lb	9.4	9.7	9.7	16.4	13.4	13.5	13.5	18.3	18.5	18.4
100,000 lb or more	7.5	7.9	10.0	8.5	13.1	14.2	19.4	27.2	31.2	31.2
SCTG 03, Other agricultural products	10.0	7.1	11.5	15.3	10.0	10.3	12.7	22.0	17.2	17.2
Less than 50 lb	23.8	28.3	42.8	15.6	33.3	45.2	43.4	22.4	20.7	22.0
50 to 99 lb	18.9	38.2	21.4	31.0	24.2	45.3	S	30.7	28.8	29.3
100 to 499 lb	11.8	20.2	15.4	13.8	17.0	23.9	22.7	32.9	21.8	20.7
500 to 749 lb	17.0	23.4	18.6	18.5	22.6	26.9	32.3	28.4	30.0	30.0
750 to 999 lb	30.5	20.5	22.6	21.3	25.8	30.4	28.0	S	25.5	23.8
1,000 to 9,999 lb	9.0	10.8	11.4	23.8	14.4	15.6	27.9	19.7	38.6	31.6
10,000 to 49,999 lb	30.5	19.7	31.0	12.1	23.2	16.8	18.8	49.6	39.9	41.5
50,000 to 99,999 lb	8.1	7.6	10.7	4.6	8.7	8.6	10.7	21.3	21.0	21.9
100,000 lb or more	11.8	11.8	12.7	8.7	33.7	35.0	40.6	30.8	30.5	27.0
SCTG 04, Animal feed and products of animal origin, n.e.c.	5.9	3.9	4.9	15.2	6.6	6.9	9.1	15.6	11.2	11.2
Less than 50 lb	13.5	13.1	28.0	27.7	17.7	14.6	16.5	S	35.6	34.5
50 to 99 lb	12.0	11.5	16.3	42.3	13.5	12.3	17.6	S	31.2	32.0
100 to 499 lb	14.8	13.2	23.1	25.0	13.6	13.3	24.4	38.9	25.5	26.4
500 to 749 lb	25.6	15.8	31.8	14.1	19.2	14.4	21.7	43.5	21.0	21.9
750 to 999 lb	31.0	20.2	26.3	23.4	27.7	19.9	24.5	S	31.1	31.6
1,000 to 9,999 lb	9.9	9.2	17.7	19.1	10.1	10.9	10.5	29.4	17.3	17.5
10,000 to 49,999 lb	8.0	6.0	8.1	9.0	10.2	7.9	11.0	23.3	15.4	16.1
50,000 to 99,999 lb	8.8	11.1	12.8	8.8	17.2	20.8	18.2	14.1	14.9	13.6
100,000 lb or more	10.7	7.7	7.5	4.9	28.1	30.9	33.4	23.9	23.7	23.6
SCTG 05, Meat, fish, seafood, and their preparations	7.1	6.3	8.2	17.8	8.4	8.7	9.1	11.0	12.0	11.1
Less than 50 lb	25.0	19.8	31.0	35.6	32.2	23.0	21.8	32.2	28.2	25.8
50 to 99 lb	31.5	22.7	20.6	36.2	32.5	24.1	21.6	47.7	32.1	33.0
100 to 499 lb	15.8	12.4	8.4	14.6	18.6	14.6	13.6	20.1	15.5	15.3
500 to 749 lb	8.3	11.2	8.8	18.1	13.6	15.1	18.6	17.5	15.4	16.1
750 to 999 lb	8.6	10.0	10.0	20.4	14.0	12.9	13.3	17.3	20.2	22.1
1,000 to 9,999 lb	9.0	8.6	8.1	6.1	13.0	11.4	11.8	10.2	13.4	13.4
10,000 to 49,999 lb	7.6	7.2	9.7	4.7	8.9	12.5	11.0	17.1	18.2	17.1
50,000 to 99,999 lb	19.5	19.2	36.8	14.9	S	44.2	S	46.8	42.4	41.8
100,000 lb or more	22.3	20.2	22.7	18.4	33.8	32.4	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	5.1	6.9	9.7	23.3	7.8	8.8	16.8	8.2	7.0	6.8
Less than 50 lb	43.6	19.6	43.6	26.5	19.8	22.1	29.1	25.4	26.3	29.1
50 to 99 lb	18.5	23.3	18.3	31.6	21.2	26.0	31.2	33.4	29.4	30.1
100 to 499 lb	21.7	22.0	15.8	21.3	25.1	25.7	28.0	25.4	23.8	23.8
500 to 749 lb	17.2	15.4	12.2	9.4	21.1	20.6	17.4	25.4	16.8	16.6
750 to 999 lb	19.7	13.9	17.0	9.8	24.0	15.7	14.1	25.7	20.4	19.5
1,000 to 9,999 lb	13.1	13.4	15.9	5.6	15.3	13.1	12.3	16.0	14.6	14.5
10,000 to 49,999 lb	7.2	6.0	7.4	4.2	5.9	8.5	11.1	14.1	13.5	13.1
50,000 to 99,999 lb	18.8	19.0	16.1	23.2	40.8	34.9	S	32.2	35.3	35.3
100,000 lb or more	12.4	14.9	16.6	3.6	28.8	27.0	28.9	S	35.1	31.4

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	3.6	4.1	6.2	17.3	6.0	5.3	4.7	6.7	8.7	8.7
Less than 50 lb	16.2	12.3	22.9	18.7	22.8	15.5	15.6	28.1	23.3	23.3
50 to 99 lb	14.2	11.1	13.6	18.5	19.4	12.6	14.0	27.2	23.3	23.8
100 to 499 lb	6.6	10.5	8.2	12.3	8.8	12.0	13.1	14.1	15.0	15.1
500 to 749 lb	6.5	12.3	8.7	17.7	10.4	15.0	14.2	13.0	17.5	18.5
750 to 999 lb	12.5	12.8	17.8	22.7	16.3	15.4	16.5	14.5	24.0	22.6
1,000 to 9,999 lb	7.0	7.7	6.5	10.7	10.8	10.5	11.6	9.5	12.8	12.6
10,000 to 49,999 lb	4.1	4.2	4.1	3.2	6.3	4.6	5.2	8.8	12.9	13.1
50,000 to 99,999 lb	7.1	7.9	11.1	10.9	10.0	11.4	13.1	15.6	16.9	15.1
100,000 lb or more	9.3	11.6	13.4	4.1	20.4	19.2	29.3	31.1	32.9	33.8
SCTG 08, Alcoholic beverages	5.7	7.6	15.6	5.8	5.5	5.8	5.9	13.7	17.7	18.6
Less than 50 lb	10.2	7.6	12.1	7.5	11.7	8.5	10.2	16.3	16.2	16.1
50 to 99 lb	12.2	8.1	11.1	6.5	12.2	8.0	8.2	20.6	22.5	22.9
100 to 499 lb	5.8	5.2	6.3	5.6	6.0	5.5	5.7	19.1	16.8	17.3
500 to 749 lb	6.8	6.7	6.9	7.0	6.9	7.0	7.2	20.3	16.2	17.1
750 to 999 lb	9.5	7.4	7.5	6.7	10.6	7.9	8.6	24.9	18.6	18.2
1,000 to 9,999 lb	8.4	6.9	7.3	4.2	7.9	6.9	7.9	22.8	19.3	18.4
10,000 to 49,999 lb	16.7	18.4	21.1	20.0	16.0	17.0	17.8	28.9	29.2	29.3
50,000 to 99,999 lb	18.8	17.1	23.4	11.4	25.0	24.2	38.7	34.1	35.6	37.0
100,000 lb or more	23.6	21.2	31.4	13.9	49.4	33.9	40.3	S	S	S
SCTG 09, Tobacco products	8.3	16.7	28.6	13.7	9.3	13.7	17.4	10.2	25.8	25.0
Less than 50 lb	11.4	10.1	12.9	11.4	11.7	11.6	12.3	19.2	17.5	16.5
50 to 99 lb	10.8	10.0	21.0	19.9	14.2	14.9	13.6	24.7	18.1	17.9
100 to 499 lb	8.9	6.9	20.5	15.5	11.9	11.1	11.2	12.2	12.8	12.5
500 to 749 lb	18.2	17.0	30.6	31.5	22.2	20.8	24.7	27.3	25.0	26.0
750 to 999 lb	20.8	25.2	34.4	18.0	22.1	25.9	33.2	28.9	30.7	30.6
1,000 to 9,999 lb	17.4	24.2	39.8	38.6	22.6	27.8	32.8	30.1	31.7	31.6
10,000 to 49,999 lb	S	S	S	21.1	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	27.5	28.0	23.7	47.6	37.2	36.6	31.7	S	S	S
Less than 50 lb	33.3	32.9	S	28.3	41.3	42.4	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	35.8	41.2	42.5	28.0	S	S	S	S	S	S
750 to 999 lb	44.0	49.7	S	45.7	S	S	S	S	S	S
1,000 to 9,999 lb	31.3	33.1	31.6	33.9	35.1	46.6	44.6	46.6	S	S
10,000 to 49,999 lb	36.5	41.1	29.6	44.1	40.9	S	S	S	S	S
50,000 to 99,999 lb	49.1	38.1	29.5	S	S	41.4	39.1	—	—	—
100,000 lb or more	S	44.3	47.8	22.7	S	47.2	S	S	S	S
SCTG 11, Natural sands	21.3	22.3	16.5	19.2	29.1	24.2	28.8	15.8	20.0	20.1
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	40.7	46.3	41.6	40.9	41.6	47.0	46.0	S	S	S
100 to 499 lb	S	26.7	26.7	21.3	S	29.9	34.9	S	S	S
500 to 749 lb	S	31.7	30.4	S	S	33.1	33.3	S	41.0	41.9
750 to 999 lb	S	32.4	39.8	32.2	S	35.6	49.6	S	S	S
1,000 to 9,999 lb	39.8	15.6	27.5	S	S	15.3	18.5	S	32.5	32.8
10,000 to 49,999 lb	27.5	28.3	30.3	34.6	33.3	30.3	36.5	16.1	24.6	23.7
50,000 to 99,999 lb	24.0	28.4	25.0	13.4	27.0	30.1	28.6	21.4	27.0	27.2
100,000 lb or more	23.2	35.9	22.7	30.8	46.6	47.1	S	32.8	39.2	39.2
SCTG 12, Gravel and crushed stone	6.4	5.4	9.2	11.9	7.0	6.6	9.8	12.0	12.5	13.1
Less than 50 lb	S	S	S	20.8	S	S	S	—	—	—
50 to 99 lb	S	S	S	22.2	46.9	S	S	S	S	S
100 to 499 lb	49.3	23.4	S	41.6	S	25.6	21.8	S	S	S
500 to 749 lb	S	23.6	S	S	S	26.4	35.5	S	S	S
750 to 999 lb	S	45.5	43.3	S	S	S	45.1	S	S	S
1,000 to 9,999 lb	49.4	13.0	21.7	14.8	S	13.1	18.8	44.4	41.8	43.1
10,000 to 49,999 lb	6.8	7.9	16.7	15.4	7.0	8.2	13.6	17.5	17.2	16.6
50,000 to 99,999 lb	12.2	9.2	10.3	8.6	13.7	10.0	11.4	18.2	21.5	19.9
100,000 lb or more	11.0	12.5	13.8	32.8	17.0	16.5	16.5	25.1	27.7	29.8
SCTG 13, Nonmetallic minerals n.e.c.	26.9	18.2	16.0	23.5	18.5	23.8	21.6	S	24.0	25.8
Less than 50 lb	31.8	24.0	S	17.1	40.2	23.0	34.4	S	S	S
50 to 99 lb	25.1	28.2	46.7	S	34.1	31.1	35.9	S	S	S
100 to 499 lb	39.0	25.3	36.9	28.4	45.5	23.2	37.5	45.1	S	S
500 to 749 lb	30.5	S	S	S	42.5	S	S	S	44.6	47.0
750 to 999 lb	39.3	32.8	48.0	S	S	34.0	32.4	S	S	S
1,000 to 9,999 lb	22.9	20.9	22.0	40.1	23.8	26.8	45.2	41.9	36.4	41.0
10,000 to 49,999 lb	35.4	29.8	14.6	S	25.3	34.1	35.3	S	28.7	29.8
50,000 to 99,999 lb	32.8	22.4	16.5	35.7	21.8	31.6	31.5	S	27.3	25.8
100,000 lb or more	15.4	17.1	21.3	20.5	25.0	29.9	40.8	36.1	40.5	43.5

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	12.7	17.7	24.1	10.9	26.1	35.2	39.6	23.9	43.6	43.0
Less than 50 lb	40.9	42.1	S	20.7	S	S	S	S	S	S
50 to 99 lb	34.2	26.7	45.3	25.2	S	48.0	43.6	S	S	S
100 to 499 lb	33.9	27.1	36.4	26.5	28.2	27.4	37.4	S	40.2	41.9
500 to 749 lb	25.7	19.9	28.4	39.0	43.2	32.5	34.9	S	S	S
750 to 999 lb	42.1	32.9	46.2	26.2	S	S	S	S	S	S
1,000 to 9,999 lb	29.7	37.8	31.1	26.1	33.8	S	S	S	31.5	31.0
10,000 to 49,999 lb	15.1	18.3	33.7	15.3	36.3	26.5	37.3	35.7	36.8	36.6
50,000 to 99,999 lb	41.6	S	S	19.4	S	35.3	40.7	S	S	S
100,000 lb or more	15.8	18.1	24.1	22.1	33.2	35.9	40.1	34.4	45.7	45.1
SCTG 15, Coal	11.1	10.5	14.4	17.1	11.4	11.9	8.3	25.0	25.3	24.6
Less than 50 lb	S	S	S	22.9	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	38.0	S	S	S	S	S	S
500 to 749 lb	S	S	S	21.7	S	S	S	S	S	S
750 to 999 lb	S	S	S	22.4	S	S	S	—	—	—
1,000 to 9,999 lb	S	34.4	48.5	S	S	34.6	42.3	—	—	—
10,000 to 49,999 lb	23.8	29.6	22.3	S	33.0	36.7	33.2	32.5	43.3	43.7
50,000 to 99,999 lb	31.0	32.0	34.1	18.9	32.4	35.2	26.8	42.1	49.8	S
100,000 lb or more	11.8	11.3	15.3	19.1	14.4	13.8	9.5	27.3	25.8	24.1
SCTG 17, Gasoline and aviation turbine fuel	13.4	11.5	18.4	10.6	16.5	12.8	19.0	19.7	20.7	20.7
Less than 50 lb	30.6	31.9	S	S	31.0	31.9	S	S	S	S
50 to 99 lb	39.0	38.5	S	22.6	38.9	38.3	S	S	S	S
100 to 499 lb	S	17.7	21.2	10.2	S	18.0	23.1	S	S	S
500 to 749 lb	19.9	17.3	15.1	13.6	20.6	17.5	15.5	S	S	S
750 to 999 lb	25.5	22.3	25.6	15.7	25.6	22.4	26.7	S	S	S
1,000 to 9,999 lb	16.8	12.2	19.5	9.8	18.1	13.1	25.8	32.3	20.0	20.8
10,000 to 49,999 lb	10.0	11.0	14.8	7.0	10.4	11.3	11.9	19.6	21.1	22.0
50,000 to 99,999 lb	24.4	19.2	16.9	7.9	29.0	22.4	27.9	26.3	26.2	25.9
100,000 lb or more	15.3	16.0	31.8	29.0	12.8	13.6	23.3	S	40.1	41.5
SCTG 18, Fuel oils	8.1	9.0	25.8	10.6	10.0	11.4	11.5	13.3	14.0	14.0
Less than 50 lb	42.4	S	S	19.6	34.9	S	S	S	S	S
50 to 99 lb	28.9	37.9	S	15.7	26.5	25.6	35.6	S	S	S
100 to 499 lb	24.0	18.9	26.0	10.9	24.4	19.1	26.4	34.5	38.8	40.0
500 to 749 lb	22.6	21.4	20.0	8.7	22.6	21.4	20.4	—	—	—
750 to 999 lb	20.4	22.1	14.4	11.4	20.6	22.3	14.6	S	S	S
1,000 to 9,999 lb	11.9	14.5	11.8	6.5	12.5	15.2	14.5	27.5	19.2	19.2
10,000 to 49,999 lb	10.6	9.7	14.9	7.1	11.1	9.9	9.3	24.4	21.2	23.6
50,000 to 99,999 lb	11.4	11.1	17.7	7.5	11.1	10.7	12.5	21.0	20.7	21.0
100,000 lb or more	18.9	18.8	S	20.0	24.7	24.5	32.6	36.3	35.0	32.7
SCTG 19, Coal and petroleum products, n.e.c.	10.4	11.7	16.2	16.4	15.4	16.8	22.9	19.2	16.4	13.2
Less than 50 lb	17.2	15.3	29.4	27.3	16.6	19.1	19.8	30.1	29.2	28.8
50 to 99 lb	16.0	12.2	32.8	23.9	10.1	14.0	23.4	26.2	32.1	34.9
100 to 499 lb	21.3	13.7	17.3	15.0	26.9	15.7	21.2	25.8	24.5	24.4
500 to 749 lb	19.6	19.6	41.9	21.5	21.4	22.2	16.5	39.5	39.3	38.2
750 to 999 lb	16.9	18.8	25.0	23.7	18.0	21.0	20.2	S	S	S
1,000 to 9,999 lb	19.8	15.3	22.5	15.0	17.1	15.2	18.2	21.9	21.6	22.3
10,000 to 49,999 lb	10.1	12.9	18.9	16.2	14.5	15.6	21.3	15.4	18.6	18.4
50,000 to 99,999 lb	18.2	20.4	18.8	28.4	26.7	27.8	45.7	30.1	29.7	30.0
100,000 lb or more	18.0	17.4	21.3	14.4	40.3	28.7	27.5	S	36.3	34.4
SCTG 20, Basic chemicals ..	4.3	12.8	17.7	16.3	8.3	19.2	26.5	7.9	18.9	20.5
Less than 50 lb	18.7	24.1	24.0	14.1	22.6	31.1	27.8	31.6	30.4	30.3
50 to 99 lb	16.4	26.4	20.8	28.8	25.8	29.9	28.3	22.2	20.9	21.2
100 to 499 lb	13.1	36.1	20.3	42.6	20.3	40.7	42.9	32.7	46.9	44.5
500 to 749 lb	16.8	25.9	29.8	30.1	20.4	30.1	34.5	28.2	37.1	34.7
750 to 999 lb	36.1	27.5	14.2	46.6	20.7	32.2	30.2	30.0	21.1	21.0
1,000 to 9,999 lb	9.8	15.4	11.1	20.4	11.2	19.0	18.2	12.8	15.2	15.1
10,000 to 49,999 lb	6.3	18.9	10.1	9.9	12.5	28.5	36.4	11.4	22.1	23.6
50,000 to 99,999 lb	18.2	25.3	40.7	18.4	44.8	43.8	44.1	36.0	36.3	36.7
100,000 lb or more	16.4	19.7	24.5	10.4	49.4	S	30.6	S	47.6	49.3
SCTG 21, Pharmaceutical products	10.0	11.2	16.9	7.6	10.4	13.1	12.4	9.1	14.9	14.8
Less than 50 lb	9.2	10.5	15.0	8.0	13.3	15.0	15.6	11.8	14.6	13.5
50 to 99 lb	10.0	11.8	12.4	11.6	20.0	19.5	17.2	23.7	23.7	24.5
100 to 499 lb	15.0	8.8	10.9	12.6	17.6	14.5	14.5	19.1	16.0	15.9
500 to 749 lb	28.2	13.3	14.0	9.6	40.7	27.4	26.6	44.6	20.2	19.2
750 to 999 lb	24.5	14.4	18.2	13.9	24.9	17.8	27.0	S	41.2	39.9
1,000 to 9,999 lb	22.7	12.3	14.0	9.0	18.2	18.8	22.6	24.6	25.6	25.4
10,000 to 49,999 lb	19.0	21.1	29.6	11.9	29.9	28.9	35.6	S	S	48.0
50,000 to 99,999 lb	S	S	S	32.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	23.3	27.5	45.1	21.5	15.6	17.9	26.1	41.1	39.1	37.2
Less than 50 lb	47.9	36.1	S	15.9	47.0	S	42.4	S	S	S
50 to 99 lb	38.8	27.8	49.4	30.1	S	38.3	36.7	S	S	S
100 to 499 lb	20.0	19.9	13.6	S	24.1	22.5	26.8	S	28.2	30.2
500 to 749 lb	20.3	26.6	28.5	42.6	23.9	31.5	42.8	46.9	35.5	35.2
750 to 999 lb	33.3	31.0	27.1	32.9	39.9	32.4	41.1	S	S	48.3
1,000 to 9,999 lb	19.3	20.3	11.7	39.8	21.7	21.1	19.7	22.4	25.1	22.4
10,000 to 49,999 lb	25.2	27.8	S	12.6	16.5	17.8	24.3	48.7	49.6	46.9
50,000 to 99,999 lb	30.3	35.9	23.4	15.8	37.7	46.8	S	33.0	28.9	24.9
100,000 lb or more	43.4	39.9	48.9	12.5	40.5	36.9	36.2	S	43.7	45.9
SCTG 23, Chemical products and preparations, n.e.c.	6.1	8.6	6.0	9.6	12.0	18.0	17.7	9.8	12.3	13.4
Less than 50 lb	10.1	10.3	14.4	13.3	8.0	10.5	11.0	18.3	22.7	21.7
50 to 99 lb	14.3	11.3	11.4	12.8	19.3	16.0	17.7	37.9	34.5	32.7
100 to 499 lb	9.2	9.0	13.3	11.1	12.4	11.4	9.4	20.2	14.4	16.2
500 to 749 lb	32.1	10.5	10.6	10.4	46.5	13.6	13.6	25.1	16.6	16.7
750 to 999 lb	26.3	18.8	11.5	11.3	45.0	28.4	33.5	18.7	25.9	26.3
1,000 to 9,999 lb	9.3	8.9	7.1	5.0	11.7	12.6	12.0	16.1	10.4	10.6
10,000 to 49,999 lb	6.8	10.1	7.1	6.0	15.6	22.9	23.6	11.5	15.8	17.0
50,000 to 99,999 lb	22.4	24.1	44.0	14.7	36.1	27.7	26.6	45.9	49.2	47.9
100,000 lb or more	17.1	15.2	17.0	13.3	40.3	47.8	S	S	S	S
SCTG 24, Plastics and rubber	3.9	4.0	4.3	7.3	5.7	6.4	9.3	5.2	7.8	7.2
Less than 50 lb	6.9	13.2	22.5	7.9	8.5	7.1	6.9	13.3	9.7	9.7
50 to 99 lb	5.6	7.5	9.5	5.8	6.9	8.9	7.5	10.5	9.8	9.5
100 to 499 lb	5.9	5.9	5.6	6.0	10.5	10.4	10.5	11.4	10.2	10.1
500 to 749 lb	6.9	4.9	7.5	6.4	9.5	8.0	8.2	8.3	8.2	8.9
750 to 999 lb	7.1	5.4	8.8	5.5	10.7	10.8	8.9	11.4	12.0	12.3
1,000 to 9,999 lb	4.5	6.9	5.8	4.1	7.9	13.4	11.6	8.3	11.1	10.3
10,000 to 49,999 lb	6.4	5.1	6.8	4.3	10.9	8.2	11.6	11.6	10.4	10.2
50,000 to 99,999 lb	26.4	24.9	39.6	14.5	S	48.0	45.7	44.8	34.8	34.1
100,000 lb or more	17.0	16.1	17.7	6.8	31.4	31.6	41.3	32.8	33.1	31.2
SCTG 25, Logs and other wood in the rough	14.1	32.8	25.7	17.0	25.8	32.0	S	31.3	49.2	S
Less than 50 lb	S	S	S	20.7	S	S	S	S	S	S
50 to 99 lb	42.5	S	S	S	S	S	S	S	S	S
100 to 499 lb	42.2	S	S	S	45.9	S	S	S	S	S
500 to 749 lb	43.1	36.5	46.3	28.6	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.5	46.6	33.7	S	40.4	S	S	S	40.9	42.8
10,000 to 49,999 lb	21.2	29.1	31.8	22.5	22.7	29.1	41.7	45.7	43.8	44.3
50,000 to 99,999 lb	26.9	45.5	45.2	29.9	24.0	43.4	S	45.2	S	S
100,000 lb or more	24.5	36.8	41.4	S	38.0	48.6	44.8	45.3	S	S
SCTG 26, Wood products	5.7	12.3	9.0	12.1	6.5	20.7	25.0	9.2	16.0	13.7
Less than 50 lb	13.5	10.9	20.1	10.0	10.3	8.5	9.0	16.5	14.1	14.0
50 to 99 lb	7.9	23.0	S	16.8	7.5	6.8	10.1	26.3	24.2	23.2
100 to 499 lb	10.2	8.8	7.4	10.1	11.5	11.1	12.5	16.7	15.6	15.8
500 to 749 lb	10.0	9.5	9.8	8.6	11.8	12.6	10.4	14.1	16.3	15.8
750 to 999 lb	9.5	10.5	14.5	15.6	13.9	14.6	24.1	18.8	21.3	21.3
1,000 to 9,999 lb	6.1	33.0	10.6	11.9	7.7	44.2	S	9.7	11.7	11.2
10,000 to 49,999 lb	7.8	10.8	12.9	8.3	9.8	14.2	14.3	11.9	23.0	18.9
50,000 to 99,999 lb	10.0	15.5	13.6	15.2	17.9	16.6	21.6	18.5	26.6	27.4
100,000 lb or more	16.5	22.8	16.1	20.9	28.4	33.5	S	28.5	37.9	40.0
SCTG 27, Pulp, newsprint, paper, and paperboard	7.7	27.7	11.7	13.4	9.4	13.3	16.4	8.5	S	S
Less than 50 lb	12.2	11.3	23.2	19.5	15.5	13.0	13.7	19.4	16.0	19.0
50 to 99 lb	13.7	11.3	31.9	17.1	18.2	13.2	12.7	21.1	17.6	16.7
100 to 499 lb	9.5	9.5	25.7	17.2	9.7	9.5	10.0	21.1	16.9	18.5
500 to 749 lb	10.6	10.8	25.2	12.8	10.8	11.6	12.4	20.7	15.2	16.8
750 to 999 lb	15.6	13.2	24.7	13.1	19.1	11.5	13.5	44.2	28.1	26.6
1,000 to 9,999 lb	13.8	10.6	14.6	9.4	11.2	11.2	12.1	11.0	25.7	30.2
10,000 to 49,999 lb	9.9	10.6	13.2	5.7	17.5	20.8	23.4	11.3	13.3	15.1
50,000 to 99,999 lb	16.5	19.4	21.5	10.0	33.0	26.4	32.0	S	S	S
100,000 lb or more	11.6	S	21.1	S	31.9	33.6	37.3	43.1	S	S
SCTG 28, Paper or paperboard articles	5.7	5.7	7.2	7.6	10.8	10.7	10.7	5.0	6.2	6.5
Less than 50 lb	17.7	13.4	22.3	8.7	16.1	16.9	18.1	19.4	19.8	18.1
50 to 99 lb	10.5	10.1	21.4	13.4	16.0	14.5	13.1	43.5	24.9	24.5
100 to 499 lb	6.2	6.5	8.1	8.8	9.2	8.9	10.6	16.8	15.7	15.4
500 to 749 lb	10.5	7.0	17.8	12.1	10.3	8.2	11.5	15.7	13.6	13.9
750 to 999 lb	9.1	9.0	15.0	11.1	12.3	12.2	13.5	17.1	13.6	13.0
1,000 to 9,999 lb	10.7	7.9	12.7	6.4	17.7	10.5	11.9	8.4	7.9	7.7
10,000 to 49,999 lb	6.4	6.7	8.4	7.4	13.1	15.9	14.1	7.9	7.5	7.8
50,000 to 99,999 lb	25.4	28.1	34.2	33.4	35.8	30.7	35.6	S	44.9	42.2
100,000 lb or more	28.6	38.4	S	20.4	35.1	37.5	48.5	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	5.7	7.6	13.7	9.5	5.7	10.6	9.1	10.4	12.9	13.4
Less than 50 lb	8.7	10.6	26.8	9.6	9.3	11.6	14.0	19.8	15.5	15.1
50 to 99 lb	15.8	12.5	19.2	12.8	10.0	14.3	17.7	24.6	18.8	17.4
100 to 499 lb	15.2	8.5	18.3	12.0	7.2	10.3	10.6	14.0	20.0	19.6
500 to 749 lb	14.0	18.0	19.6	12.7	20.1	25.2	38.5	18.8	22.7	21.1
750 to 999 lb	14.5	15.8	27.1	14.7	18.4	24.6	22.4	15.6	27.5	22.3
1,000 to 9,999 lb	8.5	15.2	31.7	9.4	11.3	17.8	17.7	13.1	12.9	12.4
10,000 to 49,999 lb	5.3	7.0	8.8	6.6	9.5	13.1	10.9	22.3	22.0	22.3
50,000 to 99,999 lb	24.7	20.7	26.4	35.6	S	33.6	38.9	49.3	38.7	41.1
100,000 lb or more	16.9	42.5	S	18.1	26.3	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	11.3	13.1	21.7	3.6	13.0	9.8	11.6	11.9	14.2	13.4
Less than 50 lb	10.5	10.0	14.2	3.5	10.9	12.0	10.9	14.0	10.2	11.6
50 to 99 lb	28.3	17.7	22.9	7.7	13.4	12.9	15.6	16.3	14.6	16.2
100 to 499 lb	13.7	9.0	9.5	5.8	16.2	16.0	18.0	21.4	16.0	17.8
500 to 749 lb	10.1	10.5	6.5	11.2	28.2	22.9	27.8	39.0	31.7	41.9
750 to 999 lb	13.7	10.3	10.5	11.6	25.3	20.0	21.3	21.0	26.1	25.9
1,000 to 9,999 lb	13.3	10.9	14.5	8.2	15.0	15.2	19.0	20.8	16.4	15.8
10,000 to 49,999 lb	31.9	30.3	40.5	8.2	43.9	27.1	30.0	32.6	40.3	36.2
50,000 to 99,999 lb	40.0	45.0	48.5	20.9	S	S	S	S	S	S
100,000 lb or more	43.5	46.6	44.5	24.6	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	2.0	31.9	14.7	13.6	5.3	41.2	47.4	7.2	9.2	10.2
Less than 50 lb	21.1	21.8	28.4	10.4	42.2	24.6	25.9	38.3	25.2	24.8
50 to 99 lb	14.2	13.5	22.7	12.2	19.3	15.2	15.4	39.4	22.8	22.0
100 to 499 lb	14.5	16.3	16.5	13.4	24.0	23.3	33.9	38.4	29.4	30.4
500 to 749 lb	13.9	25.0	17.2	22.7	20.9	35.5	48.3	23.1	22.1	23.6
750 to 999 lb	11.1	12.0	12.8	22.5	14.9	16.0	17.5	24.5	20.0	20.7
1,000 to 9,999 lb	9.2	21.8	7.8	13.9	11.4	25.0	18.3	10.5	12.2	12.1
10,000 to 49,999 lb	3.4	7.7	8.8	17.4	7.5	10.2	11.7	9.6	14.3	13.7
50,000 to 99,999 lb	6.9	19.7	12.2	8.9	8.7	33.2	26.4	10.9	10.3	10.6
100,000 lb or more	25.9	S	33.6	S	48.6	S	S	30.5	30.0	37.1
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	4.3	9.3	7.2	9.6	5.2	18.2	6.1	6.3	14.5	11.9
Less than 50 lb	14.8	11.3	16.8	14.7	16.9	12.0	14.7	18.5	20.6	20.6
50 to 99 lb	11.2	11.5	10.8	10.3	13.7	12.9	15.2	21.0	19.4	18.7
100 to 499 lb	8.3	9.7	8.3	7.8	10.2	11.6	11.0	13.9	17.5	18.3
500 to 749 lb	10.1	11.4	8.7	7.0	12.1	14.0	15.1	20.0	25.1	23.3
750 to 999 lb	13.8	9.2	9.2	10.3	13.3	12.1	13.7	19.0	21.7	21.1
1,000 to 9,999 lb	5.6	10.0	5.1	5.5	7.8	13.8	14.7	9.6	12.9	13.2
10,000 to 49,999 lb	6.5	9.2	8.2	4.9	9.5	17.3	7.7	7.3	8.4	8.3
50,000 to 99,999 lb	8.4	17.2	7.7	9.2	10.7	28.3	15.7	25.6	26.2	22.1
100,000 lb or more	12.6	13.0	15.6	8.9	18.7	19.9	21.4	16.2	44.2	33.9
SCTG 33, Articles of base metal	5.7	13.9	22.0	8.7	5.9	9.8	14.9	10.2	9.8	9.7
Less than 50 lb	10.1	12.4	32.3	10.1	8.5	8.0	8.0	12.1	10.3	9.9
50 to 99 lb	28.5	18.4	29.5	5.9	10.7	8.6	8.9	12.9	13.3	13.0
100 to 499 lb	14.1	9.0	18.3	8.4	8.2	8.7	8.3	11.8	12.1	12.1
500 to 749 lb	13.6	13.1	11.6	6.5	19.0	16.6	21.4	15.4	11.6	11.2
750 to 999 lb	12.5	14.2	12.2	6.7	19.3	19.5	22.8	22.5	26.2	23.5
1,000 to 9,999 lb	8.6	13.8	20.3	6.0	10.6	13.8	17.4	13.2	9.4	9.0
10,000 to 49,999 lb	4.4	22.9	36.7	5.5	9.0	16.0	25.2	18.6	14.3	14.2
50,000 to 99,999 lb	17.5	16.2	22.2	23.1	25.5	21.0	23.5	47.8	40.7	38.6
100,000 lb or more	22.5	26.9	30.6	10.8	37.3	49.9	46.4	S	S	S
SCTG 34, Machinery	3.3	5.4	10.0	4.5	5.2	4.3	5.8	5.5	15.8	16.4
Less than 50 lb	7.5	10.1	11.8	5.3	12.3	10.9	11.6	8.2	13.2	12.9
50 to 99 lb	5.5	7.3	7.7	6.5	12.0	13.0	12.8	13.9	14.1	13.2
100 to 499 lb	3.4	5.4	7.0	5.2	7.4	9.5	8.4	10.9	20.8	19.3
500 to 749 lb	17.7	26.7	S	12.3	22.4	16.8	17.8	23.6	11.1	10.9
750 to 999 lb	7.7	8.3	11.0	7.8	14.6	17.7	20.3	17.6	15.3	15.3
1,000 to 9,999 lb	3.7	5.1	7.3	4.2	8.9	9.9	11.5	9.6	7.6	7.8
10,000 to 49,999 lb	5.1	5.7	9.8	3.9	9.7	6.3	8.6	10.3	10.2	11.7
50,000 to 99,999 lb	17.6	31.2	27.4	16.4	31.9	42.0	47.9	S	S	S
100,000 lb or more	19.9	25.3	38.2	13.1	43.0	43.3	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	4.8	4.5	6.3	4.4	6.7	7.7	8.9	7.8	9.7	9.7
Less than 50 lb	5.2	5.4	9.9	4.6	6.1	7.4	8.3	11.0	11.3	11.0
50 to 99 lb	9.8	9.5	16.5	7.0	21.7	8.8	12.2	16.0	13.4	12.8
100 to 499 lb	9.9	10.0	15.7	8.2	8.4	9.8	13.1	9.2	10.2	9.9
500 to 749 lb	10.2	10.6	13.4	5.5	16.2	15.1	15.8	27.8	25.7	26.6
750 to 999 lb	11.4	8.3	13.1	8.4	23.7	13.5	18.6	34.1	41.1	34.6
1,000 to 9,999 lb	9.1	5.1	7.1	5.5	12.3	10.3	13.0	16.0	11.7	12.0
10,000 to 49,999 lb	8.2	7.3	9.4	5.0	18.9	20.0	18.5	18.5	12.0	12.5
50,000 to 99,999 lb	25.9	26.8	33.7	17.1	47.5	44.6	S	S	S	S
100,000 lb or more	28.3	39.2	36.8	20.9	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	5.3	6.9	5.7	9.2	9.3	11.8	8.7	8.5	8.0	6.8
Less than 50 lb	6.5	8.2	14.0	11.4	10.9	13.4	10.2	18.4	8.1	8.1
50 to 99 lb	10.1	8.8	12.5	8.3	11.5	9.7	10.8	17.2	12.4	12.5
100 to 499 lb	12.7	7.4	10.4	6.8	19.4	10.8	9.4	16.9	10.1	11.0
500 to 749 lb	12.7	14.2	20.2	5.9	13.1	14.0	14.0	26.7	12.0	12.5
750 to 999 lb	17.4	13.0	12.0	8.2	28.2	17.4	19.3	32.3	16.4	19.6
1,000 to 9,999 lb	11.5	7.6	7.9	5.2	18.4	15.4	10.2	11.2	10.0	10.5
10,000 to 49,999 lb	7.4	6.2	6.4	4.7	10.1	13.9	9.7	13.7	9.9	8.5
50,000 to 99,999 lb	18.4	11.1	14.1	10.2	31.6	32.2	30.3	25.0	20.6	20.8
100,000 lb or more	31.1	38.4	41.6	14.1	49.1	46.2	S	S	48.8	S
SCTG 37, Transportation equipment, n.e.c.	14.6	14.9	20.3	4.8	25.2	31.4	40.1	32.8	30.1	31.7
Less than 50 lb	16.5	20.5	27.8	4.6	20.5	22.1	26.1	21.6	22.2	23.6
50 to 99 lb	21.7	16.9	19.3	11.4	48.8	25.8	28.9	S	48.5	48.2
100 to 499 lb	23.9	18.9	23.3	7.5	40.8	38.7	32.2	S	41.5	43.0
500 to 749 lb	29.6	26.4	28.6	14.9	46.2	40.2	38.4	S	S	S
750 to 999 lb	39.9	25.5	27.1	22.4	S	39.6	32.5	S	S	S
1,000 to 9,999 lb	31.0	19.8	35.1	6.3	25.0	30.3	33.8	29.6	28.5	24.7
10,000 to 49,999 lb	19.4	17.2	20.7	10.9	45.9	34.3	30.2	S	S	S
50,000 to 99,999 lb	S	S	S	33.1	S	S	S	—	—	—
100,000 lb or more	39.5	42.7	S	16.9	46.4	46.5	46.9	S	S	S
SCTG 38, Precision instruments and apparatus	5.0	7.5	8.7	5.5	13.4	20.6	28.0	13.4	24.1	22.1
Less than 50 lb	6.9	13.1	12.5	5.6	13.8	30.4	17.2	14.6	12.4	14.4
50 to 99 lb	9.2	16.2	26.6	9.5	22.4	34.3	41.6	17.5	18.7	18.6
100 to 499 lb	17.1	11.7	14.0	8.1	29.3	31.2	25.5	23.0	23.5	21.4
500 to 749 lb	15.5	18.1	14.9	11.4	21.2	17.3	27.3	S	45.3	46.9
750 to 999 lb	15.8	14.3	18.0	14.5	23.5	32.2	24.2	41.6	S	48.5
1,000 to 9,999 lb	10.7	20.2	12.5	9.9	24.5	43.1	S	32.5	S	45.4
10,000 to 49,999 lb	20.7	16.1	18.1	6.0	S	S	S	40.5	46.7	42.8
50,000 to 99,999 lb	S	S	S	22.4	—	—	—	—	—	—
100,000 lb or more	S	S	S	21.8	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7.1	10.6	16.3	8.8	8.0	13.0	16.4	12.3	15.8	17.1
Less than 50 lb	11.1	22.2	31.8	10.9	14.0	13.0	10.3	17.6	14.8	14.7
50 to 99 lb	9.0	17.9	26.8	8.5	14.1	14.1	12.1	25.3	13.2	13.5
100 to 499 lb	8.5	8.7	15.4	8.0	15.9	12.6	14.1	32.2	17.9	18.6
500 to 749 lb	8.8	7.8	14.3	8.1	16.8	15.4	14.7	16.5	19.7	19.4
750 to 999 lb	8.6	7.2	9.9	8.2	19.2	17.9	15.6	19.6	21.3	23.3
1,000 to 9,999 lb	6.4	8.2	11.7	4.8	10.4	10.4	12.0	14.7	14.5	15.3
10,000 to 49,999 lb	13.7	18.7	25.4	11.3	14.2	15.5	22.1	24.7	25.7	26.8
50,000 to 99,999 lb	39.8	46.6	S	22.4	S	S	S	S	S	S
100,000 lb or more	37.5	35.9	42.4	32.4	45.8	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products	3.9	4.6	9.7	4.2	7.8	12.5	11.6	11.6	16.7	18.8
Less than 50 lb	6.1	7.1	10.2	4.3	11.5	11.1	10.2	10.0	9.1	9.2
50 to 99 lb	5.9	5.4	7.4	6.2	9.1	10.7	9.2	12.9	9.2	9.4
100 to 499 lb	5.2	11.2	8.7	4.4	8.5	9.4	9.2	11.3	15.1	15.3
500 to 749 lb	21.7	9.2	10.6	4.0	13.2	14.2	12.9	14.9	17.9	20.4
750 to 999 lb	10.2	9.5	9.2	5.6	21.6	18.4	22.4	25.0	24.2	23.5
1,000 to 9,999 lb	8.0	7.7	8.8	4.8	10.2	11.8	11.6	11.4	12.3	13.3
10,000 to 49,999 lb	9.1	7.8	8.8	5.8	25.3	18.7	14.0	25.2	26.1	28.8
50,000 to 99,999 lb	16.4	13.7	39.6	16.2	24.0	24.0	25.8	22.3	25.9	26.4
100,000 lb or more	26.1	48.1	S	14.9	45.2	S	S	S	S	S
SCTG 41, Waste and scrap	9.5	10.4	9.1	18.1	13.5	15.4	19.5	14.9	15.2	14.5
Less than 50 lb	S	S	S	19.8	S	44.7	S	S	S	S
50 to 99 lb	S	S	S	28.0	S	S	S	—	—	—
100 to 499 lb	43.7	S	S	21.6	S	S	S	S	46.3	43.6
500 to 749 lb	S	S	S	26.7	S	S	S	S	S	S
750 to 999 lb	S	43.6	49.2	S	49.2	S	49.4	S	S	S
1,000 to 9,999 lb	19.0	35.6	29.9	43.3	23.6	38.7	S	47.3	S	S
10,000 to 49,999 lb	12.4	14.2	11.3	11.8	20.4	24.2	29.8	17.0	19.4	18.8
50,000 to 99,999 lb	9.1	20.1	23.7	11.6	13.0	18.8	15.1	21.1	19.2	19.8
100,000 lb or more	9.9	9.9	10.4	9.8	17.3	20.7	29.3	18.1	18.9	19.9
SCTG 43, Mixed freight	8.0	15.3	46.8	13.3	9.0	10.3	10.5	13.8	18.7	17.5
Less than 50 lb	29.3	28.3	S	14.8	15.8	20.1	26.2	21.9	28.9	31.8
50 to 99 lb	12.3	16.0	22.7	22.7	16.8	19.0	20.9	21.1	24.0	22.9
100 to 499 lb	16.1	22.6	14.7	18.4	20.3	29.0	25.9	15.2	18.7	18.4
500 to 749 lb	14.2	18.0	14.3	17.3	17.8	23.6	19.5	22.3	19.0	17.4
750 to 999 lb	16.1	13.9	27.4	29.1	24.0	20.7	21.1	20.6	21.0	21.4
1,000 to 9,999 lb	11.5	12.5	13.8	17.6	13.3	15.3	15.2	11.7	11.3	11.5
10,000 to 49,999 lb	12.5	12.8	12.6	10.5	13.4	12.7	13.5	21.4	25.9	24.3
50,000 to 99,999 lb	29.0	27.4	41.5	S	38.5	36.6	34.8	S	S	S
100,000 lb or more	S	S	S	22.9	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	11.1	27.7	40.8	11.9	14.1	24.6	23.1	21.3	33.8	32.5
Less than 50 lb	19.5	24.5	30.5	12.2	31.3	39.2	22.1	44.6	42.0	42.0
50 to 99 lb	30.0	19.8	33.4	16.8	33.7	30.2	25.9	S	40.6	43.2
100 to 499 lb	18.5	15.0	21.7	13.9	22.3	22.9	21.9	22.0	23.4	27.1
500 to 749 lb	35.4	22.3	18.5	28.0	S	28.3	31.3	40.5	S	S
750 to 999 lb	26.8	25.0	18.7	29.9	S	38.1	46.6	S	S	S
1,000 to 9,999 lb	14.7	22.2	20.6	24.8	29.0	36.7	32.7	36.0	33.7	35.2
10,000 to 49,999 lb	19.3	21.6	24.9	29.4	23.3	32.3	29.2	34.1	30.0	29.0
50,000 to 99,999 lb	42.4	39.9	48.4	18.9	45.0	37.6	40.8	S	S	S
100,000 lb or more	42.1	48.9	S	25.2	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	2.0	2.2	2.8	2.5	3.4	4.5	1.8	7.1	8.0	3.3	7.5	7.4
Less than 50 lb	3.9	3.5	3.6	4.5	6.6	6.9	4.8	5.7	5.9	4.5	11.8	11.4
50 to 99 lb	5.3	5.2	5.1	9.8	7.0	6.8	11.9	9.8	9.5	7.8	8.9	8.2
100 to 499 lb	4.7	3.2	3.3	7.0	7.5	6.7	8.1	4.7	4.7	5.7	5.0	5.1
500 to 749 lb	9.8	3.7	3.8	5.6	5.7	7.2	10.3	8.0	8.0	21.7	7.8	8.0
750 to 999 lb	6.8	3.2	3.3	7.7	5.1	4.8	8.5	4.5	4.6	10.9	7.5	7.7
1,000 to 9,999 lb	4.3	4.0	4.0	3.9	3.2	3.5	4.2	3.6	3.6	6.3	5.1	4.9
10,000 to 49,999 lb	1.9	2.2	2.2	4.6	3.1	3.3	3.1	3.0	3.0	3.8	10.8	11.0
50,000 to 99,999 lb	7.6	6.7	7.6	20.2	9.7	9.5	18.1	10.4	9.9	26.1	19.7	19.5
100,000 lb or more	16.2	5.4	6.2	8.4	7.1	8.0	5.8	11.0	11.6	7.8	10.2	9.5
SCTG 01, Live animals and live fish	34.3	33.1	41.4	34.0	35.0	36.0	39.7	29.0	29.7	S	S	S
Less than 50 lb	S	47.3	49.6	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	—	—	S	S	S	S	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	29.8	35.1	34.9	S	S	S	S	S	S
10,000 to 49,999 lb	34.7	32.7	40.6	46.2	43.4	44.7	29.9	32.0	32.7	S	S	S
50,000 to 99,999 lb	29.1	28.7	33.8	39.0	31.6	32.6	36.7	32.6	33.1	—	—	—
100,000 lb or more	46.9	S	S	S	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	13.1	14.0	15.7	14.8	14.2	14.4	12.7	21.9	22.3	16.3	16.5	15.3
Less than 50 lb	S	44.2	42.1	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	46.3	47.2	S	S	S	S	S	S
100 to 499 lb	43.6	34.7	36.7	S	S	S	S	S	S	S	S	S
500 to 749 lb	46.0	45.8	48.5	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	42.0	24.3	23.2	40.1	28.3	29.1	S	S	S	S	S	S
10,000 to 49,999 lb	45.8	21.1	20.5	29.9	43.8	45.6	34.1	22.7	22.4	34.3	36.3	34.6
50,000 to 99,999 lb	15.8	17.1	20.7	26.1	26.0	25.4	S	S	S	S	S	S
100,000 lb or more	19.4	18.7	20.4	16.6	16.0	15.6	13.6	22.8	23.1	18.2	16.8	15.6
SCTG 03, Other agricultural products	22.3	20.7	21.9	12.6	17.4	20.1	19.4	21.7	23.0	10.4	11.2	12.2
Less than 50 lb	33.4	33.4	32.9	47.8	S	S	45.4	S	S	S	42.3	40.1
50 to 99 lb	47.1	21.4	21.4	41.5	30.3	30.9	48.9	S	S	S	48.1	48.1
100 to 499 lb	17.2	24.4	25.5	37.5	36.0	34.2	47.9	39.2	39.0	34.3	44.3	41.7
500 to 749 lb	30.9	22.9	43.0	46.5	43.4	43.4	S	43.2	46.2	S	45.9	47.8
750 to 999 lb	46.9	34.3	38.1	44.7	40.3	41.8	S	48.1	47.1	S	S	S
1,000 to 9,999 lb	18.8	18.8	19.0	22.6	22.3	21.2	22.3	35.2	34.3	32.9	47.2	45.9
10,000 to 49,999 lb	42.6	29.8	28.8	26.0	40.4	39.8	21.3	41.5	40.4	22.8	25.6	25.8
50,000 to 99,999 lb	24.8	25.3	26.8	30.4	33.1	29.6	41.6	42.1	41.2	S	S	S
100,000 lb or more	36.9	36.6	39.0	20.9	21.0	23.2	22.4	22.8	23.9	12.8	11.8	12.8
SCTG 04, Animal feed and products of animal origin, n.e.c.	9.2	7.6	7.9	9.2	9.2	8.1	9.5	11.4	12.6	13.3	11.4	11.6
Less than 50 lb	28.4	30.7	30.3	40.5	31.7	32.5	S	35.5	33.7	47.7	41.3	40.2
50 to 99 lb	44.3	40.7	42.0	34.6	31.4	31.1	S	39.8	39.8	S	37.2	36.8
100 to 499 lb	44.1	45.2	48.0	S	S	S	42.5	37.5	38.8	38.9	47.3	46.1
500 to 749 lb	S	S	S	S	S	S	30.8	33.4	35.2	S	48.2	49.7
750 to 999 lb	S	46.4	46.0	46.3	44.6	40.9	S	43.7	43.7	S	S	S
1,000 to 9,999 lb	24.4	20.6	20.7	25.0	40.5	43.5	24.0	30.3	32.6	38.9	43.7	43.1
10,000 to 49,999 lb	12.5	12.4	11.8	12.6	12.7	12.1	10.5	19.8	20.0	16.0	15.3	14.6
50,000 to 99,999 lb	10.4	10.6	11.8	18.6	21.4	21.6	26.9	28.6	29.7	29.8	36.1	38.1
100,000 lb or more	21.7	21.0	19.2	13.2	12.8	11.8	18.3	15.9	18.7	18.8	16.6	17.3
SCTG 05, Meat, fish, seafood, and their preparations	6.8	5.9	6.0	8.4	8.7	9.0	8.8	8.8	8.8	11.3	10.3	10.2
Less than 50 lb	40.2	30.9	29.2	S	S	S	S	49.5	48.6	S	S	S
50 to 99 lb	47.2	30.9	29.7	S	41.4	46.9	S	S	S	S	S	S
100 to 499 lb	11.6	11.0	11.7	28.2	28.5	28.0	21.9	18.2	18.5	24.1	21.5	22.8
500 to 749 lb	16.2	17.3	16.8	30.9	32.2	35.8	35.0	30.0	30.5	29.8	25.3	24.1
750 to 999 lb	16.7	15.8	17.2	26.4	25.2	25.8	36.7	27.0	28.0	36.5	41.1	41.7
1,000 to 9,999 lb	10.8	10.5	10.7	10.8	10.1	9.6	14.5	12.5	13.1	11.9	10.4	10.5
10,000 to 49,999 lb	7.2	6.4	6.7	9.1	9.6	10.0	9.7	10.2	10.3	12.6	11.4	11.3
50,000 to 99,999 lb	44.2	37.0	40.3	41.1	34.9	36.0	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	33.0	31.9	39.9	43.4	43.1	43.3	46.0	47.1
SCTG 06, Milled grain products and preparations, and bakery products	7.4	14.7	15.3	5.1	7.9	8.0	9.5	14.3	16.6	14.1	13.3	13.5
Less than 50 lb	S	25.7	27.6	S	S	S	S	S	S	S	S	S
50 to 99 lb	29.2	30.1	27.4	40.1	36.7	38.2	S	36.3	34.9	S	33.4	31.9
100 to 499 lb	30.5	23.3	24.7	26.9	35.1	32.9	20.5	14.9	16.7	28.5	31.4	31.5
500 to 749 lb	29.2	20.2	19.6	22.0	22.1	24.4	32.5	30.7	32.1	43.5	41.0	41.7
750 to 999 lb	22.7	21.9	21.4	23.3	27.1	23.6	S	41.3	42.5	49.8	S	S
1,000 to 9,999 lb	17.3	16.3	15.5	15.8	17.3	15.5	22.7	27.2	26.9	21.7	25.3	25.1
10,000 to 49,999 lb	9.6	9.8	8.7	6.2	9.9	10.4	11.1	9.2	9.2	18.5	13.6	13.0
50,000 to 99,999 lb	33.4	37.3	29.0	33.4	36.7	36.6	48.0	49.5	47.5	S	47.3	45.3
100,000 lb or more	22.2	25.5	28.6	7.9	12.0	12.6	21.2	23.6	25.8	21.8	20.5	20.3

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	5.2	5.6	5.3	5.3	7.2	8.6	5.6	7.1	7.9	7.9	11.3	11.7
Less than 50 lb	31.6	26.8	27.7	37.4	27.3	27.6	39.4	S	S	40.6	42.3	43.8
50 to 99 lb	33.4	27.7	29.5	40.5	22.4	22.2	35.3	36.6	37.7	S	S	S
100 to 499 lb	9.8	14.0	13.8	20.9	21.0	20.3	32.4	17.3	16.3	33.3	40.5	42.7
500 to 749 lb	13.1	16.5	14.7	22.0	19.2	21.8	16.1	17.7	16.8	46.9	S	S
750 to 999 lb	13.7	15.2	15.4	27.7	22.8	23.3	25.6	45.4	45.5	45.2	S	S
1,000 to 9,999 lb	7.8	10.6	10.6	12.2	12.3	13.0	11.4	8.7	8.9	13.7	9.4	9.0
10,000 to 49,999 lb	6.1	6.9	6.2	7.6	7.5	7.6	6.7	5.2	5.1	9.5	8.9	8.7
50,000 to 99,999 lb	16.7	13.6	15.6	18.3	18.4	19.1	25.6	32.5	31.9	37.0	33.3	32.6
100,000 lb or more	18.0	14.1	14.7	15.4	17.2	18.9	9.5	14.5	15.1	17.5	19.5	19.8
SCTG 08, Alcoholic beverages	17.4	17.1	17.0	21.1	24.3	24.4	18.6	19.8	20.4	42.4	37.3	37.0
Less than 50 lb	15.6	15.4	14.8	S	S	S	S	S	S	S	S	S
50 to 99 lb	21.7	21.2	19.8	27.9	22.9	22.7	S	S	S	S	—	—
100 to 499 lb	19.4	19.8	19.1	22.0	21.3	22.2	S	S	S	S	S	S
500 to 749 lb	28.4	29.0	28.7	36.2	38.4	37.7	S	S	S	—	—	—
750 to 999 lb	37.2	34.9	36.0	42.4	S	S	S	47.4	46.5	S	S	S
1,000 to 9,999 lb	20.3	21.7	22.3	S	27.8	27.3	46.7	39.5	42.7	46.4	36.9	36.0
10,000 to 49,999 lb	24.1	23.4	23.3	30.3	35.3	35.1	24.7	30.4	30.6	26.5	32.5	32.9
50,000 to 99,999 lb	23.6	23.2	23.7	38.0	32.4	35.1	S	S	S	—	—	—
100,000 lb or more	S	41.2	43.2	35.2	36.9	36.3	38.9	37.0	37.9	S	S	S
SCTG 09, Tobacco products	16.2	25.7	26.3	37.1	31.6	31.2	39.8	35.4	35.7	S	49.9	S
Less than 50 lb	25.7	16.3	16.8	S	28.1	27.6	34.9	35.5	36.0	46.3	37.0	37.5
50 to 99 lb	37.1	23.6	23.6	S	38.2	41.9	S	44.0	44.5	S	S	S
100 to 499 lb	21.8	18.6	18.7	36.6	29.2	30.6	46.8	42.7	43.6	S	45.8	44.9
500 to 749 lb	25.7	27.8	27.5	S	S	S	S	49.2	49.5	S	S	S
750 to 999 lb	49.0	41.8	39.3	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	25.5	36.9	36.9	46.2	45.6	45.1	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	43.6	40.8	32.4	29.1	29.7	35.7	29.1	29.3	44.8	39.4	40.0
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	45.8	49.1	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	47.7	38.6	39.9	S	S	S	42.2	45.3	45.7
10,000 to 49,999 lb	S	S	49.7	36.7	31.3	31.9	49.9	33.2	33.1	47.2	39.7	40.2
50,000 to 99,999 lb	45.9	S	44.1	S	S	S	46.7	41.8	42.7	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 11, Natural sands	14.3	23.1	21.0	18.2	30.4	30.1	24.4	31.9	31.9	18.4	S	S
Less than 50 lb	—	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	36.3	S	S	S	33.7	31.5	S	S	S	48.8	48.0	47.5
10,000 to 49,999 lb	18.0	23.5	21.9	23.3	41.7	41.2	23.5	30.1	29.1	31.9	S	S
50,000 to 99,999 lb	19.4	31.6	30.3	38.3	41.1	39.9	S	S	S	41.2	46.5	46.5
100,000 lb or more	22.8	25.2	23.9	38.3	38.8	39.8	29.7	34.5	33.9	27.1	29.6	32.8
SCTG 12, Gravel and crushed stone	22.1	15.2	14.7	15.7	23.7	22.1	24.9	34.6	35.7	35.3	48.9	48.0
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	38.3	41.7	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	48.0	22.8	25.2	43.0	28.0	28.7	46.7	32.9	33.2	S	S	S
50,000 to 99,999 lb	20.3	15.8	15.8	31.1	31.6	30.6	S	S	S	S	S	S
100,000 lb or more	16.4	16.3	15.7	17.7	25.1	23.3	28.2	36.2	37.0	45.6	S	S
SCTG 13, Nonmetallic minerals n.e.c.	15.8	24.1	24.4	18.6	27.8	28.0	22.5	22.8	22.1	15.8	18.9	19.6
Less than 50 lb	S	39.1	42.6	49.1	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	47.2	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	37.6	39.5	40.7	34.0	35.2	S	S	S	S	S	S
500 to 749 lb	34.6	34.4	36.9	48.4	43.6	44.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	29.6	44.0	44.9	34.8	41.7	41.9	44.1	S	S	42.8	S	S
10,000 to 49,999 lb	17.6	32.2	29.9	22.5	25.3	26.1	24.6	20.8	20.6	21.1	18.9	18.6
50,000 to 99,999 lb	30.5	28.9	28.2	46.0	24.7	23.2	49.1	S	S	S	46.2	48.6
100,000 lb or more	42.7	37.0	37.0	30.8	31.7	31.6	38.8	29.2	27.8	23.0	24.7	24.8

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	22.8	S	S	20.6	26.9	27.9	34.3	39.0	39.9	48.6	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	47.5	S	46.7	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	40.6	41.5	44.9	31.7	33.5	S	45.9	46.5	S	43.3	43.1
500 to 749 lb	40.6	34.5	32.9	S	39.7	40.3	S	44.2	46.9	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	28.6	28.8	42.9	35.1	41.2	43.1	35.6	39.0	41.9	40.0	40.8
10,000 to 49,999 lb	19.7	20.8	21.9	19.9	20.8	20.4	31.7	33.4	33.3	S	39.1	38.0
50,000 to 99,999 lb	S	41.7	43.4	S	S	48.9	S	S	S	S	S	S
100,000 lb or more	S	S	S	25.0	27.1	28.0	38.0	39.2	40.1	S	S	S
SCTG 15, Coal	24.0	21.8	18.2	20.8	23.9	20.9	38.6	39.3	43.6	31.9	30.8	30.5
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	47.6	48.3	44.6	S	S	49.9	49.9	49.7	S	S	S
50,000 to 99,999 lb	S	49.9	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	26.8	25.0	20.0	25.8	25.6	21.8	40.7	39.4	43.7	32.0	30.8	30.5
SCTG 17, Gasoline and aviation turbine fuel	22.3	22.8	23.8	S	S	49.9	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	24.2	26.7	27.3	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	17.1	17.6	18.4	36.2	33.0	33.0	S	S	S	S	S	S
50,000 to 99,999 lb	28.9	27.3	27.8	38.3	37.5	40.9	—	—	—	S	S	S
100,000 lb or more	33.3	32.9	36.0	S	S	S	—	—	—	S	S	S
SCTG 18, Fuel oils	17.2	16.7	17.0	36.1	37.8	38.9	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	29.1	29.8	26.4	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	24.8	26.0	28.1	30.6	30.0	31.6	S	S	S	S	S	S
50,000 to 99,999 lb	21.9	20.4	24.0	S	S	S	S	S	S	—	—	—
100,000 lb or more	26.7	25.9	26.4	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	17.3	23.8	25.2	12.6	26.0	24.3	18.2	33.3	37.3	17.3	18.6	18.7
Less than 50 lb	39.2	29.1	30.2	S	S	49.9	48.2	S	49.3	S	S	S
50 to 99 lb	35.3	34.2	35.8	S	48.7	S	38.1	37.0	37.1	S	S	S
100 to 499 lb	26.3	18.7	18.6	30.1	27.9	28.2	35.8	S	S	32.9	30.5	31.1
500 to 749 lb	29.5	30.0	29.3	41.8	34.5	33.5	40.2	41.3	42.4	S	S	S
750 to 999 lb	30.1	27.8	28.2	S	S	S	30.6	31.1	32.6	45.2	41.2	40.4
1,000 to 9,999 lb	50.0	45.4	48.5	27.7	31.7	36.2	20.8	20.7	19.9	25.3	24.4	24.7
10,000 to 49,999 lb	12.8	22.1	16.7	30.8	26.2	23.5	S	S	S	19.5	21.5	20.6
50,000 to 99,999 lb	27.5	31.9	31.3	32.8	42.3	46.5	S	S	S	S	S	S
100,000 lb or more	36.0	32.7	33.0	23.9	35.8	31.7	26.3	30.8	42.6	28.5	23.3	23.0
SCTG 20, Basic chemicals	7.9	24.1	27.4	10.0	28.1	29.4	11.4	30.4	34.1	10.0	28.2	30.1
Less than 50 lb	23.9	19.0	19.8	23.7	29.0	30.5	26.6	25.1	25.3	29.6	36.8	39.6
50 to 99 lb	31.5	22.2	31.4	20.9	21.5	26.7	34.4	34.6	34.6	35.3	36.5	34.5
100 to 499 lb	25.6	19.2	16.2	23.1	20.2	20.4	22.7	27.5	28.6	31.6	S	S
500 to 749 lb	17.2	17.6	16.3	36.7	29.4	29.0	38.1	36.3	36.9	S	S	S
750 to 999 lb	45.8	16.5	19.6	S	38.8	38.0	43.1	26.9	27.2	43.2	30.9	30.7
1,000 to 9,999 lb	12.6	24.3	24.5	26.4	16.1	15.0	20.6	15.5	15.1	25.9	15.3	16.0
10,000 to 49,999 lb	10.1	17.2	16.4	10.9	14.3	14.5	15.1	12.6	12.3	16.1	12.4	12.0
50,000 to 99,999 lb	23.9	27.9	28.4	S	45.9	47.8	S	42.4	42.1	35.1	S	S
100,000 lb or more	29.8	49.4	S	24.2	43.1	43.3	21.0	47.7	S	28.8	36.0	36.8
SCTG 21, Pharmaceutical products	11.8	9.5	10.2	26.4	17.3	16.7	14.3	13.8	14.2	27.2	S	S
Less than 50 lb	13.8	12.4	11.7	13.7	15.7	14.8	15.6	21.7	21.2	19.5	21.5	21.6
50 to 99 lb	15.1	12.1	11.4	19.8	23.2	23.9	29.7	23.7	24.0	44.1	24.9	25.7
100 to 499 lb	17.7	12.2	12.9	36.8	27.6	26.2	27.3	17.2	18.4	21.7	16.6	18.2
500 to 749 lb	32.7	17.9	18.1	24.0	28.8	32.5	S	43.8	42.9	S	23.2	22.9
750 to 999 lb	S	32.2	34.7	S	27.2	28.4	35.0	48.2	S	S	30.4	29.8
1,000 to 9,999 lb	24.6	18.6	19.3	S	29.3	29.6	29.2	22.4	23.5	36.5	21.0	20.5
10,000 to 49,999 lb	S	25.4	26.1	26.1	28.5	28.9	26.9	20.0	19.8	34.4	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	42.1	48.5	S	S	S	S	43.9	43.2	39.1	30.6	39.5	39.0
Less than 50 lb	47.7	43.1	44.0	S	S	S	S	S	S	S	S	S
50 to 99 lb	47.8	43.6	49.0	S	S	S	S	S	S	S	S	S
100 to 499 lb	48.0	26.5	27.4	S	S	S	49.5	S	S	—	—	—
500 to 749 lb	42.3	44.9	40.3	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	29.4	21.2	21.1	30.3	26.8	28.7	40.7	41.4	42.0	S	S	S
10,000 to 49,999 lb	42.3	S	48.9	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	22.1	18.5	18.2	27.5	28.6	28.1	49.9	45.2	44.3	S	S	S
100,000 lb or more	S	S	S	S	S	S	45.8	34.3	31.3	37.4	37.6	38.9
SCTG 23, Chemical products and preparations, n.e.c.	9.2	11.3	11.8	8.0	7.9	7.6	7.3	8.1	7.4	12.9	11.9	12.3
Less than 50 lb	17.3	19.7	16.8	19.0	15.0	15.7	32.4	26.8	25.4	18.0	18.2	18.5
50 to 99 lb	24.2	18.2	15.8	18.8	17.7	18.5	25.1	19.0	19.4	28.0	19.3	19.2
100 to 499 lb	14.0	15.4	12.4	16.4	16.6	25.1	17.7	17.7	22.5	16.2	16.2	16.0
500 to 749 lb	42.0	19.7	21.9	17.0	10.8	10.7	12.7	13.0	13.2	S	25.1	25.5
750 to 999 lb	15.6	17.6	16.9	16.8	21.5	22.3	25.3	18.4	18.5	S	25.4	25.8
1,000 to 9,999 lb	14.1	17.9	19.0	17.3	10.0	9.2	10.0	10.1	9.8	10.5	14.1	14.0
10,000 to 49,999 lb	12.0	12.8	12.8	9.0	8.8	8.3	8.7	7.2	6.9	14.7	13.9	14.1
50,000 to 99,999 lb	39.0	49.1	44.4	33.0	33.0	31.0	39.2	40.8	42.2	S	S	S
100,000 lb or more	32.0	33.0	32.0	29.3	30.4	34.4	46.2	S	S	44.7	33.3	33.8
SCTG 24, Plastics and rubber	7.2	7.9	7.4	5.0	5.7	5.1	6.3	7.0	7.7	7.8	9.8	10.1
Less than 50 lb	13.8	12.8	15.1	12.3	19.5	19.8	10.7	16.9	17.0	26.8	46.9	45.2
50 to 99 lb	12.6	20.6	18.1	11.6	12.4	11.7	13.9	13.7	13.2	19.1	20.5	20.4
100 to 499 lb	8.1	7.7	8.3	8.4	7.4	7.7	8.2	7.4	7.4	16.1	12.4	12.6
500 to 749 lb	7.8	8.8	9.3	10.4	12.4	11.0	14.3	12.4	12.7	34.9	20.1	21.4
750 to 999 lb	8.8	10.2	11.5	13.0	12.7	13.1	25.9	23.8	25.0	27.0	15.6	15.9
1,000 to 9,999 lb	8.5	9.5	8.4	5.2	9.3	9.0	6.3	9.8	9.9	8.4	10.9	10.9
10,000 to 49,999 lb	10.2	9.9	10.2	8.9	8.4	7.9	9.9	8.5	9.4	12.2	13.9	14.9
50,000 to 99,999 lb	39.6	43.8	41.4	46.9	40.8	38.4	S	47.1	48.2	S	49.8	S
100,000 lb or more	22.7	17.1	17.1	14.2	23.7	17.2	22.8	23.5	23.2	31.3	30.4	30.5
SCTG 25, Logs and other wood in the rough	20.3	26.0	25.2	24.7	S	S	34.1	33.9	33.7	47.4	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	48.7	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	42.7	45.0	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	26.3	39.2	36.7	43.6	S	S	32.8	43.6	42.8	S	46.1	46.0
50,000 to 99,999 lb	34.2	42.6	42.8	47.3	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	42.9	S	S	S	S	S	S	S	S
SCTG 26, Wood products	10.3	9.0	8.7	9.6	9.0	9.4	12.7	12.0	11.6	17.8	15.1	14.7
Less than 50 lb	23.8	18.0	19.2	26.9	34.9	34.5	27.5	34.4	34.9	25.3	21.5	21.8
50 to 99 lb	16.1	15.0	15.4	21.0	24.5	24.8	24.5	20.5	20.8	20.3	19.9	20.5
100 to 499 lb	14.5	10.7	11.9	25.0	19.9	18.7	29.8	19.2	18.7	15.4	14.4	13.5
500 to 749 lb	14.8	18.6	18.4	41.4	18.8	18.2	26.6	20.6	22.2	15.8	16.9	16.4
750 to 999 lb	13.2	14.2	12.9	30.6	15.6	17.2	18.8	23.1	24.9	37.4	30.0	30.7
1,000 to 9,999 lb	11.4	10.0	10.2	11.4	10.5	10.0	9.6	15.4	13.9	12.2	11.2	11.3
10,000 to 49,999 lb	13.3	9.2	8.5	11.7	10.2	10.5	18.4	14.1	14.1	24.0	20.1	19.7
50,000 to 99,999 lb	15.4	18.4	18.2	21.8	21.7	21.9	S	S	S	24.6	24.5	25.6
100,000 lb or more	30.2	39.8	36.5	27.6	23.6	24.5	20.0	23.4	22.3	34.7	31.4	31.3
SCTG 27, Pulp, newsprint, paper, and paperboard	10.0	10.9	11.4	11.8	10.3	10.5	12.4	10.6	10.9	15.6	21.5	20.7
Less than 50 lb	19.1	17.8	19.2	26.2	28.5	29.4	26.3	26.8	26.7	27.4	29.6	29.5
50 to 99 lb	18.2	17.0	17.6	27.7	32.4	33.0	47.5	49.6	S	S	49.3	48.7
100 to 499 lb	21.7	14.6	16.0	28.1	26.2	27.2	30.0	32.4	32.5	41.4	44.8	43.3
500 to 749 lb	15.6	11.5	12.5	46.6	33.6	32.7	43.0	40.9	38.7	S	46.7	46.8
750 to 999 lb	31.2	20.5	22.7	29.2	31.9	30.5	45.4	43.4	45.0	37.7	S	S
1,000 to 9,999 lb	18.8	15.1	17.5	23.5	16.6	17.2	23.1	18.2	19.0	40.8	31.7	32.6
10,000 to 49,999 lb	9.9	12.4	13.2	15.6	13.0	13.5	16.5	13.4	14.8	13.9	27.8	27.6
50,000 to 99,999 lb	37.8	31.2	32.0	23.6	27.8	29.4	29.7	32.6	32.4	30.1	21.8	21.4
100,000 lb or more	20.6	18.4	18.3	24.4	16.7	16.4	19.3	18.2	16.1	31.5	23.1	21.9
SCTG 28, Paper or paperboard articles	6.1	7.5	8.0	7.5	8.1	7.9	8.9	9.6	9.7	8.1	14.4	14.6
Less than 50 lb	22.4	15.5	16.2	17.1	14.0	13.4	27.7	21.5	20.8	32.4	22.4	22.5
50 to 99 lb	23.4	13.0	16.0	21.6	25.3	25.9	19.4	21.4	20.6	30.1	20.3	20.5
100 to 499 lb	12.7	11.6	11.9	13.7	14.4	14.0	19.2	16.4	17.1	33.0	18.0	18.3
500 to 749 lb	15.9	15.4	15.0	19.0	20.2	20.8	S	15.8	16.1	39.5	47.8	49.7
750 to 999 lb	17.8	13.7	12.6	17.6	17.4	16.3	43.7	40.4	39.3	26.4	25.1	24.5
1,000 to 9,999 lb	8.7	10.0	10.6	10.1	10.6	10.9	17.2	18.0	18.2	15.1	26.9	28.0
10,000 to 49,999 lb	9.2	8.4	8.7	10.7	10.7	10.3	13.5	11.8	12.2	10.1	14.8	15.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	5.0	6.2	5.7	6.0	8.7	9.9	8.7	12.2	12.2	9.6	12.7	13.7
Less than 50 lb	14.1	10.1	9.1	12.6	15.3	16.0	12.5	19.0	19.2	20.0	42.7	41.7
50 to 99 lb	24.0	25.0	24.8	24.1	20.0	18.6	26.5	32.7	32.9	44.2	21.0	19.6
100 to 499 lb	14.8	13.4	12.6	22.1	16.4	15.5	29.1	24.6	24.0	38.5	32.8	33.3
500 to 749 lb	15.0	17.7	15.6	38.6	S	S	21.6	12.2	12.2	22.6	17.6	17.8
750 to 999 lb	15.0	17.7	16.3	23.3	13.8	13.5	20.6	22.1	23.0	32.0	S	S
1,000 to 9,999 lb	10.0	9.8	9.9	12.4	23.1	26.6	24.3	31.8	31.8	12.3	28.6	30.4
10,000 to 49,999 lb	10.0	9.1	9.5	9.6	9.9	10.8	12.7	15.7	15.4	16.9	10.8	10.6
50,000 to 99,999 lb	S	S	49.0	47.1	S	47.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	47.7	S	49.8	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	17.9	25.4	28.5	14.8	14.2	14.7	13.8	17.7	17.2	11.5	14.0	14.3
Less than 50 lb	15.2	8.7	9.6	16.8	12.5	13.0	16.4	17.0	17.8	14.4	21.9	21.5
50 to 99 lb	15.5	15.7	15.5	49.0	34.5	29.4	S	46.6	48.4	20.7	24.4	24.7
100 to 499 lb	19.5	12.8	14.1	19.9	16.5	15.7	18.9	16.5	16.6	28.9	24.3	22.9
500 to 749 lb	19.3	14.7	14.9	28.4	21.5	20.9	14.7	16.9	17.1	23.1	19.3	20.2
750 to 999 lb	18.4	19.7	18.3	19.2	23.1	22.6	28.5	20.9	21.3	39.7	23.1	22.7
1,000 to 9,999 lb	22.7	17.5	19.0	18.8	23.2	25.1	21.9	24.0	24.6	17.3	20.5	21.3
10,000 to 49,999 lb	37.0	S	S	36.5	30.7	30.6	36.4	36.9	36.4	30.6	30.7	31.6
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	6.2	7.6	8.7	7.4	14.0	15.3	7.4	12.9	14.4	8.5	21.6	24.3
Less than 50 lb	27.7	24.3	24.5	19.2	43.4	44.6	15.1	19.0	19.1	21.2	S	S
50 to 99 lb	19.2	16.6	18.0	28.5	37.8	35.6	20.8	24.1	24.2	33.6	32.9	32.3
100 to 499 lb	13.2	23.0	20.9	20.5	17.2	17.5	30.3	25.1	25.6	24.3	18.9	19.5
500 to 749 lb	21.9	30.2	27.6	16.6	16.1	19.8	48.8	S	S	36.7	20.0	19.7
750 to 999 lb	18.8	19.4	17.6	21.8	25.6	24.5	39.5	32.7	35.2	S	46.8	48.9
1,000 to 9,999 lb	13.6	11.5	12.1	31.9	19.2	19.2	11.9	16.1	17.1	15.7	9.5	9.5
10,000 to 49,999 lb	8.1	8.3	8.9	8.7	6.2	6.3	8.5	7.2	7.6	12.7	19.6	22.2
50,000 to 99,999 lb	8.7	8.0	7.9	21.9	28.5	25.6	S	S	S	34.0	S	S
100,000 lb or more	19.3	19.9	23.5	29.1	34.6	34.5	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	5.8	6.8	8.7	7.6	10.7	11.1	5.8	10.9	11.4	10.9	20.9	22.8
Less than 50 lb	18.7	17.0	17.5	26.8	12.7	13.3	26.4	18.2	17.9	32.2	18.6	18.6
50 to 99 lb	19.4	19.4	19.3	12.6	11.4	12.1	17.6	15.5	14.3	41.1	15.0	14.9
100 to 499 lb	14.4	10.4	10.0	15.4	14.5	12.9	14.3	11.2	11.3	15.9	16.5	15.9
500 to 749 lb	13.0	9.3	9.9	13.0	14.2	13.5	18.4	13.3	12.9	32.9	30.4	30.2
750 to 999 lb	36.6	11.1	11.1	18.5	12.6	12.5	14.5	13.2	13.7	16.4	25.0	24.1
1,000 to 9,999 lb	10.9	13.0	11.6	6.8	8.2	7.8	5.5	6.6	6.7	15.6	10.5	10.5
10,000 to 49,999 lb	8.1	8.6	9.3	10.1	12.5	13.3	7.3	10.0	10.1	8.4	14.3	15.5
50,000 to 99,999 lb	11.7	10.2	9.9	15.6	15.9	16.2	27.0	20.0	19.1	44.8	43.9	45.7
100,000 lb or more	19.9	20.4	27.2	24.1	16.2	16.7	17.5	22.0	22.7	32.3	32.1	33.3
SCTG 33, Articles of base metal	5.0	8.9	10.4	8.1	12.9	13.3	12.2	22.6	22.4	7.4	S	S
Less than 50 lb	8.3	9.0	9.5	20.3	27.6	31.7	11.8	24.9	25.0	12.2	22.9	24.7
50 to 99 lb	28.1	21.0	18.2	S	37.9	37.9	48.1	44.5	42.1	16.6	13.2	13.0
100 to 499 lb	9.6	10.3	9.6	8.9	12.4	10.3	42.3	25.8	25.0	18.1	13.0	12.8
500 to 749 lb	14.7	11.0	13.0	26.7	19.3	18.8	16.4	22.6	23.1	47.6	21.5	20.6
750 to 999 lb	27.2	17.0	17.4	19.8	13.8	14.2	29.5	15.6	14.7	32.1	24.8	24.6
1,000 to 9,999 lb	10.4	11.7	13.4	10.0	18.1	19.3	12.3	20.0	20.4	22.6	43.0	41.5
10,000 to 49,999 lb	6.2	13.6	15.2	8.5	17.3	17.9	10.7	33.3	33.5	9.7	S	S
50,000 to 99,999 lb	39.1	34.9	34.6	27.2	29.3	28.6	34.0	S	S	S	34.4	34.3
100,000 lb or more	S	S	S	35.5	31.9	31.2	31.1	29.9	29.5	S	S	S
SCTG 34, Machinery	8.7	11.0	10.1	5.3	5.9	5.9	4.8	6.1	5.9	6.3	9.7	11.6
Less than 50 lb	13.5	19.0	18.3	19.2	27.0	30.5	10.2	9.7	9.7	7.9	14.4	14.6
50 to 99 lb	11.7	12.9	13.0	13.2	9.6	9.7	11.1	8.1	8.4	18.9	12.5	12.3
100 to 499 lb	10.5	11.2	11.7	8.2	8.2	8.3	8.2	7.1	7.1	10.2	15.2	15.7
500 to 749 lb	13.0	11.8	11.2	10.0	9.3	9.0	17.9	12.0	12.8	14.8	14.8	14.6
750 to 999 lb	18.6	15.7	16.9	16.1	15.1	13.6	20.7	20.0	19.8	22.3	15.8	14.3
1,000 to 9,999 lb	6.6	7.7	7.6	7.2	7.8	7.6	7.9	8.7	8.8	11.9	10.3	10.8
10,000 to 49,999 lb	10.5	14.1	13.1	10.7	7.3	7.3	6.9	9.4	9.2	8.8	9.6	9.1
50,000 to 99,999 lb	36.2	23.8	24.0	28.2	25.1	27.2	27.9	23.4	23.4	S	S	S
100,000 lb or more	48.4	50.0	48.4	33.4	31.1	31.5	33.8	33.9	33.8	48.4	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	10.3	6.2	6.4	7.8	10.1	10.1	6.2	5.1	4.8	11.7	6.3	6.2
Less than 50 lb	8.5	9.2	9.3	7.4	8.4	8.6	13.9	8.6	9.1	8.3	20.9	20.8
50 to 99 lb	10.6	11.0	11.2	12.7	14.0	13.6	14.2	12.4	12.1	12.9	17.3	18.2
100 to 499 lb	11.0	6.8	8.3	15.7	14.0	14.5	19.3	19.5	20.4	17.4	12.1	12.6
500 to 749 lb	35.5	20.9	22.8	9.9	17.5	19.3	29.6	14.9	15.3	16.7	12.2	12.2
750 to 999 lb	17.1	14.6	14.4	15.5	11.5	13.0	37.7	24.1	23.6	16.7	20.7	20.9
1,000 to 9,999 lb	29.2	12.9	12.1	9.9	8.8	8.5	8.8	8.6	8.7	34.1	10.3	10.3
10,000 to 49,999 lb	16.0	11.4	11.5	17.6	16.2	15.8	14.0	8.9	8.5	26.5	10.0	9.8
50,000 to 99,999 lb	S	S	S	S	S	S	41.4	34.8	33.0	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	8.3	15.1	16.8	7.9	6.6	8.3	7.1	6.8	6.7	12.6	17.3	17.0
Less than 50 lb	9.4	12.8	13.2	11.2	14.9	13.4	16.4	19.4	19.4	16.5	23.3	22.2
50 to 99 lb	19.9	15.6	18.4	18.0	19.6	19.9	22.5	22.3	22.3	27.6	24.7	24.2
100 to 499 lb	24.2	14.7	14.5	32.6	19.4	19.4	35.4	18.5	19.2	33.5	30.6	31.1
500 to 749 lb	18.9	7.5	7.9	22.5	22.6	25.1	16.7	40.3	37.4	40.0	25.3	26.2
750 to 999 lb	26.6	28.3	24.4	26.8	20.8	20.0	19.9	23.9	23.2	48.1	26.4	27.0
1,000 to 9,999 lb	13.6	8.8	8.9	13.7	7.4	7.9	13.1	9.2	9.6	17.6	12.0	12.4
10,000 to 49,999 lb	8.1	6.3	6.6	14.8	8.7	8.2	13.3	10.1	9.9	19.2	15.9	15.9
50,000 to 99,999 lb	27.8	22.2	23.4	32.5	17.1	16.9	23.0	13.2	13.1	31.3	30.0	30.5
100,000 lb or more	S	S	S	43.8	S	S	25.3	21.0	21.2	47.6	S	S
SCTG 37, Transportation equipment, n.e.c.	18.4	31.8	37.1	12.5	19.7	20.0	17.0	37.0	43.4	18.6	24.1	22.4
Less than 50 lb	17.5	17.3	17.3	27.8	31.5	30.1	22.3	25.7	32.0	24.2	39.9	44.6
50 to 99 lb	44.6	43.2	43.2	33.3	33.5	28.1	33.7	22.2	21.9	43.0	35.0	35.4
100 to 499 lb	S	27.9	27.2	38.2	24.6	25.8	39.2	27.7	28.7	27.4	27.4	26.3
500 to 749 lb	44.0	31.4	33.7	S	32.8	33.2	48.4	S	S	S	31.3	31.3
750 to 999 lb	S	S	S	S	37.1	37.2	S	45.0	46.9	S	48.9	49.9
1,000 to 9,999 lb	17.5	14.9	14.0	15.7	13.6	14.3	23.4	21.2	21.0	39.6	28.9	29.0
10,000 to 49,999 lb	19.5	30.7	28.6	30.4	30.2	32.2	46.7	26.2	27.3	48.9	34.3	32.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	46.5	38.3	39.9	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	11.3	11.3	11.6	7.1	17.1	16.6	5.8	13.5	13.5	8.3	17.7	18.1
Less than 50 lb	14.3	11.0	10.5	10.0	8.6	8.6	7.9	13.8	13.4	12.2	19.3	19.0
50 to 99 lb	17.5	26.7	24.1	13.8	21.2	22.7	19.0	13.6	14.5	30.3	49.0	S
100 to 499 lb	25.0	20.6	25.9	17.8	19.9	20.6	21.9	16.7	18.2	16.0	17.5	16.9
500 to 749 lb	S	S	S	33.7	19.7	19.5	32.4	31.5	31.3	31.5	38.3	37.4
750 to 999 lb	40.3	41.3	41.0	31.4	22.7	22.2	36.9	31.5	31.7	41.8	33.3	33.1
1,000 to 9,999 lb	24.9	22.7	22.5	15.3	17.1	16.7	17.6	24.8	25.9	28.8	18.4	18.3
10,000 to 49,999 lb	34.1	32.3	31.1	S	S	S	37.2	27.6	27.2	S	45.7	45.0
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.4	13.2	14.7	7.7	11.1	11.0	11.3	14.4	13.8	12.3	18.6	18.8
Less than 50 lb	22.0	23.9	22.7	16.9	36.9	34.9	22.2	37.2	35.3	28.3	36.9	36.8
50 to 99 lb	15.2	15.8	16.6	21.9	31.9	38.0	22.8	40.7	41.5	43.4	S	S
100 to 499 lb	8.9	9.0	9.4	13.0	10.3	10.9	9.5	11.8	11.8	16.6	23.8	24.7
500 to 749 lb	22.6	18.2	18.2	13.9	18.2	20.4	14.9	11.7	11.8	19.8	22.7	23.4
750 to 999 lb	19.4	16.6	16.9	16.0	14.5	14.6	33.1	15.9	14.9	16.3	30.0	31.9
1,000 to 9,999 lb	11.7	11.3	10.6	11.3	11.8	13.2	10.0	15.4	14.9	16.7	21.4	22.4
10,000 to 49,999 lb	21.3	22.6	23.5	16.0	23.2	22.8	24.6	26.3	25.4	28.0	37.9	38.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products	7.9	5.8	6.1	3.6	5.7	5.6	5.9	7.7	7.8	6.0	12.3	12.1
Less than 50 lb	7.4	7.1	8.0	6.8	8.7	9.3	8.8	15.8	15.8	13.9	13.7	14.7
50 to 99 lb	7.8	10.1	11.0	7.6	10.2	10.4	16.1	10.1	9.8	12.4	7.7	7.8
100 to 499 lb	10.2	9.0	9.6	7.1	40.6	37.9	8.8	8.0	7.8	7.9	7.3	7.1
500 to 749 lb	S	13.6	11.7	15.8	9.8	9.7	46.2	17.6	17.7	15.8	20.0	20.5
750 to 999 lb	18.0	24.0	22.5	25.8	12.9	13.5	24.5	17.6	18.1	15.1	16.4	16.7
1,000 to 9,999 lb	24.5	11.4	13.7	8.4	9.5	8.8	10.2	13.4	13.6	8.5	12.8	12.1
10,000 to 49,999 lb	14.6	8.0	8.3	9.6	7.7	7.4	11.3	9.9	10.5	14.3	23.5	23.2
50,000 to 99,999 lb	24.3	27.4	24.8	38.6	23.9	22.9	22.5	32.0	33.7	41.7	38.5	39.1
100,000 lb or more	36.6	S	S	37.4	43.4	41.5	S	S	49.7	S	S	S
SCTG 41, Waste and scrap .	19.6	12.1	12.8	11.8	16.2	16.7	14.3	20.9	20.4	24.7	25.5	25.5
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	45.8	29.3	26.2	39.9	37.1	37.0	S	S	S	S	S	S
10,000 to 49,999 lb	26.8	15.4	15.4	14.1	17.4	18.7	18.1	43.3	43.3	21.7	32.2	33.4
50,000 to 99,999 lb	14.4	36.6	37.0	30.9	S	S	46.6	39.0	39.7	47.2	35.9	36.5
100,000 lb or more	27.9	16.8	18.8	16.6	18.4	19.8	25.9	23.0	22.4	38.4	35.3	35.4
SCTG 43, Mixed freight	12.3	13.6	13.6	31.8	S	S	22.2	S	S	31.8	S	S
Less than 50 lb	38.9	31.8	36.9	S	S	S	S	S	S	S	S	S
50 to 99 lb	20.5	24.1	24.7	39.8	43.7	44.4	39.7	28.6	29.3	S	43.1	42.4
100 to 499 lb	19.1	16.8	17.3	33.0	28.8	27.8	37.1	32.3	31.0	25.3	29.5	30.5
500 to 749 lb	18.3	21.4	20.3	36.9	26.8	27.2	35.0	29.6	28.4	S	S	S
750 to 999 lb	16.7	19.3	19.3	35.0	25.6	25.5	S	S	S	S	S	S
1,000 to 9,999 lb	12.6	13.7	14.6	33.0	27.5	29.3	32.4	28.9	29.2	37.7	27.6	26.9
10,000 to 49,999 lb	20.5	19.7	19.7	44.2	25.0	24.9	25.2	21.3	21.8	44.9	32.4	31.7
50,000 to 99,999 lb	46.8	S	S	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	25.3	S	S	22.1	S	S	27.2	31.8	33.9	15.5	28.5	29.8
Less than 50 lb	29.1	31.6	32.6	28.6	34.7	28.7	34.8	31.9	31.9	39.6	39.7	38.5
50 to 99 lb	S	S	S	48.2	41.7	38.7	S	S	48.9	41.3	48.1	49.9
100 to 499 lb	28.8	30.4	30.2	39.3	35.1	35.1	25.6	S	S	35.2	26.5	24.9
500 to 749 lb	38.1	36.9	34.6	S	26.6	28.4	37.0	29.3	29.8	42.4	33.6	33.4
750 to 999 lb	35.9	44.0	44.0	45.8	33.2	40.7	29.3	34.2	32.9	S	S	S
1,000 to 9,999 lb	25.3	25.9	27.9	23.4	S	49.2	26.0	21.4	21.4	30.7	37.0	37.1
10,000 to 49,999 lb	22.1	30.7	29.6	39.6	27.1	27.5	42.9	34.0	32.8	37.9	30.4	29.8
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	2.8	8.2	9.0	3.2	3.9	3.8	6.2	8.9	9.8
Less than 50 lb	4.6	12.7	12.6	7.4	11.6	12.3	7.7	24.3	33.6
50 to 99 lb	9.3	9.7	10.8	10.7	10.4	10.7	30.3	28.6	28.2
100 to 499 lb	10.8	7.3	7.3	11.8	7.0	6.9	17.0	17.4	18.4
500 to 749 lb	13.4	16.4	14.3	34.3	42.5	44.0	24.6	16.3	15.9
750 to 999 lb	6.0	6.0	5.6	16.8	9.9	9.9	27.8	21.8	21.1
1,000 to 9,999 lb	7.3	9.8	9.6	7.2	5.1	5.1	11.2	9.0	8.8
10,000 to 49,999 lb	6.0	4.4	4.4	3.4	4.0	3.9	10.5	11.6	12.1
50,000 to 99,999 lb	30.4	16.9	17.9	28.1	15.6	15.9	S	48.5	S
100,000 lb or more	8.2	11.7	12.5	16.9	11.9	11.4	32.7	22.8	22.3
SCTG 01, Live animals and live fish	S	45.3	44.9	S	S	S	—	—	—
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	45.2	47.5	47.0	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	18.2	18.4	19.3	49.5	43.4	43.5	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	49.9	46.1	45.4	S	48.9	48.7	—	—	—
10,000 to 49,999 lb	46.4	33.3	34.6	S	45.2	45.2	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	18.7	18.5	19.4	—	—	—	—	—	—
SCTG 03, Other agricultural products	25.7	31.9	33.2	S	25.9	25.6	45.1	S	S
Less than 50 lb	37.7	48.3	46.5	38.3	43.5	44.4	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	29.1	30.7	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	33.3	43.8	41.6	S	S	S	S	S	S
10,000 to 49,999 lb	32.3	S	S	24.8	26.6	26.3	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	31.6	33.6	34.8	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	8.5	8.8	9.6	39.1	24.6	25.4	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	45.4	41.7	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	34.8	34.7	33.8	S	S	S	—	—	—
10,000 to 49,999 lb	11.0	11.5	12.6	20.3	19.2	19.1	S	S	S
50,000 to 99,999 lb	37.6	40.8	37.8	43.2	S	S	—	—	—
100,000 lb or more	17.3	15.9	16.4	S	42.6	42.4	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	15.6	14.7	14.8	12.9	11.8	12.3	37.0	38.8	38.2
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	48.5	46.6	46.6	S	S	S	S	S	S
100 to 499 lb	21.9	21.8	22.5	37.7	32.2	33.1	—	—	—
500 to 749 lb	46.9	31.0	30.1	49.8	32.7	32.8	—	—	—
750 to 999 lb	S	45.9	43.9	27.0	28.8	30.1	—	—	—
1,000 to 9,999 lb	15.5	13.3	13.1	11.0	11.6	11.6	S	S	S
10,000 to 49,999 lb	17.4	16.8	16.9	16.1	14.9	15.5	S	S	S
50,000 to 99,999 lb	48.2	43.3	42.5	S	S	S	S	S	S
100,000 lb or more	30.9	32.6	32.4	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	9.1	13.8	13.8	15.2	12.3	12.0	25.0	23.4	30.6
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	24.8	43.3	39.6	S	47.1	47.5	S	S	S
500 to 749 lb	40.3	41.3	40.6	44.4	42.0	42.8	S	S	S
750 to 999 lb	42.9	41.0	40.0	45.6	44.3	44.6	S	S	S
1,000 to 9,999 lb	21.9	21.1	19.2	26.0	22.7	23.0	S	S	S
10,000 to 49,999 lb	10.9	10.0	9.9	17.8	13.1	12.6	30.5	28.7	36.3
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	22.1	22.9	22.8	31.1	38.6	37.4	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	6.0	10.8	12.2	11.4	10.1	9.9	19.5	28.5	28.3
Less than 50 lb	S	S	S	S	S	S	S	S	49.1
50 to 99 lb	S	30.0	29.9	S	S	S	S	47.2	49.1
100 to 499 lb	23.6	21.2	22.1	26.7	23.2	23.8	S	S	S
500 to 749 lb	20.9	20.1	18.9	35.9	31.5	31.9	S	S	48.9
750 to 999 lb	29.3	28.1	28.8	47.0	28.8	28.8	S	45.1	43.4
1,000 to 9,999 lb	15.9	20.6	18.5	23.8	14.7	14.4	47.3	44.2	42.4
10,000 to 49,999 lb	9.2	7.6	7.5	15.7	10.8	10.4	32.1	37.4	36.8
50,000 to 99,999 lb	S	44.9	46.4	33.4	S	S	—	—	—
100,000 lb or more	15.2	17.8	18.7	22.1	19.5	19.3	S	S	S
SCTG 08, Alcoholic beverages	29.2	36.5	38.4	25.0	39.1	38.7	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	41.5	31.2	30.5	49.5	S	S	—	—	—
10,000 to 49,999 lb	26.0	35.2	34.6	30.3	37.8	37.4	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	48.3	48.0	48.1	S	S	S	—	—	—
SCTG 09, Tobacco products	42.9	39.2	38.7	S	S	S	S	S	S
Less than 50 lb	S	41.5	43.0	45.7	41.6	41.8	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	47.1	39.7	40.7	45.3	43.1	42.9	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	48.0	38.1	40.5	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	48.6	47.3	S	S	S	—	—	—
10,000 to 49,999 lb	S	38.5	41.0	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 11, Natural sands	S	43.5	41.6	36.0	33.7	35.8	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	38.7	33.6	34.2	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	44.0	42.0	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	22.7	23.0	23.1	45.8	34.8	34.3	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	21.6	22.1	21.2	S	40.3	40.1	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	29.0	25.9	25.9	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	32.7	S	S	45.5	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	45.1	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	37.8	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	43.6	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 15, Coal	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	39.6	29.7	25.3	20.3	S	S	S	S	S
Less than 50 lb	S	47.9	47.3	S	46.2	45.8	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	37.9	36.4	35.6	38.7	35.8	36.0	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	42.7	35.8	35.9	S	S	S	—	—	—
1,000 to 9,999 lb	42.3	S	S	34.7	43.2	43.8	S	S	S
10,000 to 49,999 lb	37.8	32.3	34.0	28.2	47.0	47.5	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	18.9	21.5	21.4	46.4	S	S	—	—	—
SCTG 20, Basic chemicals	14.5	38.3	38.6	14.6	14.7	14.4	20.2	26.5	27.9
Less than 50 lb	S	29.9	31.5	S	32.2	31.1	S	48.2	49.2
50 to 99 lb	S	43.4	44.6	S	45.3	46.5	S	S	S
100 to 499 lb	33.3	37.4	36.3	34.4	28.5	27.0	43.2	S	S
500 to 749 lb	43.4	40.2	40.7	46.7	S	S	S	S	S
750 to 999 lb	44.6	37.5	46.1	S	S	S	S	S	S
1,000 to 9,999 lb	22.9	31.5	33.3	48.3	26.8	26.7	49.4	S	S
10,000 to 49,999 lb	16.0	31.9	33.6	16.9	17.3	16.7	28.4	39.9	41.9
50,000 to 99,999 lb	49.0	S	S	48.4	S	S	—	—	—
100,000 lb or more	37.3	48.0	47.6	37.1	31.1	30.1	44.6	42.3	42.1
SCTG 21, Pharmaceutical products	14.1	17.2	17.4	20.3	24.0	24.0	39.2	24.3	24.5
Less than 50 lb	23.3	13.6	13.6	22.7	23.8	24.1	48.3	41.5	38.3
50 to 99 lb	31.1	24.1	24.0	37.4	31.2	30.8	S	45.7	S
100 to 499 lb	36.6	24.0	24.5	25.2	15.0	14.9	S	44.0	S
500 to 749 lb	S	33.8	33.5	37.4	33.4	33.5	S	S	S
750 to 999 lb	40.0	39.0	39.2	S	43.2	42.6	—	—	—
1,000 to 9,999 lb	23.2	22.2	21.4	48.5	31.4	30.2	S	S	S
10,000 to 49,999 lb	28.3	28.3	28.8	43.9	34.1	34.3	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	34.2	26.6	27.8	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	44.1	43.3	43.2	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	38.0	26.5	28.0	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	16.5	16.4	16.4	16.5	11.4	11.7	22.0	24.2	24.2
Less than 50 lb	21.6	16.7	16.5	30.9	22.1	21.9	36.2	26.1	26.0
50 to 99 lb	39.1	32.3	32.7	45.2	28.9	28.8	45.2	49.9	49.9
100 to 499 lb	21.7	28.5	29.6	25.3	25.4	25.3	49.7	32.0	33.6
500 to 749 lb	27.6	19.6	19.7	25.4	29.2	29.4	S	S	S
750 to 999 lb	34.9	28.4	30.4	S	19.5	19.9	38.2	34.9	34.8
1,000 to 9,999 lb	14.5	19.0	21.2	22.3	13.0	13.0	30.1	21.6	21.0
10,000 to 49,999 lb	23.5	19.0	19.0	18.2	12.2	12.5	24.0	25.6	25.9
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	44.2	43.9	44.8	S	S	S
SCTG 24, Plastics and rubber	12.9	16.6	17.7	4.9	7.2	7.5	16.3	23.2	23.9
Less than 50 lb	11.9	16.5	16.1	15.5	17.1	16.9	27.3	31.2	30.9
50 to 99 lb	18.4	12.9	13.7	23.4	23.6	23.7	35.6	39.3	39.3
100 to 499 lb	9.6	13.2	13.3	14.6	13.4	13.2	15.7	17.5	17.6
500 to 749 lb	23.6	13.1	13.4	18.1	28.5	28.4	S	38.0	37.0
750 to 999 lb	30.4	24.6	23.7	32.7	19.9	20.4	32.6	37.8	37.3
1,000 to 9,999 lb	7.3	6.6	6.6	9.7	10.0	10.1	23.2	21.7	21.3
10,000 to 49,999 lb	27.6	26.6	28.2	7.5	8.7	8.8	31.5	32.2	32.7
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	44.1	45.0	43.2	32.9	35.2	35.6	S	S	S
SCTG 25, Logs and other wood in the rough	48.4	S	S	45.8	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	12.2	38.1	38.7	11.5	12.9	13.6	19.4	25.0	25.1
Less than 50 lb	33.5	43.5	43.0	25.1	21.6	20.4	S	46.7	45.5
50 to 99 lb	S	S	S	26.9	30.9	31.4	S	S	S
100 to 499 lb	24.3	20.4	20.6	25.0	19.0	18.8	S	S	S
500 to 749 lb	27.7	26.2	25.6	41.8	33.1	33.0	S	S	S
750 to 999 lb	34.7	39.8	40.3	44.2	47.0	47.0	S	S	S
1,000 to 9,999 lb	13.1	13.4	13.5	26.0	21.9	21.6	S	46.1	45.9
10,000 to 49,999 lb	19.1	S	S	14.8	18.8	19.7	29.6	29.3	29.4
50,000 to 99,999 lb	S	37.7	41.1	37.9	37.6	36.7	—	—	—
100,000 lb or more	22.7	21.3	21.2	25.0	21.2	20.8	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	12.7	12.0	11.9	12.8	18.4	17.1	31.8	33.4	33.3
Less than 50 lb	34.2	S	S	28.8	27.7	26.5	36.5	39.0	41.3
50 to 99 lb	44.1	S	S	39.7	47.3	47.2	S	S	S
100 to 499 lb	32.4	34.2	32.4	S	45.2	45.9	S	S	S
500 to 749 lb	35.5	33.5	34.1	40.8	S	S	S	S	S
750 to 999 lb	44.1	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	28.7	27.0	27.2	32.0	29.4	28.8	43.7	49.0	47.0
10,000 to 49,999 lb	15.3	18.7	18.6	16.7	25.4	24.5	46.5	48.0	46.8
50,000 to 99,999 lb	32.7	27.8	28.1	45.2	40.2	41.0	S	S	S
100,000 lb or more	28.1	24.8	24.8	27.3	24.5	24.5	—	—	—
SCTG 28, Paper or paperboard articles	14.9	18.1	19.2	12.8	13.3	13.4	26.0	25.1	25.4
Less than 50 lb	37.7	25.8	25.6	39.4	39.1	39.4	S	28.7	29.3
50 to 99 lb	39.9	35.5	35.7	32.6	S	S	S	S	S
100 to 499 lb	45.4	25.6	24.7	35.7	21.4	21.8	S	S	S
500 to 749 lb	28.6	25.7	27.2	23.7	28.9	30.5	S	S	S
750 to 999 lb	33.3	S	S	31.2	25.2	25.3	S	S	S
1,000 to 9,999 lb	22.8	35.5	40.6	17.5	12.9	13.0	34.7	34.5	34.5
10,000 to 49,999 lb	22.7	22.9	23.8	14.5	16.1	16.2	45.4	39.0	39.3
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	17.9	40.4	39.0	26.4	18.0	18.5	20.8	25.0	35.5
Less than 50 lb	14.1	21.0	22.0	15.9	21.5	21.3	34.1	S	S
50 to 99 lb	25.8	20.7	20.6	S	S	S	42.6	39.4	45.2
100 to 499 lb	28.2	17.6	16.8	S	39.6	41.6	32.3	37.7	35.1
500 to 749 lb	21.8	15.8	16.8	30.6	27.4	26.6	S	S	S
750 to 999 lb	33.8	25.0	26.6	S	46.5	45.0	S	44.6	44.5
1,000 to 9,999 lb	23.9	S	S	9.9	11.3	11.3	25.1	27.3	28.5
10,000 to 49,999 lb	47.3	18.6	18.1	21.4	21.5	21.4	38.7	36.0	36.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	21.5	39.3	41.9	15.2	S	S	30.7	35.5	36.9
Less than 50 lb	16.1	28.7	27.2	18.2	24.7	25.9	28.0	S	S
50 to 99 lb	46.7	38.6	41.4	29.6	34.7	35.2	29.5	32.0	30.3
100 to 499 lb	22.0	22.7	22.1	13.0	13.2	12.8	24.7	27.2	29.5
500 to 749 lb	33.8	23.5	23.4	22.0	21.3	21.6	S	38.6	38.5
750 to 999 lb	44.3	34.5	33.0	27.0	35.3	35.1	S	S	S
1,000 to 9,999 lb	26.0	21.7	21.5	18.7	14.2	14.2	S	S	49.3
10,000 to 49,999 lb	S	S	S	31.5	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	12.9	S	S	21.0	26.5	25.7	19.5	30.0	29.0
Less than 50 lb	23.6	S	S	38.1	34.5	35.0	45.0	48.2	49.8
50 to 99 lb	48.2	40.7	40.9	38.2	46.3	45.8	41.3	48.8	48.7
100 to 499 lb	25.1	16.6	16.9	35.2	32.8	32.5	40.4	37.0	36.6
500 to 749 lb	S	31.8	32.4	S	48.3	48.2	44.8	44.2	44.3
750 to 999 lb	S	S	S	47.8	37.1	36.0	S	S	S
1,000 to 9,999 lb	13.9	17.9	17.8	42.9	27.0	27.0	40.6	28.8	S
10,000 to 49,999 lb	21.8	34.0	39.1	28.0	20.5	19.6	32.5	35.8	34.9
50,000 to 99,999 lb	S	S	S	S	41.2	41.8	S	S	S
100,000 lb or more	30.8	S	S	S	47.2	45.5	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	9.1	28.2	30.6	16.4	18.2	18.5	16.6	25.2	24.7
Less than 50 lb	44.0	42.7	42.9	S	21.8	21.7	S	S	S
50 to 99 lb	29.9	18.9	18.8	31.8	33.1	32.5	S	S	S
100 to 499 lb	20.1	23.4	23.5	24.6	18.4	18.1	S	46.9	46.3
500 to 749 lb	15.0	15.7	16.2	S	23.1	23.2	45.9	41.9	42.6
750 to 999 lb	38.5	24.2	24.3	S	48.4	48.4	47.8	S	S
1,000 to 9,999 lb	16.0	16.5	17.8	14.6	11.8	12.7	32.6	33.2	33.4
10,000 to 49,999 lb	13.3	14.5	14.5	19.2	17.0	16.8	18.3	22.5	22.8
50,000 to 99,999 lb	S	S	S	S	45.0	45.2	S	S	S
100,000 lb or more	34.0	S	S	35.7	30.9	30.7	S	45.8	44.0
SCTG 33, Articles of base metal	9.0	24.9	25.6	33.1	12.6	12.3	27.4	30.3	30.8
Less than 50 lb	10.7	21.8	21.1	S	S	S	25.3	18.7	19.9
50 to 99 lb	15.9	13.4	13.1	20.5	18.3	18.3	S	S	S
100 to 499 lb	18.6	26.3	26.6	S	41.7	39.8	26.1	21.0	20.3
500 to 749 lb	24.7	15.8	15.9	27.8	15.4	15.4	S	S	S
750 to 999 lb	16.9	33.7	30.9	47.5	37.9	38.3	48.8	S	S
1,000 to 9,999 lb	16.7	36.0	35.2	12.2	13.5	13.1	45.0	27.3	27.3
10,000 to 49,999 lb	17.2	43.8	45.5	14.5	15.6	15.1	26.3	29.4	28.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	36.8	44.5	44.5	44.7	S	S	S	S	S
SCTG 34, Machinery	12.1	16.7	15.2	16.0	23.5	25.0	33.5	S	S
Less than 50 lb	11.8	12.5	12.9	17.6	21.7	22.0	26.9	32.7	36.4
50 to 99 lb	14.2	13.4	13.4	17.1	18.1	16.9	42.7	S	S
100 to 499 lb	9.5	9.8	10.2	10.7	12.3	12.5	41.5	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	16.5	13.8	14.6	33.1	28.2	27.4	S	S	S
1,000 to 9,999 lb	8.9	7.7	7.9	12.8	19.4	18.8	40.4	S	48.3
10,000 to 49,999 lb	26.6	23.9	22.1	14.2	9.3	9.6	S	S	S
50,000 to 99,999 lb	28.0	31.1	32.3	S	48.4	S	S	S	S
100,000 lb or more	S	42.8	42.4	S	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	8.0	11.5	11.9	7.5	15.3	14.8	14.7	21.1	19.4
Less than 50 lb	12.2	15.7	16.0	11.0	11.5	12.1	17.1	17.4	18.5
50 to 99 lb	23.8	26.8	27.8	10.9	20.9	21.2	39.5	46.1	S
100 to 499 lb	26.8	25.2	25.5	14.8	21.0	20.3	33.3	30.1	36.3
500 to 749 lb	26.6	24.3	24.1	30.0	27.5	26.6	35.6	S	S
750 to 999 lb	19.4	18.3	16.9	35.9	32.8	31.5	S	40.4	40.5
1,000 to 9,999 lb	18.2	9.6	9.5	23.1	25.8	24.5	25.0	24.0	28.9
10,000 to 49,999 lb	18.9	16.7	16.9	21.8	16.5	15.7	30.6	41.4	43.0
50,000 to 99,999 lb	S	S	S	44.0	41.7	42.2	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	8.2	6.5	7.3	12.2	12.2	11.9	15.9	29.7	29.5
Less than 50 lb	15.0	25.3	26.5	15.4	19.3	18.9	27.3	32.1	32.6
50 to 99 lb	34.5	26.7	28.5	S	33.0	31.5	S	S	S
100 to 499 lb	24.0	15.7	15.3	40.6	23.1	23.1	26.7	21.9	23.9
500 to 749 lb	30.9	28.5	29.1	36.9	36.8	39.4	39.0	48.8	49.5
750 to 999 lb	33.5	26.4	26.9	S	34.3	34.7	S	S	S
1,000 to 9,999 lb	19.2	18.0	19.1	20.5	19.1	19.6	24.7	19.2	20.2
10,000 to 49,999 lb	14.2	10.8	11.6	14.8	12.8	12.7	32.5	S	S
50,000 to 99,999 lb	39.0	25.7	24.9	35.1	33.9	33.0	—	—	—
100,000 lb or more	S	45.5	S	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	44.6	46.6	S	30.5	19.7	20.3	41.3	S	S
Less than 50 lb	22.2	33.9	35.6	35.1	20.2	19.2	S	S	S
50 to 99 lb	39.2	31.1	34.6	46.5	30.5	30.4	S	S	S
100 to 499 lb	S	42.6	43.6	S	25.5	25.1	S	44.1	45.3
500 to 749 lb	S	42.4	45.4	S	38.5	39.1	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	26.6	26.8	S	S	S
10,000 to 49,999 lb	50.0	49.2	S	26.0	33.4	33.9	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	10.1	17.5	17.6	10.9	14.8	14.6	21.6	26.0	24.7
Less than 50 lb	14.1	25.2	24.6	10.9	20.4	20.0	23.2	21.0	18.6
50 to 99 lb	22.1	34.9	33.9	25.4	34.7	35.6	46.8	44.7	49.7
100 to 499 lb	16.9	21.6	23.2	18.6	24.3	24.1	36.8	37.9	36.5
500 to 749 lb	32.3	47.8	47.4	38.1	30.1	29.8	S	S	S
750 to 999 lb	37.7	40.7	40.8	S	S	S	S	S	S
1,000 to 9,999 lb	22.0	26.0	24.2	41.0	34.1	34.5	S	S	S
10,000 to 49,999 lb	25.8	25.4	25.4	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	15.7	17.3	17.9	12.3	31.1	32.3	48.2	38.6	45.1
Less than 50 lb	24.6	44.1	43.0	29.0	37.1	36.2	47.4	S	S
50 to 99 lb	37.7	43.2	43.5	16.7	21.0	20.8	S	48.6	49.7
100 to 499 lb	15.3	23.0	24.1	14.7	22.1	21.6	S	S	S
500 to 749 lb	S	41.4	39.9	25.8	30.5	30.5	S	S	S
750 to 999 lb	25.6	26.1	24.4	21.9	18.3	18.2	S	S	S
1,000 to 9,999 lb	24.0	19.4	18.7	17.1	17.4	17.6	42.7	41.3	39.1
10,000 to 49,999 lb	30.0	28.2	29.5	20.4	27.8	29.7	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	6.5	12.1	13.6	9.8	33.1	32.8	13.7	25.8	24.8
Less than 50 lb	12.8	20.2	20.4	9.2	7.9	7.5	16.2	18.4	22.3
50 to 99 lb	10.3	15.1	15.7	22.7	22.3	21.1	41.9	31.6	29.1
100 to 499 lb	9.4	9.0	9.3	10.7	14.1	14.6	26.8	35.7	35.6
500 to 749 lb	14.5	8.7	9.1	33.7	26.5	28.0	37.1	22.1	22.3
750 to 999 lb	20.1	28.8	28.2	19.5	17.2	17.1	S	S	S
1,000 to 9,999 lb	9.9	7.8	8.0	25.5	18.9	19.6	28.9	27.8	28.1
10,000 to 49,999 lb	17.5	14.3	14.6	17.2	16.4	16.6	37.4	29.6	38.3
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	49.4	47.9	S	S	S	S	S	S
SCTG 41, Waste and scrap .	30.5	20.2	20.1	33.7	29.4	29.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	38.4	37.2	37.2	42.9	44.4	43.2	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	29.1	27.8	45.2	44.0	42.9	—	—	—
SCTG 43, Mixed freight	28.2	S	S	28.9	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	46.0	43.0	49.1	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	38.5	38.3	—	—	—
10,000 to 49,999 lb	42.7	36.7	36.5	33.0	31.1	30.5	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	20.8	S	S	30.5	38.7	37.4	48.6	S	S
Less than 50 lb	34.1	41.6	40.0	S	36.9	37.5	S	S	S
50 to 99 lb	46.6	42.1	40.8	S	S	S	S	S	S
100 to 499 lb	30.4	42.2	44.7	36.9	31.3	30.7	S	S	S
500 to 749 lb	S	S	S	S	37.1	37.2	S	S	S
750 to 999 lb	S	S	50.0	S	S	S	S	S	S
1,000 to 9,999 lb	27.5	32.6	33.5	47.7	38.4	37.0	S	S	S
10,000 to 49,999 lb	36.7	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

SAMPLE DESIGN

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

First Stage

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidiroglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty make up the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode-NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

Second Stage

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26,

1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

Third Stage

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

DATA COLLECTION

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which

the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed "unusable." (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these "unusable" shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of "usable" shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment's reporting week are both equal to one.

The quarter weight inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of

quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment's value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment's probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

Appendix D.

Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by agencies of the United States and Canadian governments based on the Harmonized System (HS) of product classification which is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In the past, Commodity Flow Survey (CFS) data have been collected and reported using product classifications found in the Standard Transportation Commodity Classification (STCC) system. These classifications were developed in the early 1960s by the American Association of Railroads (AAR) to analyze commodity movements by rail. The original purpose of the STCC was for identification of commodities for purposes of assigning rates for Interstate Commerce Commission (ICC) regulated rail carriers. The STCC continues to be used by the AAR as a tariff mechanism.

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although

it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

In 1997 the CFS provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, we instructed respondents to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment.

Additional information on the SCTG system can be found on the Internet through the BTS web page at <http://www.bts.gov>. Comments or questions on the SCTG should be directed to [http://cfs@bts.gov](mailto:cfs@bts.gov).

Appendix E.

Sample Report Forms and Instructions

The sample report forms and instructions are shown on the following pages.

Note: The CFS-2000 was sent to a subsample of establishments to obtain additional information about the use of transportation equipment and facilities.

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

--

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see *Instruction Guide* for a definition of "shipment."**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

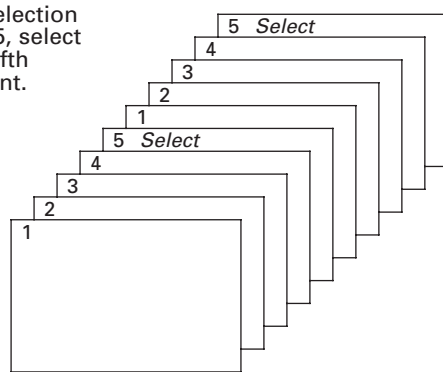
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

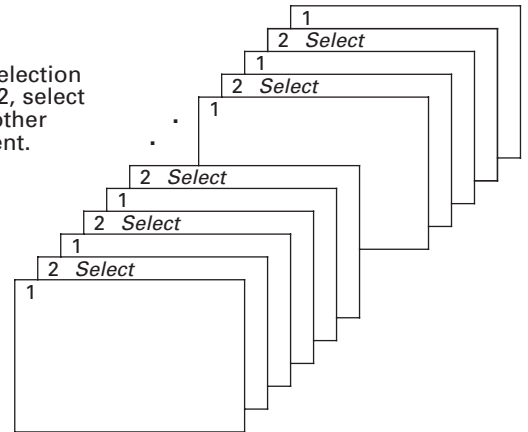
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(l)	(m)		
	City	State	ZIP Code			City	Country		
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	(j)					(m)			
(i)	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued →

Item G
1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

2. Are the records for outbound shipments from this location maintained in a number of separate files (e.g., separate files for each commodity, or for each shipping site) at this location?

☐ Yes

☐ No

If yes to item G1 or item G2:
3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

Enter the total value of shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item I

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item J
CERTIFICATION

Name of person to contact regarding this report — *Please print*

Telephone number — *Include area code*

Date

Signature

Title

FORM CFS-1000 (11-1-96) Page 7

E-8 APPENDIX E TRANSPORTATION-COMMODITY FLOW SURVEY

U.S. Census Bureau, 1997 Economic Census

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1
- ☐
- In operation
-
- 2
- ☐
- Temporarily or seasonally inactive
-
- 3
- ☐
- Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

--

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see Instruction Guide for a definition of "shipment."

DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.**YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

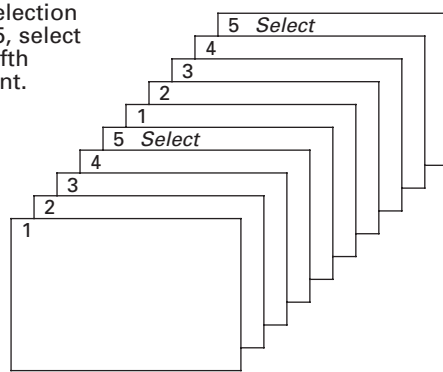
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

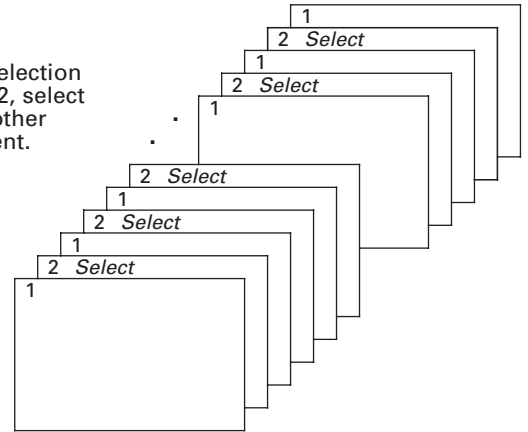
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

 Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G

Enter the total dollar value of **all** shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item H

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item I
AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not this type of facility existed **on-site** during 1997. For each "Yes" in column (b), check "Yes" or "No" in column (c) to indicate whether or not you used the facility on your premises for **outbound shipments** during 1997.

Type of shipping facility (a)	Was a shipping facility of this type on your premises during 1997? (b)	Did you use this facility on your premises for outbound shipments during 1997? (c)
1. Rail siding	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
2. Dock on the Great Lakes	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
3. Dock on inland water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
4. Dock on deep sea water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
6. Pipeline terminal	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item J **USE OF OFF-SITE SHIPPING FACILITIES**

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not you used an **off-site** facility of that type for **outbound shipments** during 1997. For each "Yes", enter the miles to that off-site facility in column (c), and the mode of transport used to reach that facility in column (d). The modes are listed below.

Type of shipping facility (a)	Did you use this type of off-site facility for outbound shipments during 1997? (b)	Distance to the off-site facility of this type that you used most in 1997 (Report in miles – estimates are acceptable) (c)	Mode of transport used to reach that facility (Enter a code from the list below) (d)
1. Rail siding	1 ☐ Yes —————→ 2 ☐ No		
2. Dock on the Great Lakes	1 ☐ Yes —————→ 2 ☐ No		
3. Dock on inland water	1 ☐ Yes —————→ 2 ☐ No		
4. Dock on deep sea water	1 ☐ Yes —————→ 2 ☐ No		
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —————→ 2 ☐ No		
6. Pipeline terminal	1 ☐ Yes —————→ 2 ☐ No		

1 – Trailer on Flat Car (TOFC)
2 – Private Truck

3 – For-Hire Truck
4 – Rail

5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

During 1997, did this location use any of the following types of equipment for outbound shipments? Please check "Yes" or "No." For rail cars reported in number 1 below, enter the approximate percentage of your total outbound rail shipments that used that type of rail car. These percentages should add to 100%. If you had no rail shipments, leave the percentages blank.

Equipment (a)	Was this type of equipment used for outbound shipments during 1993? (b)	Percentage of total rail shipments (c)
1. Rail cars that:	1 ☐ Yes → 2 ☐ No	
a. Your company owned/leased		
b. A common carrier owned/leased	1 ☐ Yes → 2 ☐ No	
c. Another party owned/leased (e.g. receiver)	1 ☐ Yes → 2 ☐ No	
2. Trucks with 6 or more tires or truck-tractors that:	1 ☐ Yes 2 ☐ No	
a. Your company owned		
b. Your company leased, with driver	1 ☐ Yes 2 ☐ No	
c. Your company leased, without driver	1 ☐ Yes 2 ☐ No	
3. Truck trailers that your company owned or leased	1 ☐ Yes 2 ☐ No	
4. Aircraft that your company owned or leased	1 ☐ Yes 2 ☐ No	
5. Barges that your company owned or leased	1 ☐ Yes 2 ☐ No	
6. Other equipment that your company owned or leased – Specify ↴	1 ☐ Yes 2 ☐ No	

Item L TRANSPORTATION DECISIONS

During 1997, who generally decided on the mode of transportation for your outbound shipments? *Check the appropriate box.*

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

Item M CERTIFICATIONName of person to contact regarding this report – *Please print*Telephone number – *Include area code*

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

You may use estimates if book figures are not readily available.

If you have questions about completing the survey, a Census Bureau representative will be glad to assist you. You can call us at 1-800-772-7851.

Some instructions are included on the questionnaire itself. However, due to space limitations, most of the instructions and definitions are included in separate reference materials. These include this instruction guide, and a listing of commodity codes to be used for classifying individual shipments in this survey.

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

The CFS produces valuable measures of the demands on the nation's transportation system.

The results of the CFS are used by transportation policy makers to analyze future transportation needs.

Who reports in the CFS?

The CFS covers a sample of establishments in the mining, manufacturing, wholesale, and selected retail industries.

Why is my participation important?

Your establishment was selected as part of a sample designed to represent a wide range of industries and geographic regions.

Your report helps ensure quality results.

Is this survey mandatory?

Yes. The CFS is mandatory under the authority of Title 13, United States Code (USC).

Will my data be kept confidential?

Yes. The same law that requires your participation, Title 13, USC, also guarantees your data will be kept strictly confidential.

The reports you provide the Census Bureau cannot be used for purposes of taxation, regulation, or investigation.

Your report is used only to develop summary data that do not reveal the activities of individual firms or establishments.

How often must I report?

You will be sent four questionnaires in all: one during each quarter of 1997.

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

Please enter the information requested on your establishment's name, operational status, and physical location.

Item D

Enter in the space provided your total number of outbound shipments **for the one week reporting period** on the front of the questionnaire.

Please include in this count any materials picked up by the customer ("customer pick-up").

What we mean by a "shipment":

For the purposes of this survey, a shipment is a single movement of goods, commodities, products, etc. from your location to a customer or to another location of your company.

"Commodities" refer to items that your location produces, sells, or distributes, *not* to items that are considered by-products of your location's operation.

What we don't mean by a "shipment":

Do *not* include as shipments items such as inter-office memos, payroll checks, business correspondence, etc.

Do *not* include as shipments items such as refuse, scrap paper, waste, and recyclable materials **unless** your location is in the business of selling or providing these materials to others.

A special note about "shipments":

A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location.

If a truck makes multiple deliveries on a route, **please count each stop as one shipment.**

Item E: Sampling Instructions

If you reported 40 or fewer shipments in Item D, complete Item F (Shipment Characteristics) for all of your shipments covered by the one-week reporting period.

If you reported more than 40 shipments in Item D, follow the instructions in Item E in order to select a sample of shipments on which to report in Item F.

By asking you to select a sample of your shipments for the one-week reporting period, we avoid asking you for information on all your shipments, while still obtaining statistically accurate information.

Reminder: The files you are sampling from should reflect the full range of your location's shipping activities in terms of modes of transportation used, commodities shipped, and destinations.

We're here to answer your questions! If you have questions about the sampling process (or any part of the questionnaire) please call us at 1-800-772-7851.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

- **Shipment ID Number (column b)** – Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date (column c)** – Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value (column d)** – Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, f.o.b. plant). If the value is not readily available from your records, please estimate.
- **Shipment Weight (column e)** – Enter the weight of the total shipment in whole pounds. If weight is not readily available from your records, please estimate.
- **Commodity Code (column f)** – Please use the list of Standard Classification of Transported Goods (SCTG) Codes in the enclosed SCTG Manual to select the proper code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight.
- **Commodity Description (column g)** – Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.

Item F SHIPMENT CHARACTERISTICS							
Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
		Month	Day				
0	123-5	4	26	4,235	140	3 6 1 2 0	Electrical transformers
00	123-6	4	26	125,300	626,500	1 7 1 0 0	Gasoline
1							
2							
3							
4							

Mode of transport codes for columns (k) and (n) ▶
1 — Parcel delivery, courier, or U.S. Postal Service
2 — Private truck
3 — For-hire truck
4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **For Hazardous Materials (column h)** – If shipment is a hazardous material, enter the 4-digit United Nations or North American number.
- **Containerized (column i)** – Indicate whether or not the shipment was containerized by entering "Y" or "N" (yes or no). Containerized means that the shipment **left your establishment** in an intermodal container or stackable tank without permanently attached wheels. These containers typically vary from 20 to 53 feet in length, and are carried on truck chassis, trains, and ships.
- **U.S. Destination: City, State, and ZIP Code (column j)** – For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver as it appears on the shipping document. Use the **"ship to"** address. Use the two letter state abbreviation shown in Part IV.

For **export shipments**, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, it is the border crossing.
- **Mode(s) of Transport (column k)** – Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in column j). Codes are located on the bottom of pages 2, 3, 4, and 5 of the questionnaire. Enter in the sequence used, all that apply. See Part III for definitions of each mode.

For Customer Pick-up: Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

If a hazardous material, enter the "UN" or "NA" number (h)	Containerized? (Y/N) (i)	U.S. destination (j)			Mode(s) of transport to U.S. destination Enter all that apply using codes shown below. (k)
		City	State	ZIP Code	
	N	Los Angeles	CA	90040	2, 4, 3
	N	New York	NY	10454	5

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **Export Shipment (column l)** – Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" or "N" (yes or no). For purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions are considered exports.
- **Foreign Destination: City and Country (column m)** – If the shipment is an export, enter the foreign city and country of destination. **For U.S. Destination (column j),** enter the U.S. port, airport, or border crossing of exit. **In column (k),** enter the mode of transport used to the U.S. destination.
- **Export Mode (column n)** – If the shipment is an export, enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 2, 3, 4, and 5 of the questionnaire.

Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	Country		
N				0
Y	London	England	6	00
				1
				2
				3
				4
				5

Items G – I

Please enter the information requested.

Item J: Certification

Please enter the name and telephone number of the person to contact in the event that we have a question about your report.

PART III – MODE DEFINITIONS

Parcel delivery/Courier/U.S. Postal Service – Delivery services that carry letters, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.

Private truck – Trucks operated by a temporary or permanent employee of this establishment or the buyer/receiver of the shipment.

For-hire truck – Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.

Railroad – Any common carrier or private railroad.

Shallow draft vessel – Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.

Deep draft vessel – Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.

Air – Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.

Other mode – Any mode not listed above.

Unknown – The shipment was not carried by a parcel delivery/courier/U.S. Postal service, and you cannot determine what mode of transportation is used.

Note: Commodities that are "shipped" under their own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Commodities shipped under their own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other" mode.**

PART IV -- STATE ABBREVIATION LIST

State	Abbrev.	State	Abbrev.
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

NOTICE - We estimate that it will take an average of 2 hours to complete this form. This includes time to read instructions, assemble and review information, and record answers on the form. If you have any comments regarding this estimate or any other aspect of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0189, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-0001. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

West Region

1997

Issued April 2000

EC97TCF-REG(4)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

This report was prepared in the Service Sector Statistics Division under the direction of **Thomas E. Zabelsky**, Assistant Chief for Current Service and Transportation Programs. Planning, implementation, and compiling of this report were under the supervision of **John L. Fowler**, Chief, Commodity Flow Survey Branch, assisted by **Wanda Dougherty, Debra Corbett, Bruce Dembroski, Shirley Gray, Michael Jones, Stephanie Kelley, Mabel Ocasio, Bonnie Opalko, Joyce Price, Barbara Selinske, Eli Serrano,** and **Michael Sprung**. Sample design and statistical methodology were developed under the general direction of **Howard Hogan** and **Carl A. Konschnik**, former Assistant Chiefs, and **Ruth E. Detlefsen**, current Assistant Chief, Research and Methodology. Sample design and estimation were under the supervision of **Patrick Cantwell**, former Chief, and **Jock Black**, current Chief, Program Research and Development Branch, assisted by **William C. Davie Jr., David L. Kinyon, Jacklyn R. Jonas,** and **M. Cristina Cruz**. Frame construction, sample control, imputation, and quality control procedures were developed under the supervision of **Carol King**, Chief, Statistical Methods Branch, assisted by **James Hunt**.

The processing system and computer programs were developed and implemented by the OAO programming group, led by **Jacques Wilmore** and assisted by **Harold N. Bobbitt** and **Robert J. Jeffrey**. **Steve G. McCraith**, Chief, Quinquennial Surveys Branch, Economic Statistical Methods and Programming Division and **Joseph F. Keehan** provided general support.

Coordination of data collection efforts was under the direction of **Judith N. Petty**, Chief, National Processing Center, assisted by **Matthew Aulbach, Linda Broadus, Grant Goodwin, Carlene Bottorff, Teresa Branstetter,** and **Jack Miller**.

The staff of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, performed planning, design, composition, editorial review, and printing planning and procurement for the publications, Internet products, and report forms. **Margaret A. Smith** provided publication coordination and editing.

We also acknowledge the contributions of the following Department of Transportation (DOT) representatives in the overall planning and design of the survey: **Rolf Schmitt**, Associate Director for Transportation Studies, Bureau of Transportation Statistics, assisted by **Susan Lapham, Russ Capelle, Ronald J. Duych,** and **Felix Ammah-Tagoe**.

The Oak Ridge National Laboratory's Center for Transportation Analysis, under the former and current direction of **Mike Bronzini** and **David Greene**, respectively, provided all mileage data for this report, using its transportation network modeling system, under the supervision of **Frank Southworth** and assisted by **Shih-Miao Chin, Bruce Peterson, Jane Rollow,** and **Angela Gibson**.

Special acknowledgment is also due to the many businesses whose cooperation was essential to the publication of these data.

West Region

1997

EC97TCF-REG(4)

Issued April 2000

1997 Economic Census *Transportation* 1997 Commodity Flow Survey



**U.S. Department of
Transportation**
Rodney E. Slater,
Secretary
Mortimer L. Downey,
Deputy Secretary

**BUREAU OF TRANSPORTATION
STATISTICS**
Dr. Ashish Sen,
Director
Rick Kowalewski,
Deputy Director
Rolf R. Schmitt,
Associate Director for
Transportation Studies



U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

**Economics
and Statistics
Administration**
Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



**BUREAU OF TRANSPORTATION
STATISTICS**

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

CONTENTS

Introduction to the Economic Census	1
1997 Commodity Flow Survey	3

TABLES

1a. Shipment Characteristics by Mode of Transportation for the Region: 1997	9
1b. Shipment Characteristics by Mode of Transportation for the Region: 1997 and 1993	9
1c. Shipment Characteristics by Mode of Transportation for the Region: Percent of Total for 1997 and 1993	10
2. Shipment Characteristics by Total Modal Activity for the Region: 1997	10
3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997	11
4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997	14
5. Shipment Characteristics by Two-Digit Commodity for the Region: 1997	17
6. Shipment Characteristics by Three-Digit Commodity for the Region: 1997	18
7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997	21
8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997	36
9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997	42
10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997	48

APPENDIXES

A. Comparability With the 1993 Commodity Flow Survey	A-1
B. Reliability of the Estimates	B-1
C. Sample Design, Data Collection, and Estimation	C-1
D. Standard Classification of Transported Goods Code Information	D-1
E. Sample Report Forms and Instructions	E-1

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are

published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

1997 Commodity Flow Survey

GENERAL

The 1997 Commodity Flow Survey (CFS) is undertaken through a partnership between the Bureau of the Census, U.S. Department of Commerce, and the Bureau of Transportation Statistics, U.S. Department of Transportation. This survey produces data on the movement of goods in the United States. It provides information on commodities shipped, their value, weight, and mode of transportation, as well as the origin and destination of shipments of manufacturing, mining, wholesale, and selected retail establishments. The CFS was last conducted in 1993. See the Comparability With the 1993 Commodity Flow Survey table (Appendix A) for a comparison between the 1997 and 1993 surveys. The data from the CFS are used by public policy analysts and for transportation planning and decision-making to assess the demand for transportation facilities and services, energy use, and safety risk and environmental concerns.

This report presents data for the four Census Regions and nine Census Divisions. Additional reports include data for the United States, states, and selected metropolitan areas, as well as selected data on exports and hazardous material shipments.

INDUSTRY COVERAGE

The 1997 CFS covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey coverage excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail.

The industries covered, as defined in the 1987 Standard Industrial Classification Manual (SIC), are listed in the following table:

SIC code	Title
10, ex. 108	Metal mining (excluding metal mining services)
12, ex. 124	Coal mining (excluding coal mining services)
13	Oil and gas extraction ¹
14, ex. 148	Mining and quarrying of nonmetallic minerals, except fuels (excluding nonmetallic minerals services)
20	Food and kindred products
21	Tobacco products
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27, ex. 279	Printing, publishing, and allied industries (excluding service industries for the printing trade)
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastics products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, except machinery and transportation equipment
35	Industrial and commercial machinery and computer equipment
36	Electronic and other electrical equipment and components, except computer equipment
37	Transportation equipment
38	Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39	Miscellaneous manufacturing industries
50	Wholesale trade—durable goods
51	Wholesale trade—nondurable goods
596	Catalog and mail-order houses

¹We included establishments classified in SIC 13, Oil and Gas Extraction, in the initial coverage of the 1997 CFS. However, because of unresolved industry-wide reporting issues, we have removed shipments from these establishments from our 1997 CFS tabulations. The data collected from these establishments will be used as input to a special report at a later date.

Similarly, because establishments in SIC 13 are responsible for the overwhelming number of shipments classified in SCTG 16, Crude Petroleum, we have removed all shipments with SCTG 16 from the 1997 CFS publication results.

SHIPMENT COVERAGE

The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. The data do not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Shipments traversing the U.S. from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to a U.S. location. Imported products are included in the CFS at the point that they left the importer's domestic location for shipment to another location. Shipments that are shipped through a foreign territory with both the origin and destination in the U.S. are included in the CFS data. The mileages calculated for these shipments exclude the international segments (e.g., shipments from New York to Michigan through Canada do not include any mileages for Canada). Export shipments are included, with the domestic destination defined as the port of exit from the U.S.

The "Industry Coverage" section of the text lists the SIC groups covered by the CFS. Other industry areas that are not covered, but may have significant shipping activity, include agriculture, government, and retail (other than warehouses and SIC 5961, Catalog and Mail-Order Houses). For agriculture specifically, this means that the CFS did not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward.

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported

multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

The ORNL multimodal network database is composed of individual modal-specific networks representing each of the major transportation modes—highway, rail, waterway, air, and pipeline. The links of these specific modal networks are the representation of line-haul transportation facilities. The nodes represent intersections and interchanges, and the access points to the transportation network. To simulate local access, test links are created from each five-digit ZIP Code centroid to nearby nodes on the network. For the truck network, local access is assumed to exist everywhere. For the other modes this is not true. Before any test links are created for these modes, a search procedure is used to determine if and where such networks are most likely to provide access to the ZIP Code. For shipments involving more than one mode, such as truck-rail or rail-water shipments, intermodal transfer links are added to the network database for the purpose of connecting the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at ORNL to identify likely transfer points for different classes of freight. A measure of link impedance was calculated for each access, line-haul, and intermodal transfer link traversed by a shipment. These impedances were mode specific and are based on various link characteristics. For example, the set of link characteristics for the highway network included speed impacting factors, such as the presence of divided or undivided roadway, the degree of access control, rural or urban setting, type of pavement, number of lanes, degree of urban congestion, and length of the link. Link impedance measures are also assigned to the local access links. Intermodal transfer link impedances are estimated in terms of the time it takes to move goods through such a transfer. In the case of rail and air freight, intercarrier transfer penalties are also considered in order to obtain proper route selections. A minimum path algorithm is used to find the minimum impedance path between a shipment's origin ZIP Code centroid and destination ZIP Code centroid. The cumulative length of the local access plus line-haul links on this path provides the estimated shipment distance. When rail was involved these shipment distances may be averaged over more than one path between an origin-destination pair.

Mileage Data for Pipeline Shipments

In the tables, we do not show ton-miles or average miles per shipment for pipeline shipments. For most of these shipments, the respondents reported the shipment

destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network, and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment.

DISCLOSURE RULES

In accordance with Federal law governing Census Bureau reports, no data are published that would disclose the operations of an individual firm or establishment.

EXPLANATION OF TERMS

Average miles per shipment. For the 1993 CFS, we excluded shipments of STCC 27, Printed Matter, from our calculation of average miles per shipment. We made this decision after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term “shipment.”

For the 1997 CFS, we made numerous efforts throughout our data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, we have included printed products in the average miles per shipment calculations for the 1997 CFS.

Commodity. Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment’s operation. Respondents reported the description and the five-digit SCTG code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.

Distance shipped. In some tables, shipment data are presented for various “distance shipped” intervals. Shipments were categorized into these “distance shipped” intervals based on the great circle distance between their origin and destination ZIP Code centroids. All other distance-related data in this and other tables (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories. (See the “Mileage Calculations” section for more details.)

Great circle distance. The shortest distance between two points on the earth’s surface.

Mode of transportation. The type of transportation used for moving the shipment to its domestic destination. For exports, the domestic destination was the port of exit.

Mode Definitions

In the instructions to the respondent, we defined the possible modes as follows:

1. **Parcel delivery/courier/U.S. Postal Service.** Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
2. **Private truck.** Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
3. **For-hire truck.** Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
4. **Railroad.** Any common carrier or private railroad.
5. **Shallow draft vessels.** Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
6. **Deep draft vessel.** Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.
7. **Pipeline.** Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper’s establishment. Aqueducts for the movement of water are not included.
8. **Air.** Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.
9. **Other mode.** Any mode not listed above.
10. **Unknown.** The shipment was not carried by a parcel delivery/courier/U.S. Postal Service, and the respondent could not determine what mode of transportation was used.

In the tables, we have used additional terms for mode, which we define as follows:

1. **Air (includes truck and air).** Shipments that used air or a combination of truck and air.
2. **Single modes.** Shipments using only one of the above-listed modes, except parcel or other and unknown.
3. **Multiple modes.** Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used:
 - Private truck
 - For-hire truck
 - Rail
 - Shallow draft vessel
 - Deep draft vessel
 - Pipeline

We did not allow for multiple modes in combination with “parcel, U.S. Postal Service or courier,” “unknown,” or “other.” By their nature, these shipments may already include various kinds of multiple-mode activity. For example, if the respondent reported a shipment’s mode of transportation as parcel and air, we treated the shipment as parcel only.

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.
5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as “Other” or “Unknown.”
6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.
7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as “Other multiple modes.”
8. **Great Lakes.** In the tables in this publication, “Great Lakes” appears as a single mode. ORNL’s transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the “Mileage Calculations” section for more details).

Other Definitions and Terms

Shipment. A shipment (or delivery) is an individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.

Standard Classification of Transported Goods

(SCTG). The commodities shown in this report are classified using the SCTG coding system. The SCTG coding system was developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States

exclude any mileages through Canada (see the “Mileage Calculations” section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

Tons shipped. The total weight of the entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.

Total modal activity. The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)

Value of shipments. The dollar value of the entire shipment. This was defined as the net selling value, f.o.b. plant, exclusive of freight charges and excise taxes. The value data are displayed in millions of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables for this publication:

D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey.
lb	Pounds.
n.e.c.	Not elsewhere classified.
NA	Not applicable.
n.o.s.	Not otherwise specified.

OTHER TRANSPORTATION DATA

Users of transportation data may be especially interested in the following reports:

Economic Census: Transportation Sector covers establishments that provide passenger and freight transportation to the general public, government, or other businesses.

Published data include kind of business, geographic location, total operating revenue, annual and first quarter payroll, and number of employees for pay period including March 12.

Vehicle Inventory and Use Survey covers state and U.S. level statistics on the physical and operational characteristics of the Nation's truck, van, minivan, and sport utility vehicle population. Some of the types of data collected include number of vehicles, major use, body type, annual miles, model year, vehicle size, fuel type, operator classification, engine size, range of operation, weeks operated, products carried, and hazardous materials carried. This survey shows comparative statistics reflecting percent changes in number of vehicles between 1997 and 1992 for most characteristics.

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected

include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

All results of the 1997 Economic Census are available on the Census Bureau Internet site <http://www.census.gov> and on compact discs (CD-ROM).

For more information on any Census Bureau product, including a description of electronic and printed reports being issued, see the website or call Customer Services at 301-457-4100.

Table 1a. Shipment Characteristics by Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	1 367 369	100.0	2 101 462	100.0	717 301	100.0	605
Single modes	1 060 636	77.6	1 924 772	91.6	620 524	86.5	226
Truck ¹	883 166	64.6	1 336 702	63.6	180 362	25.1	162
For-hire truck	441 685	32.3	483 973	23.0	126 582	17.6	754
Private truck	433 529	31.7	789 510	37.6	50 122	7.0	53
Rail	36 582	2.7	421 572	20.1	412 924	57.6	1 202
Water	11 178	.8	65 778	3.1	17 451	2.4	860
Shallow draft	3 853	.3	27 466	1.3	3 806	.5	231
Great Lakes	—	—	—	—	—	—	—
Deep draft	7 325	.5	38 311	1.8	13 645	1.9	946
Air (includes truck and air)	108 616	7.9	1 675	—	2 884	.4	1 850
Pipeline ²	21 094	1.5	99 045	4.7	S	S	S
Multiple modes	234 480	17.1	53 880	2.6	71 638	10.0	1 029
Parcel, U.S. Postal Service or courier	219 001	16.0	4 815	.2	5 293	.7	1 028
Truck and rail	9 525	.7	S	S	21 144	2.9	1 847
Truck and water	5 036	.4	3 811	.2	5 345	.7	1 155
Rail and water	220	—	27 109	1.3	39 399	5.5	1 606
Other multiple modes	S	S	S	S	457	—	S
Other and unknown modes	72 253	5.3	122 811	5.8	25 140	3.5	259

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1b. Shipment Characteristics by Mode of Transportation for the Region: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	1 367 369	1 092 914	25.1	2 101 462	2 068 826	1.6	717 301	687 486	4.3	605	551	9.8
Single modes	1 060 636	858 328	23.6	1 924 772	1 824 037	5.5	620 524	605 650	2.5	226	289	-21.8
Truck ¹	883 166	738 605	19.6	1 336 702	1 201 055	11.3	180 362	165 427	9.0	162	168	-3.9
For-hire truck	441 685	413 592	6.8	483 973	507 091	-4.6	126 582	123 538	2.5	754	658	14.7
Private truck	433 529	322 032	34.6	789 510	677 287	16.6	50 122	40 143	24.9	53	53	1.0
Rail	36 582	39 156	-6.6	421 572	449 909	-6.3	412 924	396 697	4.1	1 202	1 131	6.2
Water	11 178	8 218	36.0	65 778	46 843	40.4	17 451	25 935	-32.7	860	1 426	-39.7
Shallow draft	3 853	2 202	75.0	27 466	23 297	17.9	3 806	2 250	69.2	231	133	74.0
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	7 325	6 016	21.8	38 311	23 546	62.7	13 645	23 685	-42.4	946	1 712	-44.7
Air (includes truck and air)	108 616	49 758	118.3	1 675	1 071	56.4	2 884	1 710	68.7	1 850	1 732	6.8
Pipeline ²	21 094	22 592	-6.6	99 045	125 159	-20.9	S	S	S	S	S	S
Multiple modes	234 480	152 151	54.1	53 880	36 705	46.8	71 638	46 356	54.5	1 029	935	10.0
Parcel, U.S. Postal Service or courier	219 001	129 529	69.1	4 815	3 741	28.7	5 293	3 721	42.2	1 028	931	10.4
Truck and rail	9 525	S	S	S	16 116	S	21 144	15 784	34.0	1 847	2 352	-21.5
Truck and water	5 036	2 748	83.3	3 811	S	S	5 345	5 907	-9.5	1 155	1 441	-19.9
Rail and water	220	63	250.8	27 109	10 354	161.8	39 399	20 728	90.1	1 606	1 903	-15.6
Other multiple modes	S	S	S	S	S	S	457	S	S	S	S	S
Other and unknown modes ...	72 253	82 436	-12.4	122 811	208 083	-41.0	25 140	35 481	-29.1	259	370	-29.9

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1c. Shipment Characteristics by Mode of Transportation for the Region: Percent of Total for 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	77.6	78.5	91.6	88.2	86.5	88.1
Truck ¹	64.6	67.6	63.6	58.1	25.1	24.1
For-hire truck	32.3	37.8	23.0	24.5	17.6	18.0
Private truck	31.7	29.5	37.6	32.7	7.0	5.8
Rail	2.7	3.6	20.1	21.7	57.6	57.7
Water	.8	.8	3.1	2.3	2.4	3.8
Shallow draft	.3	.2	1.3	1.1	.5	.3
Great Lakes	—	—	—	—	—	—
Deep draft	.5	.6	1.8	1.1	1.9	3.4
Air (includes truck and air)	7.9	4.6	—	—	.4	.2
Pipeline ²	1.5	2.1	4.7	6.0	S	S
Multiple modes	17.1	13.9	2.6	1.8	10.0	6.7
Parcel, U.S. Postal Service or courier	16.0	11.9	.2	.2	.7	.5
Truck and rail	.7	S	S	.8	2.9	2.3
Truck and water	.4	.3	.2	S	.7	.9
Rail and water	—	—	1.3	.5	5.5	3.0
Other multiple modes	S	S	S	S	—	S
Other and unknown modes	5.3	7.5	5.8	10.1	3.5	5.2

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 2. Shipment Characteristics by Total Modal Activity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	717 300	100.0	594
Truck	182 279	25.4	158
Rail	462 889	64.5	1 322
Shallow draft	13 069	1.8	204
Great Lakes	S	S	569
Deep draft	18 527	2.6	1 128
Air	2 789	.4	1 774
Parcel, U.S. Postal Service or courier	5 293	.7	1 028
Pipeline	S	S	S
Other and unknown modes	25 202	3.5	259

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹Data represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving by truck only plus ton-miles for truck segments only of multiple mode shipments.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	1 367 369	100.0	2 101 462	100.0	717 301	100.0
Less than 50 miles	524 269	38.3	1 235 920	58.8	25 933	3.6
50 to 99 miles	99 970	7.3	165 073	7.9	16 541	2.3
100 to 249 miles	122 501	9.0	164 182	7.8	34 322	4.8
250 to 499 miles	122 934	9.0	110 030	5.2	50 876	7.1
500 to 749 miles	66 269	4.8	129 411	6.2	117 801	16.4
750 to 999 miles	66 415	4.9	135 871	6.5	164 474	22.9
1,000 to 1,499 miles	91 201	6.7	107 243	5.1	173 683	24.2
1,500 to 1,999 miles	122 241	8.9	31 682	1.5	70 906	9.9
2,000 miles or more	151 569	11.1	22 050	1.0	62 765	8.8
Single modes	1 060 636	100.0	1 924 772	100.0	620 524	100.0
Less than 50 miles	445 560	42.0	1 133 845	58.9	24 659	4.0
50 to 99 miles	86 420	8.1	156 386	8.1	15 276	2.5
100 to 249 miles	102 232	9.6	157 101	8.2	32 628	5.3
250 to 499 miles	92 721	8.7	103 957	5.4	47 924	7.7
500 to 749 miles	49 320	4.7	124 523	6.5	113 525	18.3
750 to 999 miles	47 098	4.4	115 604	6.0	138 041	22.2
1,000 to 1,499 miles	62 610	5.9	91 150	4.7	144 779	23.3
1,500 to 1,999 miles	79 878	7.5	26 903	1.4	60 029	9.7
2,000 miles or more	94 797	8.9	15 302	.8	43 662	7.0
Truck¹	883 166	100.0	1 336 702	100.0	180 362	100.0
Less than 50 miles	404 301	45.8	982 687	73.5	22 487	12.5
50 to 99 miles	81 660	9.2	123 066	9.2	11 859	6.6
100 to 249 miles	93 851	10.6	109 415	8.2	21 372	11.8
250 to 499 miles	78 502	8.9	50 936	3.8	21 701	12.0
500 to 749 miles	37 248	4.2	20 803	1.6	15 804	8.8
750 to 999 miles	32 023	3.6	14 427	1.1	15 634	8.7
1,000 to 1,499 miles	41 168	4.7	14 023	1.0	20 457	11.5
1,500 to 1,999 miles	53 547	6.1	11 485	.9	23 907	13.3
2,000 miles or more	60 867	6.9	9 862	.7	26 941	14.9
For-hire truck	441 685	100.0	483 973	100.0	126 582	100.0
Less than 50 miles	104 178	23.6	272 790	56.4	6 998	5.5
50 to 99 miles	30 437	6.9	58 190	12.0	5 801	4.6
100 to 249 miles	47 516	10.8	59 160	12.2	11 808	9.3
250 to 499 miles	60 825	13.8	35 274	7.3	15 238	12.0
500 to 749 miles	32 007	7.2	17 121	3.5	13 057	10.3
750 to 999 miles	28 169	6.4	11 617	2.4	12 671	10.0
1,000 to 1,499 miles	37 440	8.5	11 295	2.3	16 922	13.4
1,500 to 1,999 miles	47 526	10.8	10 202	2.1	21 288	16.8
2,000 miles or more	53 587	12.1	8 324	1.7	22 799	18.0
Private truck	433 529	100.0	789 510	100.0	50 122	100.0
Less than 50 miles	296 422	68.4	651 402	82.5	13 405	26.7
50 to 99 miles	50 747	11.7	62 877	8.0	5 824	11.6
100 to 249 miles	45 733	10.5	48 606	6.2	9 258	18.5
250 to 499 miles	16 690	3.8	15 102	1.9	6 228	12.4
500 to 749 miles	5 087	1.2	3 518	.4	2 621	5.2
750 to 999 miles	3 526	.8	2 690	.3	2 832	5.6
1,000 to 1,499 miles	3 371	.8	S	S	3 665	7.3
1,500 to 1,999 miles	5 723	1.3	1 234	.2	2 517	5.0
2,000 miles or more	6 230	1.4	1 400	.2	3 772	7.5
Rail	36 582	100.0	421 572	100.0	412 924	100.0
Less than 50 miles	2 987	8.2	39 559	9.4	865	.2
50 to 99 miles	1 435	3.9	23 238	5.5	2 676	.6
100 to 249 miles	2 437	6.7	29 469	7.0	7 542	1.8
250 to 499 miles	3 327	9.1	36 745	8.7	21 014	5.1
500 to 749 miles	5 123	14.0	101 609	24.1	96 302	23.3
750 to 999 miles	4 364	11.9	100 005	23.7	121 312	29.4
1,000 to 1,499 miles	5 048	13.8	73 364	17.4	118 602	28.7
1,500 to 1,999 miles	7 542	20.6	13 038	3.1	30 748	7.4
2,000 miles or more	4 320	11.8	4 546	1.1	13 864	3.4
Water	11 178	100.0	65 778	100.0	17 451	100.0
Less than 50 miles	6 235	55.8	42 378	64.4	713	4.1
50 to 99 miles	233	2.1	S	S	S	S
100 to 249 miles	1 383	12.4	8 991	13.7	2 028	11.6
250 to 499 miles	800	7.2	S	S	2 434	14.0
500 to 749 miles	71	.6	174	.3	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	1 116	10.0	3 565	5.4	5 142	29.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	223	2.0	284	.4	S	S
Shallow draft	3 853	100.0	27 466	100.0	3 806	100.0
Less than 50 miles	1 810	47.0	13 454	49.0	204	5.4
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	1 141	29.6	8 335	30.3	1 868	49.1
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	31	.8	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	7 325	100.0	38 311	100.0	13 645	100.0
Less than 50 miles	4 424	60.4	28 924	75.5	S	S
50 to 99 miles	87	1.2	S	S	S	S
100 to 249 miles	243	3.3	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	39	.5	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	1 116	15.2	3 565	9.3	5 142	37.7
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	223	3.1	284	.7	S	S
Air (includes truck and air)	108 616	100.0	1 675	100.0	2 884	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	1 065	1.0	67	4.0	10	.4
100 to 249 miles	2 582	2.4	S	S	44	1.5
250 to 499 miles	9 182	8.5	153	9.2	77	2.7
500 to 749 miles	6 495	6.0	62	3.7	61	2.1
750 to 999 miles	10 356	9.5	163	9.7	189	6.6
1,000 to 1,499 miles	15 273	14.1	198	11.8	378	13.1
1,500 to 1,999 miles	18 028	16.6	207	12.3	435	15.1
2,000 miles or more	29 386	27.1	611	36.5	1 689	58.6
Pipeline²	21 094	100.0	99 045	100.0	S	S
Less than 50 miles	15 788	74.8	69 205	69.9	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	1 978	9.4	9 028	9.1	S	S
250 to 499 miles	910	4.3	9 559	9.7	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	234 480	100.0	53 880	100.0	71 638	100.0
Less than 50 miles	39 893	17.0	3 832	7.1	122	.2
50 to 99 miles	10 974	4.7	S	S	S	S
100 to 249 miles	14 646	6.2	2 826	5.2	742	1.0
250 to 499 miles	25 771	11.0	1 888	3.5	1 233	1.7
500 to 749 miles	14 652	6.2	2 468	4.6	2 567	3.6
750 to 999 miles	16 444	7.0	18 624	34.6	24 543	34.3
1,000 to 1,499 miles	23 570	10.1	14 074	26.1	25 585	35.7
1,500 to 1,999 miles	37 045	15.8	2 483	4.6	6 074	8.5
2,000 miles or more	51 484	22.0	3 431	6.4	9 958	13.9
Parcel, U.S. Postal Service or courier	219 001	100.0	4 815	100.0	5 293	100.0
Less than 50 miles	38 319	17.5	979	20.3	25	.5
50 to 99 miles	10 485	4.8	303	6.3	29	.5
100 to 249 miles	13 511	6.2	449	9.3	91	1.7
250 to 499 miles	25 165	11.5	502	10.4	220	4.2
500 to 749 miles	14 280	6.5	272	5.7	213	4.0
750 to 999 miles	15 292	7.0	330	6.9	360	6.8
1,000 to 1,499 miles	22 488	10.3	452	9.4	684	12.9
1,500 to 1,999 miles	31 715	14.5	725	15.1	1 492	28.2
2,000 miles or more	47 747	21.8	803	16.7	2 179	41.2
Truck and rail	9 525	100.0	S	S	21 144	100.0
Less than 50 miles	244	2.6	1 149	7.2	57	.3
50 to 99 miles	116	1.2	S	S	S	S
100 to 249 miles	268	2.8	571	3.6	147	.7
250 to 499 miles	384	4.0	S	S	S	S
500 to 749 miles	215	2.3	S	S	S	S
750 to 999 miles	888	9.3	731	4.6	920	4.4
1,000 to 1,499 miles	765	8.0	S	S	S	S
1,500 to 1,999 miles	4 673	49.1	1 489	9.3	3 645	17.2
2,000 miles or more	1 973	20.7	1 331	8.3	4 163	19.7
Truck and water	5 036	100.0	3 811	100.0	5 345	100.0
Less than 50 miles	S	S	144	3.8	5	—
50 to 99 miles	372	7.4	320	8.4	49	.9
100 to 249 miles	778	15.4	1 305	34.2	S	S
250 to 499 miles	S	S	155	4.1	63	1.2
500 to 749 miles	154	3.1	85	2.2	S	S
750 to 999 miles	141	2.8	109	2.9	106	2.0
1,000 to 1,499 miles	214	4.3	232	6.1	432	8.1
1,500 to 1,999 miles	654	13.0	258	6.8	913	17.1
2,000 miles or more	1 710	34.0	1 202	31.5	3 274	61.3

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	220	100.0	27 109	100.0	39 399	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	123	56.2	17 454	64.4	23 157	58.8
1,000 to 1,499 miles	81	37.0	9 104	33.6	15 509	39.4
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	S	S	S	S	457	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	42	6.0	75	3.4	279	61.0
Other and unknown modes	72 253	100.0	122 811	100.0	25 140	100.0
Less than 50 miles	38 816	53.7	98 242	80.0	1 152	4.6
50 to 99 miles	2 576	3.6	S	S	S	S
100 to 249 miles	5 623	7.8	4 256	3.5	952	3.8
250 to 499 miles	4 442	6.1	4 185	3.4	1 720	6.8
500 to 749 miles	2 297	3.2	2 419	2.0	1 709	6.8
750 to 999 miles	2 872	4.0	1 644	1.3	1 890	7.5
1,000 to 1,499 miles	5 022	7.0	2 019	1.6	3 319	13.2
1,500 to 1,999 miles	5 317	7.4	2 295	1.9	4 803	19.1
2,000 miles or more	5 288	7.3	3 316	2.7	9 145	36.4

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	1 367 369	100.0	2 101 462	100.0	717 301	100.0	605
Less than 50 lb	225 063	16.5	4 450	.2	2 611	.4	725
50 to 99 lb	68 959	5.0	2 942	.1	1 235	.2	418
100 to 499 lb	174 439	12.8	16 362	.8	4 862	.7	301
500 to 749 lb	53 898	3.9	7 721	.4	2 114	.3	270
750 to 999 lb	34 383	2.5	6 215	.3	1 612	.2	259
1,000 to 9,999 lb	283 348	20.7	105 775	5.0	30 105	4.2	289
10,000 to 49,999 lb	324 508	23.7	605 495	28.8	127 734	17.8	208
50,000 to 99,999 lb	80 405	5.9	484 946	23.1	43 178	6.0	87
100,000 lb or more	122 366	8.9	867 556	41.3	503 850	70.2	643
Single modes	1 060 636	100.0	1 924 772	100.0	620 524	100.0	226
Less than 50 lb	74 270	7.0	2 286	.1	494	—	244
50 to 99 lb	35 784	3.4	1 957	.1	405	—	205
100 to 499 lb	129 036	12.2	14 067	.7	3 143	.5	215
500 to 749 lb	45 181	4.3	7 079	.4	1 571	.3	220
750 to 999 lb	30 404	2.9	5 800	.3	1 278	.2	220
1,000 to 9,999 lb	257 681	24.3	97 873	5.1	22 428	3.6	229
10,000 to 49,999 lb	300 812	28.4	582 998	30.3	108 524	17.5	184
50,000 to 99,999 lb	78 014	7.4	477 117	24.8	40 239	6.5	83
100,000 lb or more	109 453	10.3	735 595	38.2	442 443	71.3	632
Truck¹	883 166	100.0	1 336 702	100.0	180 362	100.0	162
Less than 50 lb	47 805	5.4	2 184	.2	305	.2	141
50 to 99 lb	25 157	2.8	1 899	.1	296	.2	153
100 to 499 lb	111 123	12.6	13 822	1.0	2 690	1.5	183
500 to 749 lb	40 674	4.6	6 981	.5	1 432	.8	203
750 to 999 lb	28 246	3.2	5 743	.4	1 198	.7	208
1,000 to 9,999 lb	248 775	28.2	97 182	7.3	21 576	12.0	221
10,000 to 49,999 lb	292 049	33.1	578 792	43.3	101 941	56.5	175
50,000 to 99,999 lb	70 629	8.0	472 990	35.4	37 162	20.6	78
100,000 lb or more	18 709	2.1	157 109	11.8	13 762	7.6	112
For-hire truck	441 685	100.0	483 973	100.0	126 582	100.0	754
Less than 50 lb	15 069	3.4	220	—	209	.2	965
50 to 99 lb	10 530	2.4	242	—	204	.2	840
100 to 499 lb	53 679	12.2	2 400	.5	1 934	1.5	800
500 to 749 lb	21 167	4.8	1 315	.3	1 065	.8	807
750 to 999 lb	15 226	3.4	1 181	.2	899	.7	757
1,000 to 9,999 lb	124 720	28.2	21 534	4.4	15 703	12.4	774
10,000 to 49,999 lb	159 290	36.1	197 730	40.9	75 929	60.0	416
50,000 to 99,999 lb	30 010	6.8	208 086	43.0	21 731	17.2	102
100,000 lb or more	11 995	2.7	51 265	10.6	8 908	7.0	261
Private truck	433 529	100.0	789 510	100.0	50 122	100.0	53
Less than 50 lb	32 606	7.5	1 954	.2	92	.2	44
50 to 99 lb	14 540	3.4	1 645	.2	89	.2	54
100 to 499 lb	56 784	13.1	11 345	1.4	729	1.5	61
500 to 749 lb	19 223	4.4	5 612	.7	356	.7	63
750 to 999 lb	12 739	2.9	4 518	.6	292	.6	65
1,000 to 9,999 lb	121 661	28.1	74 489	9.4	5 588	11.1	72
10,000 to 49,999 lb	129 764	29.9	361 824	45.8	24 621	49.1	67
50,000 to 99,999 lb	39 796	9.2	254 873	32.3	14 763	29.5	59
100,000 lb or more	6 417	1.5	73 249	9.3	3 591	7.2	58
Rail	36 582	100.0	421 572	100.0	412 924	100.0	1 202
Less than 50 lb	S	S	—	—	S	S	745
50 to 99 lb	S	S	S	S	S	S	901
100 to 499 lb	S	S	1	—	1	—	1 535
500 to 749 lb	S	S	S	S	S	S	785
750 to 999 lb	S	S	—	—	—	—	1 553
1,000 to 9,999 lb	381	1.0	56	—	126	—	2 133
10,000 to 49,999 lb	3 917	10.7	2 282	.5	4 259	1.0	1 886
50,000 to 99,999 lb	1 201	3.3	3 606	.9	2 836	.7	739
100,000 lb or more	30 956	84.6	415 625	98.6	405 701	98.3	1 141
Water	11 178	100.0	65 778	100.0	17 451	100.0	860
Less than 50 lb	S	S	1	—	S	S	1 111
50 to 99 lb	10	—	1	—	—	—	376
100 to 499 lb	S	S	11	—	13	—	1 372
500 to 749 lb	S	S	6	—	4	—	702
750 to 999 lb	21	.2	8	—	12	—	1 529
1,000 to 9,999 lb	253	2.3	S	S	45	.3	S
10,000 to 49,999 lb	1 093	9.8	1 334	2.0	S	S	825
50,000 to 99,999 lb	76	.7	179	.3	160	.9	867
100,000 lb or more	9 566	85.6	64 056	97.4	15 565	89.2	339
Shallow draft	3 853	100.0	27 466	100.0	3 806	100.0	231
Less than 50 lb	S	S	—	—	S	S	98
50 to 99 lb	S	S	S	S	S	S	344
100 to 499 lb	S	S	S	S	S	S	361
500 to 749 lb	S	S	S	S	S	S	321
750 to 999 lb	S	S	S	S	S	S	82
1,000 to 9,999 lb	S	S	S	S	S	S	143
10,000 to 49,999 lb	S	S	46	.2	S	S	178
50,000 to 99,999 lb	S	S	15	—	1	—	72
100,000 lb or more	3 545	92.0	27 392	99.7	3 792	99.7	154

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	7 325	100.0	38 311	100.0	13 645	100.0	946
Less than 50 lb	S	S	1	—	S	S	1 229
50 to 99 lb	7	.1	1	—	—	—	393
100 to 499 lb	S	S	10	—	13	.1	1 453
500 to 749 lb	S	S	3	—	S	S	1 094
750 to 999 lb	18	.2	7	—	12	—	1 684
1,000 to 9,999 lb	214	2.9	S	S	43	.3	S
10,000 to 49,999 lb	899	12.3	1 288	3.4	S	S	850
50,000 to 99,999 lb	51	.7	164	.4	159	1.2	925
100,000 lb or more	6 022	82.2	36 664	95.7	11 772	86.3	631
Air (includes truck and air)	108 616	100.0	1 675	100.0	2 884	100.0	1 850
Less than 50 lb	26 357	24.3	102	6.1	188	6.5	1 850
50 to 99 lb	10 555	9.7	57	3.4	109	3.8	1 919
100 to 499 lb	17 788	16.4	233	13.9	439	15.2	1 889
500 to 749 lb	4 447	4.1	90	5.4	134	4.6	1 495
750 to 999 lb	2 131	2.0	49	2.9	67	2.3	1 382
1,000 to 9,999 lb	8 230	7.6	413	24.7	677	23.5	1 716
10,000 to 49,999 lb	3 672	3.4	332	19.8	668	23.2	1 926
50,000 to 99,999 lb	6 045	5.6	S	S	77	2.7	645
100,000 lb or more	29 390	27.1	258	15.4	525	18.2	2 024
Pipeline²	21 094	100.0	99 045	100.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	42	.2	39	—	S	S	S
10,000 to 49,999 lb	81	.4	260	.3	S	S	S
50,000 to 99,999 lb	64	.3	200	.2	S	S	S
100,000 lb or more	20 832	98.8	98 546	99.5	S	S	S
Multiple modes	234 480	100.0	53 880	100.0	71 638	100.0	1 029
Less than 50 lb	141 509	60.4	1 927	3.6	2 085	2.9	1 028
50 to 99 lb	29 729	12.7	808	1.5	812	1.1	995
100 to 499 lb	38 029	16.2	1 525	2.8	1 639	2.3	1 051
500 to 749 lb	6 980	3.0	360	.7	438	.6	1 203
750 to 999 lb	3 346	1.4	213	.4	309	.4	1 458
1,000 to 9,999 lb	4 504	1.9	488	.9	701	1.0	1 429
10,000 to 49,999 lb	7 946	3.4	6 193	11.5	11 591	16.2	1 789
50,000 to 99,999 lb	420	.2	1 489	2.8	884	1.2	572
100,000 lb or more	2 018	.9	40 878	75.9	53 178	74.2	1 307
Parcel, U.S. Postal Service or courier	219 001	100.0	4 815	100.0	5 293	100.0	1 028
Less than 50 lb	141 399	64.6	1 924	40.0	2 082	39.3	1 028
50 to 99 lb	29 617	13.5	804	16.7	805	15.2	992
100 to 499 lb	37 711	17.2	1 477	30.7	1 606	30.3	1 060
500 to 749 lb	6 737	3.1	337	7.0	407	7.7	1 194
750 to 999 lb	3 200	1.5	188	3.9	269	5.1	1 435
1,000 to 9,999 lb	S	S	S	S	S	S	1 480
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	9 525	100.0	S	S	21 144	100.0	1 847
Less than 50 lb	S	S	S	S	S	S	2 097
50 to 99 lb	S	S	S	S	S	S	2 376
100 to 499 lb	16	.2	2	—	4	—	2 443
500 to 749 lb	12	.1	2	—	4	—	1 894
750 to 999 lb	15	.2	3	—	7	—	2 310
1,000 to 9,999 lb	S	S	63	.4	115	.5	1 940
10,000 to 49,999 lb	5 972	62.7	4 068	25.5	7 921	37.5	1 920
50,000 to 99,999 lb	243	2.6	642	4.0	377	1.8	564
100,000 lb or more	1 064	11.2	S	S	S	S	1 322
Truck and water	5 036	100.0	3 811	100.0	5 345	100.0	1 155
Less than 50 lb	107	2.1	2	—	S	S	1 309
50 to 99 lb	109	2.2	4	.1	S	S	1 568
100 to 499 lb	302	6.0	45	1.2	28	.5	607
500 to 749 lb	232	4.6	21	.6	27	.5	1 268
750 to 999 lb	132	2.6	22	.6	34	.6	1 555
1,000 to 9,999 lb	1 964	39.0	332	8.7	461	8.6	1 348
10,000 to 49,999 lb	1 903	37.8	1 975	51.8	3 334	62.4	1 568
50,000 to 99,999 lb	145	2.9	S	S	473	8.8	589
100,000 lb or more	144	2.9	633	16.6	979	18.3	2 085

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	220	100.0	27 109	100.0	39 399	100.0	1 606
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	2 196
50,000 to 99,999 lb	S	S	S	S	S	S	1 158
100,000 lb or more	195	88.7	27 069	99.9	39 342	99.9	1 622
Other multiple modes	S	S	S	S	457	100.0	S
Less than 50 lb	S	S	S	S	S	S	11
50 to 99 lb	S	S	S	S	S	S	7
100 to 499 lb	S	S	—	—	S	S	436
500 to 749 lb	S	S	S	S	S	S	17
750 to 999 lb	S	S	S	S	S	S	10
1,000 to 9,999 lb	4	.6	8	.4	S	S	S
10,000 to 49,999 lb	63	9.0	140	6.4	312	68.2	1 997
50,000 to 99,999 lb	S	S	S	S	S	S	9
100,000 lb or more	S	S	S	S	144	31.5	259
Other and unknown modes	72 253	100.0	122 811	100.0	25 140	100.0	259
Less than 50 lb	9 284	12.8	237	.2	32	.1	226
50 to 99 lb	3 446	4.8	177	.1	18	—	96
100 to 499 lb	7 374	10.2	770	.6	81	.3	104
500 to 749 lb	1 737	2.4	282	.2	S	S	349
750 to 999 lb	633	.9	202	.2	24	.1	118
1,000 to 9,999 lb	21 163	29.3	7 414	6.0	6 976	27.7	948
10,000 to 49,999 lb	15 750	21.8	16 304	13.3	7 619	30.3	525
50,000 to 99,999 lb	1 972	2.7	6 341	5.2	2 055	8.2	337
100,000 lb or more	10 895	15.1	91 084	74.2	8 229	32.7	675

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 5. Shipment Characteristics by Two-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	1 367 369	100.0	2 101 462	100.0	717 301	100.0	605
01	Live animals and live fish	S	S	S	S	S	S	1 107
02	Cereal grains	10 055	.7	74 700	3.6	11 617	1.6	148
03	Other agricultural products	27 514	2.0	31 750	1.5	22 561	3.1	284
04	Animal feed and products of animal origin, n.e.c.	9 001	.7	31 114	1.5	5 687	.8	174
05	Meat, fish, seafood, and their preparations	37 521	2.7	13 744	.7	5 266	.7	102
06	Milled grain products and preparations, and bakery products	19 321	1.4	16 602	.8	6 747	.9	98
07	Other prepared foodstuffs and fats and oils	60 399	4.4	74 454	3.5	28 332	3.9	86
08	Alcoholic beverages	26 774	2.0	24 246	1.2	15 560	2.2	140
09	Tobacco products	2 666	.2	191	—	29	—	587
10	Monumental or building stone	456	—	1 814	—	150	—	S
11	Natural sands	704	—	66 334	3.2	2 720	.4	47
12	Gravel and crushed stone	2 161	.2	301 228	14.3	9 965	1.4	30
13	Nonmetallic minerals n.e.c.	1 786	.1	18 236	.9	10 552	1.5	306
14	Metallic ores and concentrates	6 233	.5	12 218	.6	2 139	.3	292
15	Coal	4 987	.4	401 966	19.1	346 957	48.4	S
17	Gasoline and aviation turbine fuel	55 026	4.0	193 333	9.2	18 562	2.6	71
18	Fuel oils	19 098	1.4	81 760	3.9	10 518	1.5	43
19	Coal and petroleum products, n.e.c.	10 499	.8	86 898	4.1	24 844	3.5	52
20	Basic chemicals	13 304	1.0	38 463	1.8	22 149	3.1	650
21	Pharmaceutical products	31 858	2.3	1 086	—	688	.1	917
22	Fertilizers	4 108	.3	27 911	1.3	9 855	1.4	104
23	Chemical products and preparations, n.e.c.	34 121	2.5	12 446	.6	6 090	.8	339
24	Plastics and rubber	31 793	2.3	9 405	.4	4 513	.6	539
25	Logs and other wood in the rough	7 341	.5	107 582	5.1	7 831	1.1	65
26	Wood products	36 013	2.6	83 250	4.0	39 190	5.5	271
27	Pulp, newsprint, paper, and paperboard	14 163	1.0	18 616	.9	10 635	1.5	202
28	Paper or paperboard articles	17 835	1.3	18 536	.9	4 861	.7	388
29	Printed products	33 211	2.4	12 936	.6	3 768	.5	450
30	Textiles, leather, and articles of textiles or leather	68 663	5.0	4 989	.2	3 676	.5	1 358
31	Nonmetallic mineral products	20 855	1.5	181 652	8.6	18 648	2.6	320
32	Base metal in primary or semifinished forms and in finished basic shapes	38 191	2.8	29 600	1.4	14 712	2.1	390
33	Articles of base metal	36 646	2.7	14 161	.7	7 826	1.1	441
34	Machinery	54 232	4.0	4 737	.2	3 993	.6	449
35	Electronic and other electrical equipment and components and office equipment	284 101	20.8	7 030	.3	6 876	1.0	861
36	Motorized and other vehicles (including parts)	49 615	3.6	6 310	.3	3 756	.5	413
37	Transportation equipment, n.e.c.	67 711	5.0	715	—	457	—	829
38	Precision instruments and apparatus	42 897	3.1	593	—	545	—	1 312
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	16 890	1.2	3 050	.1	2 349	.3	666
40	Miscellaneous manufactured products	101 666	7.4	15 041	.7	8 687	1.2	1 307
41	Waste and scrap	5 714	.4	36 630	1.7	9 155	1.3	160
43	Mixed freight	53 990	3.9	27 044	1.3	3 207	.4	366
--	Commodity unknown	7 765	.6	8 631	.4	1 499	.2	506

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	1 367 369	100.0	2 101 462	100.0	717 301	100.0	605
010	Live animals and live fish	S	S	S	S	S	S	1 107
021	Wheat	5 285	.4	37 968	1.8	8 072	1.1	171
022	Corn, except sweet	3 746	.3	30 364	1.4	1 072	.1	142
029	Other cereal grains	1 025	—	6 369	.3	2 473	.3	136
031	Fresh or chilled potatoes (Irish potatoes), except sweet	1 820	.1	4 322	.2	2 299	.3	S
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	8 276	.6	9 647	.5	6 204	.9	118
033	Fresh, chilled, or dried edible fruit and nuts	9 849	.7	9 888	.5	8 631	1.2	286
034	Soya beans	S	S	S	S	14	—	S
035	Oil seeds and nuts, except olives and soya beans	218	—	477	—	77	—	129
036	Bulbs, live plants, and seeds for sowing, n.e.c.	2 237	.2	1 340	—	1 450	.2	618
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	4 622	.3	4 039	.2	3 886	.5	447
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	2 110	.2	9 846	.5	2 395	.3	114
042	Animal feed preparations	6 891	.5	21 268	1.0	3 292	.5	184
051	Meat including poultry, except preparations	23 621	1.7	10 712	.5	3 451	.5	105
052	Fish, except live, and seafood, except preparations	12 552	.9	2 530	.1	1 538	.2	94
053	Preparations, extracts, and juices of meat, fish, or seafood	1 347	.1	502	—	277	—	161
061	Wheat flour, groats, and meal	1 201	—	4 198	.2	876	.1	131
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	1 459	.1	2 605	.1	2 293	.3	S
063	Food preparations of cereals, flour, starch, or milk	4 536	.3	2 877	.1	1 649	.2	283
064	Bakery products	12 124	.9	6 922	.3	1 928	.3	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	16 852	1.2	22 099	1.1	5 210	.7	78
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	16 451	1.2	13 917	.7	13 396	1.9	234
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	2 504	.2	497	—	299	—	357
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	1 664	.1	2 406	.1	709	.1	166
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	1 969	.1	3 723	.2	2 838	.4	315
076	Confectionery, cocoa, and cocoa preparations	2 628	.2	741	—	296	—	137
077	Edible preparations, n.e.c. and vinegar	7 872	.6	4 408	.2	3 674	.5	344
078	Nonalcoholic beverages, n.e.c. and ice	10 459	.8	26 663	1.3	1 911	.3	S
081	Malt Beer	12 783	.9	18 172	.9	10 285	1.4	41
082	Wine and other fermented beverages	9 708	.7	4 879	.2	4 959	.7	471
083	Spirituos beverages and ethyl alcohol	4 282	.3	1 194	—	S	S	77
090	Tobacco products	2 666	.2	191	—	29	—	587
100	Monumental or building stone, except dolomite	456	—	1 814	—	150	—	S
110	Natural sands, except metal-bearing	704	—	66 334	3.2	2 720	.4	47
120	Gravel and crushed stone, except dolomite and slate	2 161	.2	301 228	14.3	9 965	1.4	30
131	Salt	S	S	S	S	S	S	279
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	S
133	Dolomite	48	—	1 563	—	126	—	62
139	Other nonmetallic minerals	865	—	11 061	.5	8 587	1.2	385
141	Iron ores and concentrates	2	—	S	S	S	S	58
149	Other metallic ores and concentrates	6 231	.5	12 130	.6	2 131	.3	318
151	Nonagglomerated bituminous coal	4 936	.4	398 626	19.0	346 938	48.4	S
159	Other coal	S	S	S	S	S	S	19
171	Gasoline	50 801	3.7	173 429	8.3	17 568	2.4	71
172	Aviation turbine fuel (types A and B)	4 224	.3	19 905	.9	993	.1	70
180	Fuel oils	19 098	1.4	81 760	3.9	10 518	1.5	43
191	Lubricating oils and greases	3 174	.2	4 515	.2	S	S	51
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	1 053	—	6 153	.3	745	.1	27
193	Gaseous hydrocarbons	1 735	.1	5 578	.3	1 096	.2	S
199	Other products of petroleum refining, and coal products	4 537	.3	70 652	3.4	21 808	3.0	107
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	520	—	2 626	.1	1 629	.2	188
202	Inorganic chemicals, n.e.c.	6 461	.5	33 415	1.6	19 004	2.6	184
203	Cyclic hydrocarbons	32	—	32	—	S	S	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	637	—	804	—	406	—	516
205	Organic chemicals, n.e.c.	5 654	.4	1 585	—	1 093	.2	1 030
210	Pharmaceutical products	31 858	2.3	1 086	—	688	.1	917
220	Fertilizers and fertilizer materials	4 108	.3	27 911	1.3	9 855	1.4	104
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	6 662	.5	2 739	.1	1 103	.2	293
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	7 502	.5	723	—	513	—	460
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	4 369	.3	4 390	.2	2 137	.3	217
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	6 552	.5	273	—	198	—	397
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	4 126	.3	938	—	339	—	75
239	Other chemical products and preparations	4 910	.4	3 384	.2	1 800	.3	310
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	2 044	.1	1 167	—	406	—	231
242	Manmade fibers and plastics basic shapes and articles	23 332	1.7	6 377	.3	3 445	.5	567

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	6 417	.5	1 862	—	662	—	486
250	Logs and other wood in the rough	7 341	.5	107 582	5.1	7 831	1.1	65
261	Wood chips or particles	871	—	21 317	1.0	2 953	.4	S
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	19 763	1.4	38 041	1.8	21 199	3.0	240
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	8 417	.6	16 718	.8	12 499	1.7	297
264	Builders' joinery and carpentry of wood, except shingles and shakes	4 282	.3	1 802	—	1 036	.1	225
269	Other wood products	2 679	.2	5 373	.3	1 503	.2	472
271	Pulp of fibrous cellulosic materials	571	—	1 174	—	552	—	379
272	Newsprint in large rolls or sheets	2 050	.1	3 120	.1	2 163	.3	219
273	Uncoated paper and paperboard in large rolls or sheets	7 740	.6	11 446	.5	6 803	.9	114
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	3 802	.3	2 877	.1	1 116	.2	324
280	Paper or paperboard articles	17 835	1.3	18 536	.9	4 861	.7	388
291	Printed books, brochures, leaflets, and similar printed products	10 229	.7	992	—	689	.1	992
292	Newspapers, journals, and periodicals	10 569	.8	8 908	.4	713	.1	130
293	Advertising material, commercial or trade catalogues, and similar printed products	5 273	.4	2 037	.1	1 792	.2	1 025
299	Other printed products	7 141	.5	1 000	—	573	—	787
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	4 333	.3	565	—	232	—	1 012
302	Textile clothing and accessories, and headgear, except safety	44 633	3.3	1 783	—	1 864	.3	1 513
303	Textiles and textile articles, n.e.c.	13 132	1.0	2 306	.1	1 059	.1	1 006
304	Footwear	4 276	.3	196	—	S	S	1 591
305	Leather and articles, luggage of related materials, and dressed furskins and articles	2 288	.2	140	—	171	—	1 223
311	Hydraulic cements	1 744	.1	28 265	1.3	3 863	.5	91
312	Ceramic products	2 123	.2	1 727	—	1 125	.2	864
313	Glass and glass products	5 699	.4	6 446	.3	1 453	.2	418
319	Other nonmetallic mineral products	11 290	.8	145 214	6.9	12 207	1.7	81
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	2 157	.2	1 534	—	643	—	183
322	Flat-rolled products of iron or steel	7 265	.5	9 184	.4	2 020	.3	173
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	8 455	.6	10 139	.5	5 087	.7	286
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	20 314	1.5	8 743	.4	6 962	1.0	622
331	Pipes, tubes, and fittings	7 920	.6	4 632	.2	2 129	.3	174
332	Structures and parts, except prefabricated buildings	7 380	.5	3 139	.1	2 072	.3	428
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	12 392	.9	2 214	.1	1 715	.2	540
339	Other articles of metal	8 955	.7	4 176	.2	1 910	.3	404
341	Internal-combustion piston engines	5 182	.4	482	—	308	—	356
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	4 111	.3	78	—	52	—	479
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	6 209	.5	377	—	320	—	482
344	Air-conditioning, refrigerating, or freezing equipment	3 755	.3	479	—	364	—	159
345	Materials-handling, excavating, boring, and related machinery and equipment	6 961	.5	1 010	—	534	—	381
349	Other machinery	28 014	2.0	2 311	.1	2 415	.3	528
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	4 884	.4	323	—	220	—	423
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	2 173	.2	194	—	121	—	463
353	Line telephone or telegraph apparatus	30 100	2.2	448	—	706	.1	1 194
354	Electronic entertainment products, except parts	17 460	1.3	1 388	—	S	S	1 417
355	Computer and office equipment	94 176	6.9	1 250	—	1 394	.2	1 164
356	Prepared unrecorded or prerecorded media	10 812	.8	251	—	267	—	1 191
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	4 257	.3	36	—	36	—	1 009
358	Electronic components and parts	73 931	5.4	378	—	322	—	1 160
359	Other electronic and electrical equipment	46 311	3.4	2 761	.1	1 281	.2	358
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	4 811	.4	580	—	85	—	394
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	4 684	.3	616	—	596	—	S
363	Other vehicles	8 451	.6	1 239	—	696	.1	1 124
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	31 670	2.3	3 875	.2	2 379	.3	344
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	678	—	392	—	S	S	1 852
372	Aircraft and spacecraft	65 002	4.8	181	—	173	—	795
373	Ships, boats, and floating structures	2 030	.1	142	—	164	—	858
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	4 312	.3	29	—	32	—	1 285
382	Photographic and photocopying machines	6 441	.5	215	—	160	—	975
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	2 437	.2	13	—	14	—	1 016
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	14 562	1.1	235	—	221	—	1 488
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	15 145	1.1	101	—	117	—	1 074

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	16 890	1.2	3 050	.1	2 349	.3	666
401	Arms and ammunition	868	—	42	—	46	—	1 098
402	Toys, games, and sporting equipment	S	S	S	S	1 492	.2	1 804
409	Miscellaneous manufactured products	62 295	4.6	11 911	.6	7 148	1.0	1 195
411	Metallic waste and scrap	3 923	.3	18 018	.9	4 168	.6	162
412	Nonmetallic waste and scrap, except from food processing	1 791	.1	18 611	.9	4 987	.7	159
439	Mixed freight	53 990	3.9	27 044	1.3	3 207	.4	366
—	Commodity unknown	7 765	.6	8 631	.4	1 499	.2	506

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 160, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	1 367 369	100.0	2 101 462	100.0	717 301	100.0	605
Single modes	1 060 636	77.6	1 924 772	91.6	620 524	86.5	226
Truck ¹	883 166	64.6	1 336 702	63.6	180 362	25.1	162
For-hire truck	441 685	32.3	483 973	23.0	126 582	17.6	754
Private truck	433 529	31.7	789 510	37.6	50 122	7.0	53
Rail	36 582	2.7	421 572	20.1	412 924	57.6	1 202
Water	11 178	.8	65 778	3.1	17 451	2.4	860
Shallow draft	3 853	.3	27 466	1.3	3 806	.5	231
Great Lakes	—	—	—	—	—	—	—
Deep draft	7 325	.5	38 311	1.8	13 645	1.9	946
Air (includes truck and air)	108 616	7.9	1 675	—	2 884	.4	1 850
Pipeline ²	21 094	1.5	99 045	4.7	S	S	S
Multiple modes	234 480	17.1	53 880	2.6	71 638	10.0	1 029
Parcel, U.S. Postal Service or courier	219 001	16.0	4 815	.2	5 293	.7	1 028
Truck and rail	9 525	.7	S	S	21 144	2.9	1 847
Truck and water	5 036	.4	3 811	.2	5 345	.7	1 155
Rail and water	220	—	27 109	1.3	39 399	5.5	1 606
Other multiple modes	S	S	S	S	457	—	S
Other and unknown modes	72 253	5.3	122 811	5.8	25 140	3.5	259
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	S	S	S	S	S	S	1 107
Single modes	S	S	143	31.1	S	S	1 187
Truck ¹	238	48.8	122	26.5	S	S	S
For-hire truck	S	S	S	S	S	S	914
Private truck	S	S	S	S	5	3.6	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 795
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	261
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	261
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	32
SCTG 02, CEREAL GRAINS							
Total	10 055	100.0	74 700	100.0	11 617	100.0	148
Single modes	5 990	59.6	43 828	58.7	10 033	86.4	135
Truck ¹	1 978	19.7	13 937	18.7	2 398	20.6	115
For-hire truck	991	9.9	6 943	9.3	1 559	13.4	277
Private truck	853	8.5	5 933	7.9	S	S	53
Rail	849	8.4	5 971	8.0	4 892	42.1	776
Water	3 163	31.5	23 920	32.0	2 743	23.6	258
Shallow draft	2 101	20.9	15 972	21.4	2 731	23.5	272
Great Lakes	—	—	—	—	—	—	—
Deep draft	1 063	10.6	7 948	10.6	13	.1	115
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	180	1.8	1 261	1.7	808	7.0	939
Parcel, U.S. Postal Service or courier	S	S	1	—	S	S	1 702
Truck and rail	81	.8	S	S	514	4.4	1 647
Truck and water	S	S	S	S	S	S	448
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	3 885	38.6	29 610	39.6	775	6.7	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	27 514	100.0	31 750	100.0	22 561	100.0	284
Single modes	24 783	90.1	27 874	87.8	18 652	82.7	169
Truck ¹	23 518	85.5	26 092	82.2	16 378	72.6	120
For-hire truck	13 237	48.1	14 326	45.1	13 332	59.1	985
Private truck	10 130	36.8	11 444	36.0	2 981	13.2	46
Rail	645	2.3	781	2.5	1 903	8.4	2 504
Water	S	S	S	S	S	S	385
Shallow draft	S	S	S	S	S	S	118
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	390
Air (includes truck and air)	360	1.3	154	.5	S	S	2 678
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	931	3.4	512	1.6	1 269	5.6	1 733
Parcel, U.S. Postal Service or courier	249	.9	15	—	S	S	1 720
Truck and rail	547	2.0	408	1.3	1 019	4.5	2 482
Truck and water	135	.5	88	.3	223	1.0	1 906
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 801	6.5	3 365	10.6	2 641	11.7	1 158
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	9 001	100.0	31 114	100.0	5 687	100.0	174
Single modes	8 026	89.2	29 607	95.2	5 036	88.5	136
Truck ¹	7 831	87.0	28 664	92.1	4 347	76.4	134
For-hire truck	3 012	33.5	10 232	32.9	2 959	52.0	642
Private truck	4 332	48.1	15 469	49.7	1 084	19.1	46
Rail	169	1.9	851	2.7	624	11.0	726
Water	S	S	S	S	S	S	369
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	369
Air (includes truck and air)	S	S	S	S	S	S	769
Pipeline ²	1	—	18	—	S	S	S
Multiple modes	292	3.2	212	.7	408	7.2	1 284
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 273
Truck and rail	139	1.5	94	.3	132	2.3	1 445
Truck and water	S	S	S	S	S	S	2 028
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	2 956
Other and unknown modes	S	S	1 295	4.2	244	4.3	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	37 521	100.0	13 744	100.0	5 266	100.0	102
Single modes	35 707	95.2	13 248	96.4	4 791	91.0	88
Truck ¹	34 512	92.0	12 700	92.4	4 009	76.1	67
For-hire truck	12 804	34.1	4 309	31.4	3 130	59.4	661
Private truck	21 089	56.2	8 222	59.8	868	16.5	41
Rail	S	S	S	S	S	S	1 132
Water	806	2.1	462	3.4	S	S	1 356
Shallow draft	S	S	78	.6	S	S	149
Great Lakes	—	—	—	—	—	—	—
Deep draft	623	1.7	S	S	S	S	1 630
Air (includes truck and air)	368	1.0	56	.4	105	2.0	1 819
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	658	1.8	168	1.2	251	4.8	1 125
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 141
Truck and rail	S	S	S	S	S	S	522
Truck and water	453	1.2	135	1.0	S	S	1 082
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	30
Other and unknown modes	1 156	3.1	328	2.4	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	19 321	100.0	16 602	100.0	6 747	100.0	98
Single modes	18 675	96.7	16 076	96.8	6 190	91.7	76
Truck ¹	18 189	94.1	15 215	91.6	4 707	69.8	73
For-hire truck	6 254	32.4	7 255	43.7	3 444	51.0	366
Private truck	11 843	61.3	7 789	46.9	1 197	17.7	44
Rail	437	2.3	788	4.7	1 433	21.2	2 077
Water	29	.2	S	S	33	.5	2 123
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	29	.2	S	S	33	.5	2 123
Air (includes truck and air)	13	—	10	—	S	S	878
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	257	1.3	263	1.6	485	7.2	1 064
Parcel, U.S. Postal Service or courier	46	.2	7	—	7	.1	1 052
Truck and rail	150	.8	174	1.0	291	4.3	1 754
Truck and water	59	.3	81	.5	185	2.7	1 032
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	2 722
Other and unknown modes	389	2.0	263	1.6	71	1.1	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	60 399	100.0	74 454	100.0	28 332	100.0	86
Single modes	56 939	94.3	71 903	96.6	25 298	89.3	62
Truck ¹	54 019	89.4	67 160	90.2	17 186	60.7	58
For-hire truck	21 390	35.4	21 634	29.1	12 578	44.4	663
Private truck	32 499	53.8	45 309	60.9	4 570	16.1	32
Rail	2 680	4.4	3 855	5.2	8 011	28.3	2 164
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	21
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	66	.1	16	—	37	.1	1 877
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 295	3.8	1 340	1.8	2 651	9.4	1 027
Parcel, U.S. Postal Service or courier	363	.6	36	—	34	.1	1 013
Truck and rail	S	S	632	.8	1 589	5.6	2 536
Truck and water	534	.9	646	.9	906	3.2	812
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	2 979
Other and unknown modes	1 165	1.9	1 211	1.6	383	1.4	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	26 774	100.0	24 246	100.0	15 560	100.0	140
Single modes	25 118	93.8	23 021	95.0	13 404	86.1	95
Truck ¹	22 742	84.9	17 650	72.8	4 788	30.8	53
For-hire truck	7 584	28.3	5 804	23.9	3 965	25.5	405
Private truck	15 149	56.6	11 842	48.8	819	5.3	39
Rail	2 335	8.7	5 358	22.1	8 580	55.1	1 641
Water	S	S	S	S	S	S	2 764
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	2 764
Air (includes truck and air)	S	S	S	S	S	S	3 022
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 361	5.1	919	3.8	1 961	12.6	798
Parcel, U.S. Postal Service or courier	S	S	45	.2	S	S	744
Truck and rail	1 013	3.8	723	3.0	1 733	11.1	2 347
Truck and water	187	.7	150	.6	S	S	908
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	62
Other and unknown modes	295	1.1	305	1.3	S	S	553

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	2 666	100.0	191	100.0	29	100.0	587
Single modes	2 330	87.4	182	95.0	21	71.9	238
Truck ¹	2 300	86.3	181	94.6	20	68.8	208
For-hire truck	127	4.8	4	2.1	3	11.6	1 001
Private truck	2 173	81.5	177	92.6	17	57.2	77
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	50
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	50
Air (includes truck and air)	S	S	S	S	S	S	1 686
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	1 231
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 231
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	56	2.1	S	S	S	S	81
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	456	100.0	1 814	100.0	150	100.0	S
Single modes	328	71.8	1 777	98.0	148	98.5	59
Truck ¹	327	71.5	1 771	97.6	143	94.9	59
For-hire truck	45	9.8	444	24.5	43	28.7	S
Private truck	S	S	S	S	S	S	54
Rail	S	S	S	S	S	S	604
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	259
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	305
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	534
SCTG 11, NATURAL SANDS							
Total	704	100.0	66 334	100.0	2 720	100.0	47
Single modes	696	98.8	65 745	99.1	2 618	96.2	46
Truck ¹	669	95.0	62 342	94.0	2 239	82.3	42
For-hire truck	258	36.7	18 273	27.5	669	24.6	S
Private truck	346	49.1	30 937	46.6	1 235	45.4	40
Rail	16	2.2	576	.9	290	10.7	553
Water	S	S	S	S	S	S	30
Shallow draft	S	S	S	S	S	S	30
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 078
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	838
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 289
Truck and rail	S	S	S	S	S	S	2 244
Truck and water	S	S	S	S	S	S	318
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	8	1.1	S	S	99	3.6	175

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	2 161	100.0	301 228	100.0	9 965	100.0	30
Single modes	2 104	97.4	293 818	97.5	9 822	98.6	31
Truck ¹	2 056	95.1	286 366	95.1	8 811	88.4	30
For-hire truck	664	30.7	100 394	33.3	3 097	31.1	30
Private truck	1 234	57.1	159 211	52.9	4 709	47.3	30
Rail	S	S	3 672	1.2	S	S	284
Water	S	S	S	S	S	S	97
Shallow draft	S	S	S	S	S	S	103
Great Lakes	S	S	S	S	S	S	2
Deep draft	S	S	S	S	S	S	16
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 230
Truck and rail	S	S	S	S	S	S	49
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	55	2.6	7 243	2.4	S	S	15
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	1 786	100.0	18 236	100.0	10 552	100.0	306
Single modes	1 711	95.8	17 290	94.8	9 341	88.5	262
Truck ¹	1 288	72.1	10 347	56.7	2 881	27.3	190
For-hire truck	475	26.6	4 965	27.2	2 524	23.9	504
Private truck	S	S	5 078	27.8	310	2.9	44
Rail	423	23.7	6 940	38.1	6 458	61.2	1 452
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 118
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	42	2.3	119	.7	237	2.2	723
Parcel, U.S. Postal Service or courier	15	.9	S	S	S	S	594
Truck and rail	26	1.4	106	.6	222	2.1	2 406
Truck and water	S	S	S	S	S	S	1 831
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	33	1.9	S	S	S	S	358
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	6 233	100.0	12 218	100.0	2 139	100.0	292
Single modes	5 562	89.2	11 526	94.3	1 594	74.5	247
Truck ¹	2 998	48.1	1 484	12.1	473	22.1	243
For-hire truck	2 230	35.8	1 166	9.5	420	19.7	512
Private truck	S	S	318	2.6	52	2.5	49
Rail	1 890	30.3	9 164	75.0	1 104	51.6	S
Water	S	S	S	S	S	S	37
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	37
Air (includes truck and air)	44	.7	S	S	S	S	1 562
Pipeline ²	449	7.2	668	5.5	S	S	S
Multiple modes	S	S	164	1.3	171	8.0	502
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	447
Truck and rail	177	2.8	163	1.3	171	8.0	1 328
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	217	3.5	S	S	S	S	254

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	4 987	100.0	401 966	100.0	346 957	100.0	S
Single modes	4 259	85.4	342 799	85.3	307 163	88.5	S
Truck ¹	457	9.2	26 207	6.5	1 367	.4	78
For-hire truck	263	5.3	12 968	3.2	720	.2	66
Private truck	S	S	S	S	S	S	95
Rail	3 698	74.1	311 313	77.4	304 371	87.7	747
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	104	2.1	5 279	1.3	S	S	S
Multiple modes	172	3.4	27 024	6.7	39 239	11.3	1 354
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	213
Truck and water	—	—	—	—	—	—	—
Rail and water	172	3.4	27 019	6.7	39 237	11.3	1 457
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	556	11.2	32 142	8.0	S	S	S
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	55 026	100.0	193 333	100.0	18 562	100.0	71
Single modes	54 751	99.5	192 348	99.5	18 502	99.7	73
Truck ¹	36 547	66.4	113 168	58.5	8 854	47.7	72
For-hire truck	8 804	16.0	26 944	13.9	3 227	17.4	139
Private truck	27 414	49.8	85 170	44.1	5 584	30.1	56
Rail	479	.9	2 085	1.1	774	4.2	400
Water	S	S	S	S	6 436	34.7	485
Shallow draft	S	S	S	S	S	S	250
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	6 110	32.9	659
Air (includes truck and air)	S	S	S	S	S	S	1 006
Pipeline ²	14 646	26.6	62 855	32.5	S	S	S
Multiple modes	98	.2	430	.2	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	2 157
Truck and rail	S	S	S	S	S	S	49
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	84	.2	S	S	S	S	S
Other and unknown modes	176	.3	555	.3	22	.1	S
SCTG 18, FUEL OILS							
Total	19 098	100.0	81 760	100.0	10 518	100.0	43
Single modes	18 365	96.2	79 676	97.5	10 356	98.5	45
Truck ¹	12 261	64.2	45 663	55.9	3 160	30.0	42
For-hire truck	3 797	19.9	15 933	19.5	1 703	16.2	117
Private truck	8 402	44.0	29 421	36.0	1 429	13.6	30
Rail	403	2.1	2 619	3.2	2 426	23.1	714
Water	1 014	5.3	6 946	8.5	2 454	23.3	340
Shallow draft	407	2.1	3 000	3.7	137	1.3	65
Great Lakes	—	—	—	—	—	—	—
Deep draft	608	3.2	3 946	4.8	S	S	429
Air (includes truck and air)	S	S	S	S	S	S	248
Pipeline ²	4 687	24.5	24 446	29.9	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	974
Truck and rail	S	S	S	S	S	S	147
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	16
Other and unknown modes	674	3.5	1 636	2.0	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	10 499	100.0	86 898	100.0	24 844	100.0	52
Single modes	9 135	87.0	74 248	85.4	13 850	55.7	44
Truck ¹	6 962	66.3	53 094	61.1	4 328	17.4	37
For-hire truck	2 843	27.1	27 704	31.9	2 976	12.0	164
Private truck	3 799	36.2	17 237	19.8	1 119	4.5	28
Rail	758	7.2	9 382	10.8	8 588	34.6	825
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	40
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	S	S	S	S	S	S	2 365
Pipeline ²	619	5.9	3 091	3.6	S	S	S
Multiple modes	388	3.7	S	S	S	S	S
Parcel, U.S. Postal Service or courier	29	.3	5	—	1	—	S
Truck and rail	S	S	S	S	S	S	340
Truck and water	156	1.5	222	.3	106	.4	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	217
Other and unknown modes	S	S	S	S	S	S	53
SCTG 20, BASIC CHEMICALS							
Total	13 304	100.0	38 463	100.0	22 149	100.0	650
Single modes	10 986	82.6	37 570	97.7	21 599	97.5	223
Truck ¹	8 568	64.4	21 532	56.0	4 008	18.1	183
For-hire truck	4 883	36.7	10 584	27.5	3 097	14.0	769
Private truck	3 646	27.4	10 885	28.3	891	4.0	51
Rail	2 216	16.7	15 351	39.9	17 467	78.9	1 160
Water	S	S	S	S	S	S	1 271
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 271
Air (includes truck and air)	S	S	1	—	1	—	1 492
Pipeline ²	65	.5	625	1.6	S	S	S
Multiple modes	1 988	14.9	357	.9	487	2.2	1 211
Parcel, U.S. Postal Service or courier	1 715	12.9	56	.1	55	.2	1 211
Truck and rail	S	S	283	.7	409	1.8	1 621
Truck and water	S	S	18	—	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	657
Other and unknown modes	329	2.5	S	S	S	S	132
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	31 858	100.0	1 086	100.0	688	100.0	917
Single modes	16 777	52.7	871	80.2	555	80.8	295
Truck ¹	14 461	45.4	820	75.5	441	64.2	107
For-hire truck	4 714	14.8	318	29.3	392	57.1	280
Private truck	9 747	30.6	502	46.2	49	7.1	68
Rail	S	S	S	S	S	S	1 250
Water	S	S	S	S	S	S	1 338
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 338
Air (includes truck and air)	2 139	6.7	17	1.6	32	4.7	1 916
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	14 379	45.1	170	15.7	98	14.2	1 056
Parcel, U.S. Postal Service or courier	14 086	44.2	162	14.9	92	13.4	1 057
Truck and rail	S	S	S	S	S	S	1 596
Truck and water	291	.9	7	.6	S	S	317
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	1 387

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	4 108	100.0	27 911	100.0	9 855	100.0	104
Single modes	3 822	93.0	25 359	90.9	9 679	98.2	103
Truck ¹	3 125	76.1	19 695	70.6	2 552	25.9	74
For-hire truck	899	21.9	4 896	17.5	1 390	14.1	281
Private truck	2 224	54.1	14 791	53.0	1 161	11.8	46
Rail	643	15.7	4 992	17.9	5 487	55.7	1 110
Water	S	S	S	S	S	S	S
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	73	.3	98	1.0	346
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	S
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	73	.3	98	1.0	1 273
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	265	6.5	S	S	S	S	67
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	34 121	100.0	12 446	100.0	6 090	100.0	339
Single modes	27 589	80.9	11 658	93.7	5 570	91.5	170
Truck ¹	26 795	78.5	10 886	87.5	4 273	70.2	147
For-hire truck	15 977	46.8	6 586	52.9	3 829	62.9	517
Private truck	10 736	31.5	4 282	34.4	439	7.2	45
Rail	214	.6	319	2.6	698	11.5	2 137
Water	S	S	S	S	S	S	856
Shallow draft	S	S	S	S	S	S	2
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	860
Air (includes truck and air)	S	S	23	.2	46	.8	1 667
Pipeline ²	9	—	37	.3	S	S	S
Multiple modes	4 227	12.4	370	3.0	367	6.0	572
Parcel, U.S. Postal Service or courier	4 033	11.8	245	2.0	126	2.1	570
Truck and rail	88	.3	98	.8	175	2.9	1 539
Truck and water	105	.3	24	.2	59	1.0	1 111
Rail and water	S	S	S	S	S	S	1 946
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	417	3.4	153	2.5	217
SCTG 24, PLASTICS AND RUBBER							
Total	31 793	100.0	9 405	100.0	4 513	100.0	539
Single modes	24 597	77.4	8 542	90.8	3 929	87.1	188
Truck ¹	23 876	75.1	8 249	87.7	3 661	81.1	161
For-hire truck	12 593	39.6	4 070	43.3	3 132	69.4	731
Private truck	11 089	34.9	3 972	42.2	478	10.6	52
Rail	367	1.2	267	2.8	226	5.0	1 760
Water	21	—	4	—	S	S	1 560
Shallow draft	S	S	S	S	S	S	69
Great Lakes	—	—	—	—	—	—	—
Deep draft	20	—	4	—	S	S	1 655
Air (includes truck and air)	333	1.0	20	.2	33	.7	1 797
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	5 583	17.6	325	3.5	462	10.2	1 088
Parcel, U.S. Postal Service or courier	5 385	16.9	246	2.6	267	5.9	1 088
Truck and rail	161	.5	64	.7	164	3.6	2 451
Truck and water	37	.1	15	.2	31	.7	1 099
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 613	5.1	538	5.7	122	2.7	53

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	7 341	100.0	107 582	100.0	7 831	100.0	65
Single modes	6 553	89.3	101 198	94.1	6 080	77.6	58
Truck ¹	6 272	85.4	99 257	92.3	5 434	69.4	56
For-hire truck	3 344	45.6	39 393	36.6	2 798	35.7	72
Private truck	2 888	39.3	58 594	54.5	2 506	32.0	43
Rail	250	3.4	1 560	1.4	629	8.0	S
Water	S	S	S	S	S	S	35
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	35
Air (includes truck and air)	S	S	S	S	S	S	348
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	200	2.6	692
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	688
Truck and rail	S	S	S	S	S	S	2 418
Truck and water	20	.3	S	S	S	S	438
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 26, WOOD PRODUCTS							
Total	36 013	100.0	83 250	100.0	39 190	100.0	271
Single modes	33 374	92.7	70 884	85.1	35 609	90.9	202
Truck ¹	28 423	78.9	58 730	70.5	16 179	41.3	172
For-hire truck	15 897	44.1	33 282	40.0	12 708	32.4	482
Private truck	12 335	34.3	24 817	29.8	3 360	8.6	80
Rail	4 776	13.3	11 863	14.2	18 493	47.2	1 565
Water	S	S	S	S	S	S	3 187
Shallow draft	S	S	S	S	S	S	191
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	3 292
Air (includes truck and air)	28	—	11	—	S	S	1 351
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 059	2.9	1 535	1.8	2 357	6.0	1 030
Parcel, U.S. Postal Service or courier	170	.5	15	—	17	—	980
Truck and rail	815	2.3	1 387	1.7	2 082	5.3	1 824
Truck and water	74	.2	132	.2	258	.7	2 123
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 910
Other and unknown modes	1 581	4.4	S	S	1 225	3.1	96
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	14 163	100.0	18 616	100.0	10 635	100.0	202
Single modes	12 304	86.9	17 006	91.3	9 081	85.4	127
Truck ¹	9 971	70.4	11 661	62.6	3 952	37.2	112
For-hire truck	5 016	35.4	7 614	40.9	3 546	33.3	347
Private truck	4 773	33.7	3 940	21.2	403	3.8	48
Rail	2 204	15.6	5 125	27.5	5 055	47.5	1 023
Water	115	.8	210	1.1	S	S	1 243
Shallow draft	S	S	S	S	4	—	29
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 528
Air (includes truck and air)	S	S	S	S	S	S	1 804
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	984	6.9	933	5.0	1 276	12.0	663
Parcel, U.S. Postal Service or courier	307	2.2	26	.1	12	.1	635
Truck and rail	373	2.6	499	2.7	757	7.1	1 324
Truck and water	245	1.7	315	1.7	334	3.1	1 493
Rail and water	S	S	S	S	S	S	1 731
Other multiple modes	S	S	S	S	S	S	2 200
Other and unknown modes	S	S	678	3.6	278	2.6	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	17 835	100.0	18 536	100.0	4 861	100.0	388
Single modes	16 507	92.6	17 924	96.7	4 454	91.6	118
Truck ¹	15 908	89.2	17 353	93.6	3 397	69.9	101
For-hire truck	8 557	48.0	8 999	48.5	2 925	60.2	381
Private truck	7 086	39.7	8 176	44.1	437	9.0	38
Rail	248	1.4	332	1.8	522	10.7	2 193
Water	327	1.8	231	1.2	S	S	4 027
Shallow draft	S	S	S	S	S	S	54
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	4 719
Air (includes truck and air)	23	.1	S	S	S	S	1 580
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	845	4.7	231	1.2	300	6.2	1 095
Parcel, U.S. Postal Service or courier	652	3.7	85	.5	69	1.4	1 095
Truck and rail	S	S	S	S	S	S	1 464
Truck and water	87	.5	65	.4	110	2.3	1 019
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	2 853
Other and unknown modes	482	2.7	381	2.1	S	S	63
SCTG 29, PRINTED PRODUCTS							
Total	33 211	100.0	12 936	100.0	3 768	100.0	450
Single modes	21 560	64.9	11 033	85.3	1 830	48.6	96
Truck ¹	20 785	62.6	10 833	83.7	1 584	42.0	68
For-hire truck	6 828	20.6	2 123	16.4	1 303	34.6	600
Private truck	13 638	41.1	8 576	66.3	279	7.4	25
Rail	S	S	S	S	S	S	1 173
Water	S	S	S	S	S	S	2 507
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	2 507
Air (includes truck and air)	720	2.2	101	.8	140	3.7	1 586
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	9 665	29.1	844	6.5	880	23.4	579
Parcel, U.S. Postal Service or courier	9 595	28.9	828	6.4	849	22.5	579
Truck and rail	S	S	S	S	S	S	2 767
Truck and water	66	.2	14	.1	S	S	1 448
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 986	6.0	1 059	8.2	S	S	390
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	68 663	100.0	4 989	100.0	3 676	100.0	1 358
Single modes	49 173	71.6	4 317	86.5	2 839	77.2	1 038
Truck ¹	46 709	68.0	4 229	84.8	2 653	72.2	892
For-hire truck	31 111	45.3	1 828	36.6	2 069	56.3	1 624
Private truck	15 324	22.3	2 388	47.9	568	15.5	255
Rail	92	.1	27	.5	70	1.9	1 923
Water	S	S	S	S	S	S	1 383
Shallow draft	S	S	S	S	S	S	337
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 821
Air (includes truck and air)	2 148	3.1	54	1.1	103	2.8	2 076
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	17 470	25.4	552	11.1	768	20.9	1 514
Parcel, U.S. Postal Service or courier	16 400	23.9	444	8.9	618	16.8	1 512
Truck and rail	S	S	S	S	S	S	782
Truck and water	S	S	S	S	S	S	2 260
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	5 094
Other and unknown modes	2 019	2.9	119	2.4	69	1.9	132

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	20 855	100.0	181 652	100.0	18 648	100.0	320
Single modes	18 965	90.9	177 291	97.6	16 296	87.4	168
Truck ¹	18 196	87.3	169 810	93.5	11 193	60.0	160
For-hire truck	7 053	33.8	35 545	19.6	6 684	35.8	387
Private truck	10 803	51.8	132 962	73.2	4 293	23.0	124
Rail	588	2.8	7 323	4.0	4 808	25.8	865
Water	S	S	S	S	S	S	353
Shallow draft	S	S	S	S	S	S	441
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	292
Air (includes truck and air)	176	.8	145	—	S	S	1 202
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 053	5.0	887	.5	878	4.7	1 080
Parcel, U.S. Postal Service or courier	827	4.0	93	—	70	.4	1 078
Truck and rail	124	.6	564	.3	355	1.9	657
Truck and water	S	S	213	.1	429	2.3	1 684
Rail and water	S	S	S	S	S	S	2 436
Other multiple modes	S	S	S	S	S	S	1 551
Other and unknown modes	838	4.0	3 474	1.9	1 474	7.9	227
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	38 191	100.0	29 600	100.0	14 712	100.0	390
Single modes	34 078	89.2	25 847	87.3	11 640	79.1	199
Truck ¹	28 431	74.4	21 280	71.9	6 079	41.3	152
For-hire truck	15 701	41.1	11 409	38.5	5 287	35.9	643
Private truck	12 536	32.8	9 769	33.0	720	4.9	44
Rail	5 214	13.7	4 208	14.2	5 257	35.7	1 320
Water	103	.3	S	S	135	.9	1 076
Shallow draft	S	S	S	S	S	S	282
Great Lakes	—	—	—	—	—	—	—
Deep draft	89	.2	S	S	130	.9	1 174
Air (includes truck and air)	331	.9	S	S	169	1.1	1 797
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 433	6.4	S	S	983	6.7	1 217
Parcel, U.S. Postal Service or courier	1 417	3.7	56	.2	S	S	1 212
Truck and rail	480	1.3	382	1.3	630	4.3	1 559
Truck and water	63	.2	69	.2	217	1.5	2 023
Rail and water	S	S	S	S	S	S	1 776
Other multiple modes	S	S	S	S	S	S	312
Other and unknown modes	1 679	4.4	1 971	6.7	S	S	185
SCTG 33, ARTICLES OF BASE METAL							
Total	36 646	100.0	14 161	100.0	7 826	100.0	441
Single modes	26 151	71.4	11 661	82.3	4 808	61.4	185
Truck ¹	25 001	68.2	10 839	76.5	3 813	48.7	158
For-hire truck	14 623	39.9	5 802	41.0	3 339	42.7	623
Private truck	10 324	28.2	4 984	35.2	452	5.8	45
Rail	441	1.2	617	4.4	658	8.4	1 524
Water	S	S	S	S	S	S	771
Shallow draft	S	S	S	S	S	S	170
Great Lakes	—	—	—	—	—	—	—
Deep draft	15	—	8	—	S	S	1 031
Air (includes truck and air)	671	1.8	S	S	S	S	1 491
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	7 350	20.1	352	2.5	S	S	750
Parcel, U.S. Postal Service or courier	7 188	19.6	239	1.7	202	2.6	749
Truck and rail	79	.2	22	.2	36	.5	1 932
Truck and water	82	.2	S	S	S	S	1 139
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 608
Other and unknown modes	3 145	8.6	2 148	15.2	2 233	28.5	138

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	54 232	100.0	4 737	100.0	3 993	100.0	449
Single modes	40 750	75.1	3 958	83.6	3 141	78.7	238
Truck ¹	37 105	68.4	3 793	80.1	2 794	70.0	166
For-hire truck	23 861	44.0	2 450	51.7	2 422	60.6	736
Private truck	13 083	24.1	1 317	27.8	318	8.0	48
Rail	181	.3	26	.6	71	1.8	2 586
Water	S	S	S	S	S	S	630
Shallow draft	S	S	S	S	S	S	71
Great Lakes	—	—	—	—	—	—	—
Deep draft	25	—	3	—	S	S	1 085
Air (includes truck and air)	3 322	6.1	S	S	S	S	1 673
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	8 809	16.2	274	5.8	296	7.4	819
Parcel, U.S. Postal Service or courier	8 688	16.0	258	5.5	255	6.4	819
Truck and rail	S	S	S	S	S	S	2 108
Truck and water	S	S	S	S	S	S	816
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	31
Other and unknown modes	4 673	8.6	505	10.7	S	S	58
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	284 101	100.0	7 030	100.0	6 876	100.0	861
Single modes	175 878	61.9	5 827	82.9	5 576	81.1	475
Truck ¹	136 714	48.1	5 491	78.1	5 066	73.7	264
For-hire truck	97 268	34.2	3 400	48.4	4 371	63.6	973
Private truck	37 437	13.2	1 962	27.9	525	7.6	69
Rail	1 010	.4	119	1.7	171	2.5	1 952
Water	102	—	4	—	—	—	S
Shallow draft	S	S	S	S	S	S	62
Great Lakes	—	—	—	—	—	—	—
Deep draft	72	—	3	—	—	—	894
Air (includes truck and air)	38 051	13.4	213	3.0	338	4.9	1 795
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	87 951	31.0	694	9.9	855	12.4	1 201
Parcel, U.S. Postal Service or courier	87 333	30.7	664	9.4	802	11.7	1 201
Truck and rail	S	S	S	S	S	S	2 315
Truck and water	S	S	14	.2	23	.3	1 938
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	19
Other and unknown modes	20 272	7.1	509	7.2	445	6.5	385
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	49 615	100.0	6 310	100.0	3 756	100.0	413
Single modes	36 976	74.5	5 035	79.8	2 764	73.6	173
Truck ¹	34 961	70.5	4 914	77.9	2 550	67.9	88
For-hire truck	24 350	49.1	2 390	37.9	1 835	48.9	396
Private truck	10 538	21.2	2 515	39.9	709	18.9	32
Rail	333	.7	41	.7	93	2.5	2 174
Water	74	.1	13	.2	S	S	1 302
Shallow draft	S	S	S	S	S	S	371
Great Lakes	—	—	—	—	—	—	—
Deep draft	49	.1	10	.2	S	S	1 777
Air (includes truck and air)	1 608	3.2	67	1.1	116	3.1	1 648
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	4 703	9.5	217	3.4	251	6.7	960
Parcel, U.S. Postal Service or courier	4 157	8.4	174	2.8	170	4.5	958
Truck and rail	S	S	22	.4	40	1.1	1 039
Truck and water	S	S	S	S	S	S	1 810
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	3
Other and unknown modes	7 937	16.0	1 058	16.8	741	19.7	124

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	67 711	100.0	715	100.0	457	100.0	829
Single modes	59 460	87.8	667	93.4	388	85.0	628
Truck ¹	12 097	17.9	402	56.2	250	54.7	278
For-hire truck	8 128	12.0	306	42.9	234	51.1	849
Private truck	3 958	5.8	95	13.3	16	3.6	56
Rail	1 904	2.8	218	30.5	S	S	1 678
Water	S	S	S	S	S	S	280
Shallow draft	S	S	S	S	S	S	280
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	45 458	67.1	47	6.6	60	13.2	1 595
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	7 226	10.7	34	4.8	60	13.1	991
Parcel, U.S. Postal Service or courier	5 450	8.0	34	4.7	58	12.7	991
Truck and rail	S	S	S	S	S	S	2 310
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	13	1.8	9	2.0	501
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	42 897	100.0	593	100.0	545	100.0	1 312
Single modes	24 420	56.9	454	76.7	346	63.4	1 022
Truck ¹	17 690	41.2	419	70.8	277	50.9	331
For-hire truck	11 854	27.6	303	51.1	259	47.6	865
Private truck	5 833	13.6	117	19.7	18	3.3	103
Rail	S	S	S	S	S	S	1 439
Water	S	S	S	S	S	S	S
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	6 712	15.6	34	5.7	66	12.2	1 979
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	16 400	38.2	103	17.3	150	27.6	1 423
Parcel, U.S. Postal Service or courier	16 307	38.0	100	16.9	146	26.8	1 423
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	1 746
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 077	4.8	36	6.0	S	S	276
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	16 890	100.0	3 050	100.0	2 349	100.0	666
Single modes	14 389	85.2	2 805	92.0	2 065	87.9	383
Truck ¹	14 260	84.4	2 766	90.7	1 978	84.2	362
For-hire truck	6 585	39.0	1 327	43.5	1 715	73.0	1 035
Private truck	7 602	45.0	1 423	46.7	243	10.3	99
Rail	49	.3	27	.9	S	S	773
Water	6	—	1	—	S	S	987
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	6	—	1	—	S	S	987
Air (includes truck and air)	74	.4	S	S	16	.7	1 879
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 633	9.7	128	4.2	218	9.3	1 293
Parcel, U.S. Postal Service or courier	1 440	8.5	85	2.8	113	4.8	1 281
Truck and rail	157	.9	38	1.2	93	4.0	2 496
Truck and water	36	.2	5	.2	13	.5	1 966
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	868	5.1	117	3.8	S	S	92

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	101 666	100.0	15 041	100.0	8 687	100.0	1 307
Single modes	67 699	66.6	11 938	79.4	4 399	50.6	687
Truck ¹	62 960	61.9	11 785	78.3	4 084	47.0	590
For-hire truck	29 779	29.3	4 974	33.1	3 061	35.2	1 336
Private truck	32 900	32.4	6 689	44.5	971	11.2	131
Rail	269	.3	56	.4	112	1.3	1 865
Water	S	S	S	S	S	S	1 434
Shallow draft	S	S	S	S	S	S	368
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 486
Air (includes truck and air)	4 442	4.4	95	.6	199	2.3	1 960
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	31 067	30.6	834	5.5	1 254	14.4	1 555
Parcel, U.S. Postal Service or courier	30 697	30.2	765	5.1	1 094	12.6	1 554
Truck and rail	294	.3	51	.3	123	1.4	2 455
Truck and water	76	—	18	.1	37	.4	1 526
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 901	2.9	S	S	S	S	429
SCTG 41, WASTE AND SCRAP							
Total	5 714	100.0	36 630	100.0	9 155	100.0	160
Single modes	4 658	81.5	32 612	89.0	6 657	72.7	117
Truck ¹	4 212	73.7	27 138	74.1	4 259	46.5	101
For-hire truck	2 196	38.4	13 319	36.4	2 921	31.9	189
Private truck	1 955	34.2	10 635	29.0	1 239	13.5	S
Rail	420	7.4	5 311	14.5	2 393	26.1	446
Water	S	S	S	S	S	S	33
Shallow draft	S	S	S	S	S	S	7
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	33
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	240	4.2	295	.8	599	6.5	1 351
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	730
Truck and rail	198	3.5	174	.5	300	3.3	1 730
Truck and water	S	S	S	S	S	S	2 112
Rail and water	—	—	—	—	—	—	—
Other multiple modes	4	—	4	—	19	.2	5 222
Other and unknown modes	817	14.3	S	S	1 899	20.7	696
SCTG 43, MIXED FREIGHT							
Total	53 990	100.0	27 044	100.0	3 207	100.0	366
Single modes	52 725	97.7	26 713	98.8	2 873	89.6	115
Truck ¹	52 441	97.1	26 688	98.7	2 847	88.8	109
For-hire truck	2 396	4.4	460	1.7	282	8.8	741
Private truck	49 989	92.6	26 217	96.9	2 562	79.9	71
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	400
Shallow draft	S	S	S	S	S	S	187
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	419
Air (includes truck and air)	S	S	S	S	S	S	1 818
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	875	1.6	176	.7	S	S	1 167
Parcel, U.S. Postal Service or courier	604	1.1	47	.2	54	1.7	1 166
Truck and rail	S	S	S	S	S	S	2 164
Truck and water	228	.4	S	S	S	S	1 338
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	390	.7	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	7 765	100.0	8 631	100.0	1 499	100.0	506
Single modes	6 335	81.6	8 492	98.4	1 407	93.9	316
Truck ¹	5 315	68.4	5 970	69.2	866	57.8	281
For-hire truck	3 172	40.9	S	S	558	37.3	683
Private truck	1 680	21.6	2 110	24.4	110	7.3	154
Rail	102	1.3	S	S	302	20.2	1 203
Water	S	S	S	S	S	S	866
Shallow draft	S	S	S	S	S	S	76
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 493
Air (includes truck and air)	390	5.0	6	—	S	S	1 833
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	918	11.8	78	.9	49	3.3	652
Parcel, U.S. Postal Service or courier	883	11.4	19	.2	15	1.0	650
Truck and rail	16	.2	S	S	S	S	1 254
Truck and water	S	S	S	S	S	S	1 372
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	512	6.6	62	.7	43	2.9	416

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 367 369	2 101 462	717 301
Less than 50 miles	524 269	1 235 920	25 933
50 to 99 miles	99 970	165 073	16 541
100 to 249 miles	122 501	164 182	34 322
250 to 499 miles	122 934	110 030	50 876
500 to 749 miles	66 269	129 411	117 801
750 to 999 miles	66 415	135 871	164 474
1,000 to 1,499 miles	91 201	107 243	173 683
1,500 to 1,999 miles	122 241	31 682	70 906
2,000 miles or more	151 569	22 050	62 765
SCTG 01, Live animals and live fish	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	10 055	74 700	11 617
Less than 50 miles	6 492	48 128	427
50 to 99 miles	398	3 115	332
100 to 249 miles	1 384	10 796	2 521
250 to 499 miles	1 057	8 506	3 624
500 to 749 miles	415	2 758	2 577
750 to 999 miles	110	713	842
1,000 to 1,499 miles	84	433	686
1,500 to 1,999 miles	68	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	27 514	31 750	22 561
Less than 50 miles	9 861	13 145	224
50 to 99 miles	1 945	2 106	195
100 to 249 miles	3 958	3 586	679
250 to 499 miles	2 021	2 464	1 079
500 to 749 miles	900	1 227	947
750 to 999 miles	1 119	1 459	1 601
1,000 to 1,499 miles	1 338	1 684	2 708
1,500 to 1,999 miles	2 604	2 863	6 226
2,000 miles or more	3 768	3 215	8 902
SCTG 04, Animal feed and products of animal origin, n.e.c.	9 001	31 114	5 687
Less than 50 miles	4 517	18 448	591
50 to 99 miles	957	2 954	262
100 to 249 miles	1 581	5 900	1 162
250 to 499 miles	605	1 766	734
500 to 749 miles	349	741	611
750 to 999 miles	259	602	685
1,000 to 1,499 miles	181	218	333
1,500 to 1,999 miles	108	112	240
2,000 miles or more	444	372	1 067
SCTG 05, Meat, fish, seafood, and their preparations	37 521	13 744	5 266
Less than 50 miles	18 918	7 326	164
50 to 99 miles	3 112	1 141	113
100 to 249 miles	3 024	1 185	239
250 to 499 miles	3 020	1 043	426
500 to 749 miles	2 428	733	561
750 to 999 miles	1 909	610	628
1,000 to 1,499 miles	2 180	935	1 348
1,500 to 1,999 miles	1 519	490	1 006
2,000 miles or more	1 410	280	782
SCTG 06, Milled grain products and preparations, and bakery products	19 321	16 602	6 747
Less than 50 miles	8 107	7 296	186
50 to 99 miles	1 904	1 525	138
100 to 249 miles	3 089	2 590	465
250 to 499 miles	2 027	1 740	723
500 to 749 miles	952	880	673
750 to 999 miles	1 002	981	1 118
1,000 to 1,499 miles	811	540	822
1,500 to 1,999 miles	737	589	1 338
2,000 miles or more	692	460	1 283
SCTG 07, Other prepared foodstuffs and fats and oils	60 399	74 454	28 332
Less than 50 miles	26 776	41 024	919
50 to 99 miles	5 292	6 651	617
100 to 249 miles	7 709	9 825	1 946
250 to 499 miles	4 820	4 281	1 813
500 to 749 miles	3 539	2 854	2 203
750 to 999 miles	1 850	1 437	1 597
1,000 to 1,499 miles	2 736	2 379	3 927
1,500 to 1,999 miles	4 780	3 338	7 478
2,000 miles or more	2 898	2 664	7 830

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	26 774	24 246	15 560
Less than 50 miles	13 905	10 472	217
50 to 99 miles	2 421	1 966	173
100 to 249 miles	2 971	1 908	337
250 to 499 miles	1 667	1 686	770
500 to 749 miles	1 095	1 645	1 499
750 to 999 miles	934	1 995	2 519
1,000 to 1,499 miles	708	1 735	3 051
1,500 to 1,999 miles	1 284	1 760	3 753
2,000 miles or more	1 789	1 079	3 241
SCTG 09, Tobacco products	2 666	191	29
Less than 50 miles	1 237	80	2
50 to 99 miles	498	S	S
100 to 249 miles	509	21	4
250 to 499 miles	128	15	6
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	1	S
SCTG 10, Monumental or building stone	456	1 814	150
Less than 50 miles	S	1 397	S
50 to 99 miles	S	110	10
100 to 249 miles	S	196	31
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	1	4	6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	704	66 334	2 720
Less than 50 miles	549	60 316	1 340
50 to 99 miles	30	3 323	291
100 to 249 miles	28	1 619	336
250 to 499 miles	S	628	284
500 to 749 miles	S	64	57
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	19	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	2 161	301 228	9 965
Less than 50 miles	1 990	284 647	6 466
50 to 99 miles	83	8 726	855
100 to 249 miles	46	5 744	1 134
250 to 499 miles	22	1 353	636
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	1 786	18 236	10 552
Less than 50 miles	S	7 575	163
50 to 99 miles	45	1 112	98
100 to 249 miles	140	1 940	448
250 to 499 miles	113	1 019	441
500 to 749 miles	172	1 813	1 570
750 to 999 miles	101	1 332	1 581
1,000 to 1,499 miles	225	2 198	3 494
1,500 to 1,999 miles	107	1 041	2 203
2,000 miles or more	48	207	555
SCTG 14, Metallic ores and concentrates	6 233	12 218	2 139
Less than 50 miles	1 184	7 984	33
50 to 99 miles	844	1 314	134
100 to 249 miles	1 508	1 280	294
250 to 499 miles	785	S	S
500 to 749 miles	443	550	S
750 to 999 miles	311	104	143
1,000 to 1,499 miles	190	S	S
1,500 to 1,999 miles	400	66	142
2,000 miles or more	567	61	167
SCTG 15, Coal	4 987	401 966	346 957
Less than 50 miles	1 318	71 544	1 072
50 to 99 miles	562	23 776	2 636
100 to 249 miles	355	22 854	5 615
250 to 499 miles	304	23 347	12 277
500 to 749 miles	727	81 999	76 950
750 to 999 miles	959	105 603	129 320
1,000 to 1,499 miles	727	70 530	113 472
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	55 026	193 333	18 562
Less than 50 miles	43 111	149 161	2 364
50 to 99 miles	4 279	15 134	1 243
100 to 249 miles	4 383	15 550	2 788
250 to 499 miles	1 853	6 902	2 518
500 to 749 miles	81	S	158
750 to 999 miles	S	S	S
1,000 to 1,499 miles	948	4 577	6 265
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	19 098	81 760	10 518
Less than 50 miles	14 017	57 268	921
50 to 99 miles	1 640	7 192	664
100 to 249 miles	1 372	7 013	1 334
250 to 499 miles	948	5 302	2 348
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	10 499	86 898	24 844
Less than 50 miles	5 928	51 338	1 252
50 to 99 miles	840	9 210	S
100 to 249 miles	1 441	8 174	1 844
250 to 499 miles	S	6 594	3 410
500 to 749 miles	345	5 517	5 722
750 to 999 miles	228	1 838	2 288
1,000 to 1,499 miles	137	S	S
1,500 to 1,999 miles	54	S	S
2,000 miles or more	56	78	213
SCTG 20, Basic chemicals	13 304	38 463	22 149
Less than 50 miles	4 643	15 581	539
50 to 99 miles	881	4 418	476
100 to 249 miles	990	3 789	807
250 to 499 miles	929	2 144	1 127
500 to 749 miles	1 290	4 523	4 413
750 to 999 miles	1 015	1 606	2 006
1,000 to 1,499 miles	1 374	3 280	5 386
1,500 to 1,999 miles	1 260	2 700	6 202
2,000 miles or more	923	421	1 193
SCTG 21, Pharmaceutical products	31 858	1 086	688
Less than 50 miles	12 800	509	10
50 to 99 miles	3 024	80	7
100 to 249 miles	3 378	84	18
250 to 499 miles	2 686	74	30
500 to 749 miles	949	26	16
750 to 999 miles	1 256	39	41
1,000 to 1,499 miles	2 806	106	162
1,500 to 1,999 miles	2 411	108	239
2,000 miles or more	2 549	60	164
SCTG 22, Fertilizers	4 108	27 911	9 855
Less than 50 miles	2 398	15 331	458
50 to 99 miles	292	2 731	240
100 to 249 miles	371	2 193	474
250 to 499 miles	297	1 720	869
500 to 749 miles	404	3 103	2 851
750 to 999 miles	131	1 142	1 384
1,000 to 1,499 miles	S	724	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	7	28	75
SCTG 23, Chemical products and preparations, n.e.c.	34 121	12 446	6 090
Less than 50 miles	14 210	5 246	111
50 to 99 miles	2 316	928	85
100 to 249 miles	3 384	1 397	281
250 to 499 miles	3 617	1 576	640
500 to 749 miles	1 780	894	667
750 to 999 miles	1 755	425	459
1,000 to 1,499 miles	3 435	990	1 460
1,500 to 1,999 miles	1 843	571	1 219
2,000 miles or more	1 781	418	1 169
SCTG 24, Plastics and rubber	31 793	9 405	4 513
Less than 50 miles	13 745	4 251	94
50 to 99 miles	2 197	767	74
100 to 249 miles	2 996	1 201	246
250 to 499 miles	2 935	931	395
500 to 749 miles	1 781	530	411
750 to 999 miles	1 621	443	480
1,000 to 1,499 miles	1 687	354	541
1,500 to 1,999 miles	2 256	443	938
2,000 miles or more	2 574	484	1 335

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	7 341	107 582	7 831
Less than 50 miles	5 013	84 700	2 659
50 to 99 miles	1 217	15 104	1 589
100 to 249 miles	666	5 953	1 149
250 to 499 miles	94	299	147
500 to 749 miles	63	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	46	85	197
2,000 miles or more	S	S	S
SCTG 26, Wood products	36 013	83 250	39 190
Less than 50 miles	12 423	33 085	823
50 to 99 miles	4 078	12 479	1 234
100 to 249 miles	5 579	12 675	2 709
250 to 499 miles	2 960	7 725	3 617
500 to 749 miles	1 929	4 416	3 752
750 to 999 miles	1 670	3 046	3 839
1,000 to 1,499 miles	1 917	3 102	5 287
1,500 to 1,999 miles	3 133	4 032	9 726
2,000 miles or more	2 324	2 690	8 205
SCTG 27, Pulp, newsprint, paper, and paperboard	14 163	18 616	10 635
Less than 50 miles	6 195	5 660	141
50 to 99 miles	1 189	1 605	152
100 to 249 miles	1 549	2 575	596
250 to 499 miles	1 576	2 439	1 256
500 to 749 miles	1 038	1 923	1 564
750 to 999 miles	1 267	2 641	3 049
1,000 to 1,499 miles	365	611	963
1,500 to 1,999 miles	579	747	1 696
2,000 miles or more	406	414	1 217
SCTG 28, Paper or paperboard articles	17 835	18 536	4 861
Less than 50 miles	8 804	11 643	297
50 to 99 miles	1 543	1 660	158
100 to 249 miles	1 727	1 483	292
250 to 499 miles	1 821	1 564	725
500 to 749 miles	1 142	649	508
750 to 999 miles	1 226	734	817
1,000 to 1,499 miles	459	265	387
1,500 to 1,999 miles	469	205	458
2,000 miles or more	643	332	1 220
SCTG 29, Printed products	33 211	12 936	3 768
Less than 50 miles	17 035	9 532	171
50 to 99 miles	1 818	527	48
100 to 249 miles	1 968	511	103
250 to 499 miles	2 417	642	285
500 to 749 miles	1 759	291	225
750 to 999 miles	1 555	246	282
1,000 to 1,499 miles	1 716	175	272
1,500 to 1,999 miles	2 736	573	1 148
2,000 miles or more	2 206	439	1 233
SCTG 30, Textiles, leather, and articles of textiles or leather	68 663	4 989	3 676
Less than 50 miles	17 700	1 978	42
50 to 99 miles	2 198	325	30
100 to 249 miles	5 059	679	141
250 to 499 miles	7 834	435	177
500 to 749 miles	2 574	123	97
750 to 999 miles	3 349	155	173
1,000 to 1,499 miles	4 694	200	311
1,500 to 1,999 miles	10 650	455	962
2,000 miles or more	14 605	638	1 744
SCTG 31, Nonmetallic mineral products	20 855	181 652	18 648
Less than 50 miles	11 593	139 103	2 560
50 to 99 miles	2 415	16 299	1 618
100 to 249 miles	2 058	12 784	2 573
250 to 499 miles	1 582	7 384	3 354
500 to 749 miles	746	2 293	1 862
750 to 999 miles	653	1 259	1 414
1,000 to 1,499 miles	506	1 103	1 818
1,500 to 1,999 miles	661	728	1 580
2,000 miles or more	641	697	1 871
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	38 191	29 600	14 712
Less than 50 miles	14 979	13 132	291
50 to 99 miles	2 816	2 692	253
100 to 249 miles	3 370	2 883	562
250 to 499 miles	3 381	3 158	1 384
500 to 749 miles	2 880	2 389	1 956
750 to 999 miles	2 217	1 290	1 513
1,000 to 1,499 miles	3 373	1 463	2 426
1,500 to 1,999 miles	2 864	1 522	3 382
2,000 miles or more	2 311	1 071	2 947

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	36 646	14 161	7 826
Less than 50 miles	15 321	5 912	127
50 to 99 miles	2 622	1 291	117
100 to 249 miles	3 451	1 578	298
250 to 499 miles	3 261	1 474	626
500 to 749 miles	1 977	982	763
750 to 999 miles	1 972	677	756
1,000 to 1,499 miles	2 959	786	1 198
1,500 to 1,999 miles	2 334	590	1 578
2,000 miles or more	2 748	871	2 363
SCTG 34, Machinery	54 232	4 737	3 993
Less than 50 miles	19 530	1 717	41
50 to 99 miles	3 138	234	24
100 to 249 miles	4 775	442	87
250 to 499 miles	3 645	324	142
500 to 749 miles	3 778	227	179
750 to 999 miles	2 755	264	286
1,000 to 1,499 miles	4 294	508	755
1,500 to 1,999 miles	6 334	478	1 012
2,000 miles or more	5 984	543	1 466
SCTG 35, Electronic and other electrical equipment and components and office equipment	284 101	7 030	6 876
Less than 50 miles	73 223	2 280	41
50 to 99 miles	12 626	379	33
100 to 249 miles	11 639	350	70
250 to 499 miles	31 600	908	394
500 to 749 miles	16 068	294	224
750 to 999 miles	18 084	290	323
1,000 to 1,499 miles	28 625	615	934
1,500 to 1,999 miles	34 761	668	1 430
2,000 miles or more	57 474	1 246	3 427
SCTG 36, Motorized and other vehicles (including parts)	49 615	6 310	3 756
Less than 50 miles	16 769	1 995	40
50 to 99 miles	3 204	349	34
100 to 249 miles	5 343	544	110
250 to 499 miles	6 513	1 712	657
500 to 749 miles	3 100	370	291
750 to 999 miles	1 922	152	169
1,000 to 1,499 miles	4 781	491	811
1,500 to 1,999 miles	4 204	392	824
2,000 miles or more	3 779	305	822
SCTG 37, Transportation equipment, n.e.c.	67 711	715	457
Less than 50 miles	23 604	377	6
50 to 99 miles	440	7	1
100 to 249 miles	1 460	68	15
250 to 499 miles	1 366	50	24
500 to 749 miles	1 470	S	S
750 to 999 miles	5 054	15	16
1,000 to 1,499 miles	5 803	S	S
1,500 to 1,999 miles	13 835	53	123
2,000 miles or more	14 680	56	158
SCTG 38, Precision instruments and apparatus	42 897	593	545
Less than 50 miles	11 272	159	4
50 to 99 miles	1 183	23	2
100 to 249 miles	1 606	54	11
250 to 499 miles	4 420	83	36
500 to 749 miles	2 882	41	31
750 to 999 miles	3 476	50	53
1,000 to 1,499 miles	3 938	35	53
1,500 to 1,999 miles	5 381	74	155
2,000 miles or more	8 739	74	200
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	16 890	3 050	2 349
Less than 50 miles	7 377	1 256	25
50 to 99 miles	909	187	17
100 to 249 miles	1 049	216	45
250 to 499 miles	1 555	260	109
500 to 749 miles	707	120	95
750 to 999 miles	887	178	199
1,000 to 1,499 miles	951	216	322
1,500 to 1,999 miles	1 579	239	506
2,000 miles or more	1 875	377	1 033
SCTG 40, Miscellaneous manufactured products	101 666	15 041	8 687
Less than 50 miles	20 743	4 314	122
50 to 99 miles	S	2 108	178
100 to 249 miles	15 505	2 825	572
250 to 499 miles	13 283	1 438	617
500 to 749 miles	4 686	749	583
750 to 999 miles	4 449	S	S
1,000 to 1,499 miles	5 892	S	S
1,500 to 1,999 miles	11 530	839	1 736
2,000 miles or more	11 986	872	2 358

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	5 714	36 630	9 155
Less than 50 miles	3 324	20 851	364
50 to 99 miles	261	3 651	379
100 to 249 miles	492	4 083	799
250 to 499 miles	586	4 922	2 297
500 to 749 miles	161	1 014	905
750 to 999 miles	S	S	S
1,000 to 1,499 miles	174	286	445
1,500 to 1,999 miles	197	189	415
2,000 miles or more	262	1 010	2 873
SCTG 43, Mixed freight	53 990	27 044	3 207
Less than 50 miles	29 127	14 683	417
50 to 99 miles	10 319	5 621	512
100 to 249 miles	9 944	5 240	1 118
250 to 499 miles	2 959	984	410
500 to 749 miles	807	260	186
750 to 999 miles	106	42	46
1,000 to 1,499 miles	87	16	23
1,500 to 1,999 miles	297	76	156
2,000 miles or more	345	121	S
Commodity unknown	7 765	8 631	1 499
Less than 50 miles	3 216	5 179	S
50 to 99 miles	S	S	S
100 to 249 miles	603	394	70
250 to 499 miles	651	390	157
500 to 749 miles	333	178	142
750 to 999 miles	195	42	47
1,000 to 1,499 miles	601	S	S
1,500 to 1,999 miles	597	93	203
2,000 miles or more	776	102	291

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 367 369	2 101 462	717 301
Less than 50 lb	225 063	4 450	2 611
50 to 99 lb	68 959	2 942	1 235
100 to 499 lb	174 439	16 362	4 862
500 to 749 lb	53 898	7 721	2 114
750 to 999 lb	34 383	6 215	1 612
1,000 to 9,999 lb	283 348	105 775	30 105
10,000 to 49,999 lb	324 508	605 495	127 734
50,000 to 99,999 lb	80 405	484 946	43 178
100,000 lb or more	122 366	867 556	503 850
SCTG 01, Live animals and live fish	S	S	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	9	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	10 055	74 700	11 617
Less than 50 lb	S	S	S
50 to 99 lb	1	—	—
100 to 499 lb	15	20	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	212	380	29
10,000 to 49,999 lb	415	1 944	483
50,000 to 99,999 lb	1 209	10 546	1 659
100,000 lb or more	8 186	61 777	9 443
SCTG 03, Other agricultural products	27 514	31 750	22 561
Less than 50 lb	S	S	17
50 to 99 lb	309	101	S
100 to 499 lb	1 832	953	144
500 to 749 lb	711	498	55
750 to 999 lb	473	330	41
1,000 to 9,999 lb	6 163	7 192	4 304
10,000 to 49,999 lb	13 985	16 491	15 126
50,000 to 99,999 lb	1 033	1 932	882
100,000 lb or more	2 210	4 147	1 968
SCTG 04, Animal feed and products of animal origin, n.e.c.	9 001	31 114	5 687
Less than 50 lb	30	13	S
50 to 99 lb	47	S	S
100 to 499 lb	333	270	S
500 to 749 lb	208	145	S
750 to 999 lb	S	102	S
1,000 to 9,999 lb	1 018	1 925	176
10,000 to 49,999 lb	5 375	18 362	3 319
50,000 to 99,999 lb	1 152	7 096	706
100,000 lb or more	708	3 157	1 365
SCTG 05, Meat, fish, seafood, and their preparations	37 521	13 744	5 266
Less than 50 lb	871	91	7
50 to 99 lb	962	136	11
100 to 499 lb	4 101	881	83
500 to 749 lb	1 491	374	42
750 to 999 lb	1 138	313	33
1,000 to 9,999 lb	11 515	3 652	888
10,000 to 49,999 lb	15 416	6 987	3 243
50,000 to 99,999 lb	602	452	149
100,000 lb or more	1 423	858	812
SCTG 06, Milled grain products and preparations, and bakery products	19 321	16 602	6 747
Less than 50 lb	338	120	6
50 to 99 lb	315	124	6
100 to 499 lb	1 546	624	51
500 to 749 lb	620	325	29
750 to 999 lb	380	262	41
1,000 to 9,999 lb	4 948	2 958	789
10,000 to 49,999 lb	9 619	9 090	4 305
50,000 to 99,999 lb	748	1 406	222
100,000 lb or more	807	1 694	1 299
SCTG 07, Other prepared foodstuffs and fats and oils	60 399	74 454	28 332
Less than 50 lb	863	S	26
50 to 99 lb	644	169	17
100 to 499 lb	3 389	1 384	121
500 to 749 lb	1 303	735	65
750 to 999 lb	1 123	662	62
1,000 to 9,999 lb	12 693	11 192	1 593
10,000 to 49,999 lb	33 153	44 815	16 405
50,000 to 99,999 lb	3 806	9 612	1 860
100,000 lb or more	3 425	5 466	8 183

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	26 774	24 246	15 560
Less than 50 lb	368	49	S
50 to 99 lb	306	86	5
100 to 499 lb	2 549	1 236	54
500 to 749 lb	1 022	699	24
750 to 999 lb	853	627	24
1,000 to 9,999 lb	7 250	5 690	411
10,000 to 49,999 lb	9 950	8 787	6 292
50,000 to 99,999 lb	1 903	1 719	574
100,000 lb or more	2 572	5 353	8 151
SCTG 09, Tobacco products	2 666	191	29
Less than 50 lb	446	10	S
50 to 99 lb	203	6	S
100 to 499 lb	941	41	4
500 to 749 lb	222	16	2
750 to 999 lb	226	17	2
1,000 to 9,999 lb	525	60	9
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	456	1 814	150
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	3	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	729	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	23
SCTG 11, Natural sands	704	66 334	2 720
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	4	S
500 to 749 lb	2	3	S
750 to 999 lb	2	1	S
1,000 to 9,999 lb	43	434	17
10,000 to 49,999 lb	265	19 010	711
50,000 to 99,999 lb	193	20 780	1 015
100,000 lb or more	191	26 102	975
SCTG 12, Gravel and crushed stone	2 161	301 228	9 965
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	8	S
1,000 to 9,999 lb	33	1 785	33
10,000 to 49,999 lb	982	121 013	4 218
50,000 to 99,999 lb	789	126 053	3 395
100,000 lb or more	340	52 348	2 318
SCTG 13, Nonmetallic minerals n.e.c.	1 786	18 236	10 552
Less than 50 lb	6	1	—
50 to 99 lb	S	S	—
100 to 499 lb	21	11	1
500 to 749 lb	14	11	S
750 to 999 lb	S	1	S
1,000 to 9,999 lb	S	534	31
10,000 to 49,999 lb	821	6 276	2 930
50,000 to 99,999 lb	S	3 239	S
100,000 lb or more	453	8 161	6 626
SCTG 14, Metallic ores and concentrates	6 233	12 218	2 139
Less than 50 lb	14	S	—
50 to 99 lb	S	—	—
100 to 499 lb	130	2	S
500 to 749 lb	S	1	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	447	51	18
10,000 to 49,999 lb	1 585	1 027	469
50,000 to 99,999 lb	645	520	161
100,000 lb or more	3 058	10 615	1 489
SCTG 15, Coal	4 987	401 966	346 957
Less than 50 lb	—	—	—
50 to 99 lb	—	—	—
100 to 499 lb	—	—	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	37	2
10,000 to 49,999 lb	S	379	30
50,000 to 99,999 lb	223	13 325	1 119
100,000 lb or more	4 723	388 223	345 806

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	55 026	193 333	18 562
Less than 50 lb	S	S	S
50 to 99 lb	S	S	—
100 to 499 lb	S	45	1
500 to 749 lb	19	43	1
750 to 999 lb	26	57	2
1,000 to 9,999 lb	S	4 734	267
10,000 to 49,999 lb	6 059	17 251	2 474
50,000 to 99,999 lb	25 199	85 685	5 796
100,000 lb or more	19 574	85 508	10 021
SCTG 18, Fuel oils	19 098	81 760	10 518
Less than 50 lb	S	1	—
50 to 99 lb	2	2	—
100 to 499 lb	77	108	1
500 to 749 lb	69	155	3
750 to 999 lb	43	140	4
1,000 to 9,999 lb	2 431	5 185	203
10,000 to 49,999 lb	2 751	10 136	733
50,000 to 99,999 lb	6 220	23 774	1 939
100,000 lb or more	7 502	42 258	7 635
SCTG 19, Coal and petroleum products, n.e.c.	10 499	86 898	24 844
Less than 50 lb	117	31	2
50 to 99 lb	114	33	1
100 to 499 lb	436	389	16
500 to 749 lb	185	S	6
750 to 999 lb	174	264	9
1,000 to 9,999 lb	1 159	2 251	99
10,000 to 49,999 lb	2 698	22 239	2 072
50,000 to 99,999 lb	1 719	15 238	1 788
100,000 lb or more	3 896	46 203	S
SCTG 20, Basic chemicals	13 304	38 463	22 149
Less than 50 lb	1 506	47	36
50 to 99 lb	515	45	17
100 to 499 lb	1 369	392	59
500 to 749 lb	497	187	S
750 to 999 lb	272	136	33
1,000 to 9,999 lb	2 729	1 602	315
10,000 to 49,999 lb	3 604	11 538	2 574
50,000 to 99,999 lb	545	7 599	1 205
100,000 lb or more	2 266	16 917	17 870
SCTG 21, Pharmaceutical products	31 858	1 086	688
Less than 50 lb	15 176	116	64
50 to 99 lb	3 215	51	20
100 to 499 lb	5 559	163	52
500 to 749 lb	1 030	56	23
750 to 999 lb	475	33	13
1,000 to 9,999 lb	3 646	302	168
10,000 to 49,999 lb	2 693	357	329
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	4 108	27 911	9 855
Less than 50 lb	S	S	S
50 to 99 lb	4	3	—
100 to 499 lb	33	27	1
500 to 749 lb	17	17	1
750 to 999 lb	10	13	1
1,000 to 9,999 lb	503	1 462	53
10,000 to 49,999 lb	1 560	10 157	1 176
50,000 to 99,999 lb	868	6 234	1 540
100,000 lb or more	1 105	9 996	7 081
SCTG 23, Chemical products and preparations, n.e.c.	34 121	12 446	6 090
Less than 50 lb	3 630	171	51
50 to 99 lb	1 595	132	40
100 to 499 lb	5 237	569	152
500 to 749 lb	1 740	265	90
750 to 999 lb	924	180	59
1,000 to 9,999 lb	7 760	2 102	838
10,000 to 49,999 lb	11 541	7 142	3 514
50,000 to 99,999 lb	422	1 008	101
100,000 lb or more	S	878	1 247
SCTG 24, Plastics and rubber	31 793	9 405	4 513
Less than 50 lb	5 233	224	134
50 to 99 lb	1 819	164	59
100 to 499 lb	5 068	721	248
500 to 749 lb	1 524	288	99
750 to 999 lb	1 178	245	104
1,000 to 9,999 lb	9 976	3 448	1 308
10,000 to 49,999 lb	6 435	3 412	2 103
50,000 to 99,999 lb	276	425	115
100,000 lb or more	283	478	S

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	7 341	107 582	7 831
Less than 50 lb	S	—	S
50 to 99 lb	S	S	S
100 to 499 lb	8	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	501	775	42
10,000 to 49,999 lb	1 456	16 485	1 261
50,000 to 99,999 lb	3 898	76 733	3 890
100,000 lb or more	1 467	13 566	2 634
SCTG 26, Wood products	36 013	83 250	39 190
Less than 50 lb	336	26	10
50 to 99 lb	232	32	6
100 to 499 lb	1 070	268	62
500 to 749 lb	511	162	S
750 to 999 lb	311	128	17
1,000 to 9,999 lb	5 152	4 569	596
10,000 to 49,999 lb	15 271	29 410	11 895
50,000 to 99,999 lb	7 081	22 342	6 169
100,000 lb or more	6 049	26 313	20 399
SCTG 27, Pulp, newsprint, paper, and paperboard	14 163	18 616	10 635
Less than 50 lb	287	25	5
50 to 99 lb	199	42	5
100 to 499 lb	1 043	306	36
500 to 749 lb	349	157	12
750 to 999 lb	268	130	16
1,000 to 9,999 lb	2 945	1 681	290
10,000 to 49,999 lb	5 005	7 608	4 047
50,000 to 99,999 lb	1 113	2 134	621
100,000 lb or more	2 953	6 534	5 602
SCTG 28, Paper or paperboard articles	17 835	18 536	4 861
Less than 50 lb	779	62	30
50 to 99 lb	302	66	12
100 to 499 lb	1 486	472	61
500 to 749 lb	562	250	32
750 to 999 lb	366	193	49
1,000 to 9,999 lb	4 716	3 062	523
10,000 to 49,999 lb	8 785	12 849	3 605
50,000 to 99,999 lb	197	422	129
100,000 lb or more	643	1 160	419
SCTG 29, Printed products	33 211	12 936	3 768
Less than 50 lb	8 343	660	263
50 to 99 lb	2 044	322	107
100 to 499 lb	5 448	956	441
500 to 749 lb	1 630	375	211
750 to 999 lb	1 080	264	163
1,000 to 9,999 lb	8 211	4 246	1 482
10,000 to 49,999 lb	5 872	5 039	820
50,000 to 99,999 lb	399	509	29
100,000 lb or more	183	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	68 663	4 989	3 676
Less than 50 lb	14 625	332	460
50 to 99 lb	3 676	152	196
100 to 499 lb	8 895	563	428
500 to 749 lb	3 331	259	181
750 to 999 lb	3 083	267	130
1,000 to 9,999 lb	22 205	1 801	1 251
10,000 to 49,999 lb	12 025	1 260	795
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	20 855	181 652	18 648
Less than 50 lb	943	64	37
50 to 99 lb	399	54	23
100 to 499 lb	1 350	313	102
500 to 749 lb	432	136	28
750 to 999 lb	238	104	13
1,000 to 9,999 lb	3 324	6 407	701
10,000 to 49,999 lb	10 563	122 931	8 500
50,000 to 99,999 lb	2 382	30 987	3 308
100,000 lb or more	1 225	20 656	5 936
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	38 191	29 600	14 712
Less than 50 lb	1 577	68	S
50 to 99 lb	809	72	19
100 to 499 lb	2 849	501	99
500 to 749 lb	1 137	285	62
750 to 999 lb	669	237	41
1,000 to 9,999 lb	8 900	4 383	1 056
10,000 to 49,999 lb	13 897	14 399	6 258
50,000 to 99,999 lb	1 808	2 777	815
100,000 lb or more	6 546	6 878	6 318

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	36 646	14 161	7 826
Less than 50 lb	6 894	210	100
50 to 99 lb	2 015	138	41
100 to 499 lb	5 379	725	231
500 to 749 lb	1 480	282	119
750 to 999 lb	916	227	67
1,000 to 9,999 lb	10 258	4 042	1 762
10,000 to 49,999 lb	8 203	6 637	3 390
50,000 to 99,999 lb	713	629	639
100,000 lb or more	788	1 271	1 477
SCTG 34, Machinery	54 232	4 737	3 993
Less than 50 lb	10 474	213	110
50 to 99 lb	3 192	125	47
100 to 499 lb	9 166	639	350
500 to 749 lb	2 558	211	114
750 to 999 lb	1 750	119	77
1,000 to 9,999 lb	14 357	1 157	916
10,000 to 49,999 lb	10 981	1 340	1 171
50,000 to 99,999 lb	1 438	201	169
100,000 lb or more	317	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	284 101	7 030	6 876
Less than 50 lb	92 441	534	417
50 to 99 lb	26 915	327	218
100 to 499 lb	61 245	1 168	773
500 to 749 lb	16 969	334	282
750 to 999 lb	10 263	296	231
1,000 to 9,999 lb	57 411	2 702	3 484
10,000 to 49,999 lb	18 365	1 565	1 417
50,000 to 99,999 lb	S	29	26
100,000 lb or more	229	S	27
SCTG 36, Motorized and other vehicles (including parts)	49 615	6 310	3 756
Less than 50 lb	5 830	239	99
50 to 99 lb	1 952	130	54
100 to 499 lb	7 418	523	225
500 to 749 lb	3 301	214	76
750 to 999 lb	2 142	125	61
1,000 to 9,999 lb	11 151	1 305	674
10,000 to 49,999 lb	13 506	2 190	2 093
50,000 to 99,999 lb	917	784	314
100,000 lb or more	S	800	S
SCTG 37, Transportation equipment, n.e.c.	67 711	715	457
Less than 50 lb	7 849	19	15
50 to 99 lb	6 207	11	11
100 to 499 lb	5 614	47	52
500 to 749 lb	1 709	9	6
750 to 999 lb	300	11	S
1,000 to 9,999 lb	4 511	112	114
10,000 to 49,999 lb	3 735	174	120
50,000 to 99,999 lb	6 048	23	9
100,000 lb or more	31 736	309	114
SCTG 38, Precision instruments and apparatus	42 897	593	545
Less than 50 lb	16 725	68	82
50 to 99 lb	4 028	27	28
100 to 499 lb	9 775	109	105
500 to 749 lb	2 533	39	35
750 to 999 lb	1 345	25	21
1,000 to 9,999 lb	7 590	273	209
10,000 to 49,999 lb	901	52	66
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	16 890	3 050	2 349
Less than 50 lb	884	45	38
50 to 99 lb	805	61	48
100 to 499 lb	3 712	420	183
500 to 749 lb	1 355	191	80
750 to 999 lb	878	140	77
1,000 to 9,999 lb	6 595	1 245	833
10,000 to 49,999 lb	2 582	883	965
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	13	S
SCTG 40, Miscellaneous manufactured products	101 666	15 041	8 687
Less than 50 lb	25 708	411	485
50 to 99 lb	5 106	207	187
100 to 499 lb	13 277	804	558
500 to 749 lb	3 641	310	271
750 to 999 lb	2 039	179	116
1,000 to 9,999 lb	20 485	4 424	S
10,000 to 49,999 lb	S	6 611	2 931
50,000 to 99,999 lb	S	S	S
100,000 lb or more	304	744	67

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	5 714	36 630	9 155
Less than 50 lb	S	S	—
50 to 99 lb	S	—	—
100 to 499 lb	1	1	—
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	650	988	S
10,000 to 49,999 lb	3 571	17 118	3 117
50,000 to 99,999 lb	417	4 754	849
100,000 lb or more	1 068	13 763	5 082
SCTG 43, Mixed freight	53 990	27 044	3 207
Less than 50 lb	851	50	27
50 to 99 lb	383	52	17
100 to 499 lb	2 325	587	69
500 to 749 lb	964	355	43
750 to 999 lb	1 092	327	39
1,000 to 9,999 lb	15 273	5 128	649
10,000 to 49,999 lb	30 104	18 781	2 028
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	7 765	8 631	1 499
Less than 50 lb	1 102	17	10
50 to 99 lb	606	14	7
100 to 499 lb	1 333	82	19
500 to 749 lb	286	28	13
750 to 999 lb	180	27	9
1,000 to 9,999 lb	1 707	357	142
10,000 to 49,999 lb	1 521	2 620	607
50,000 to 99,999 lb	204	S	71
100,000 lb or more	S	S	621

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	1 367 369	2 101 462	717 301	605	524 269	1 235 920	25 933	99 970	165 073	16 541
Less than 50 lb	225 063	4 450	2 611	725	64 551	2 439	43	10 878	245	23
50 to 99 lb	68 959	2 942	1 235	418	22 652	1 815	32	3 335	185	17
100 to 499 lb	174 439	16 362	4 862	301	69 778	10 938	205	11 303	1 277	119
500 to 749 lb	53 898	7 721	2 114	270	22 461	5 217	104	2 762	619	58
750 to 999 lb	34 383	6 215	1 612	259	13 648	4 150	81	1 890	554	53
1,000 to 9,999 lb	283 348	105 775	30 105	289	115 184	69 243	1 402	20 411	8 565	796
10,000 to 49,999 lb	324 508	605 495	127 734	208	112 207	422 725	9 481	35 064	44 600	4 131
50,000 to 99,999 lb	80 405	484 946	43 178	87	45 687	358 878	8 531	9 037	56 426	5 622
100,000 lb or more	122 366	867 556	503 850	643	58 103	360 514	6 055	5 290	52 602	5 722
SCTG 01, Live animals and live fish	S	S	S	1 107	S	S	S	S	S	S
Less than 50 lb	S	S	S	55	S	S	S	—	—	—
50 to 99 lb	S	S	S	1 223	S	S	S	—	—	—
100 to 499 lb	S	S	S	1 240	S	S	S	S	S	S
500 to 749 lb	S	S	S	1 669	S	S	S	—	—	—
750 to 999 lb	S	S	S	8	S	S	S	—	—	—
1,000 to 9,999 lb	S	9	S	1 537	S	4	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	467	S	S	S	S	S	S
100,000 lb or more	S	S	S	556	—	—	—	—	—	—
SCTG 02, Cereal grains	10 055	74 700	11 617	148	6 492	48 128	427	398	3 115	332
Less than 50 lb	S	S	S	489	S	S	S	S	S	S
50 to 99 lb	1	S	—	S	S	S	S	—	—	—
100 to 499 lb	15	20	S	S	13	17	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	34	S	S	S	S	S	S
1,000 to 9,999 lb	212	380	29	112	175	329	6	S	S	S
10,000 to 49,999 lb	415	1 944	483	178	185	1 160	39	44	208	24
50,000 to 99,999 lb	1 209	10 546	1 659	161	487	4 111	175	233	2 005	196
100,000 lb or more	8 186	61 777	9 443	628	5 617	42 478	206	S	887	S
SCTG 03, Other agricultural products	27 514	31 750	22 561	284	9 861	13 145	224	1 945	2 106	195
Less than 50 lb	S	S	17	S	S	S	S	19	2	—
50 to 99 lb	309	101	S	235	187	80	1	11	4	—
100 to 499 lb	1 832	953	144	159	1 027	736	10	175	83	8
500 to 749 lb	711	498	55	S	374	362	5	79	58	6
750 to 999 lb	473	330	41	123	283	267	4	39	23	2
1,000 to 9,999 lb	6 163	7 192	4 304	554	2 906	3 765	55	637	562	50
10,000 to 49,999 lb	13 985	16 491	15 126	863	3 398	4 612	110	800	899	82
50,000 to 99,999 lb	1 033	1 932	882	439	380	806	17	89	337	33
100,000 lb or more	2 210	4 147	1 968	1 076	766	2 422	19	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	9 001	31 114	5 687	174	4 517	18 448	591	957	2 954	262
Less than 50 lb	30	13	S	371	17	9	S	1	—	—
50 to 99 lb	47	S	S	S	27	S	S	S	—	—
100 to 499 lb	333	270	S	158	192	210	4	25	14	1
500 to 749 lb	208	145	S	155	117	99	2	14	11	1
750 to 999 lb	S	102	S	374	54	70	1	S	S	S
1,000 to 9,999 lb	1 018	1 925	176	83	578	1 336	38	149	216	20
10,000 to 49,999 lb	5 375	18 362	3 319	158	2 598	10 918	367	546	1 861	164
50,000 to 99,999 lb	1 152	7 096	706	98	699	4 589	152	183	779	70
100,000 lb or more	708	3 157	1 365	526	234	1 177	25	32	66	6
SCTG 05, Meat, fish, seafood, and their preparations	37 521	13 744	5 266	102	18 918	7 326	164	3 112	1 141	113
Less than 50 lb	871	91	7	S	755	80	1	35	4	—
50 to 99 lb	962	136	11	78	790	116	2	69	9	1
100 to 499 lb	4 101	881	83	94	3 075	686	12	411	94	9
500 to 749 lb	1 491	374	42	113	1 089	281	5	125	40	4
750 to 999 lb	1 138	313	33	105	845	234	5	74	25	2
1,000 to 9,999 lb	11 515	3 652	888	208	6 179	2 131	41	1 110	385	38
10,000 to 49,999 lb	15 416	6 987	3 243	450	5 451	3 294	80	1 023	419	42
50,000 to 99,999 lb	602	452	149	278	253	S	S	S	S	S
100,000 lb or more	1 423	858	812	800	S	233	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	19 321	16 602	6 747	98	8 107	7 296	186	1 904	1 525	138
Less than 50 lb	338	120	6	S	296	S	1	7	2	—
50 to 99 lb	315	124	6	S	268	108	1	21	S	S
100 to 499 lb	1 546	624	51	75	1 202	501	9	111	44	4
500 to 749 lb	620	325	29	90	443	248	5	79	38	4
750 to 999 lb	380	262	41	158	189	141	3	65	S	S
1,000 to 9,999 lb	4 948	2 958	789	225	2 166	1 484	31	537	266	25
10,000 to 49,999 lb	9 619	9 090	4 305	434	2 803	3 290	S	871	846	76
50,000 to 99,999 lb	748	1 406	222	157	390	880	22	S	S	S
100,000 lb or more	807	1 694	1 299	1 073	351	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	60 399	74 454	28 332	86	26 776	41 024	919	5 292	6 651	617
Less than 50 lb	863	S	26	S	612	S	S	36	6	1
50 to 99 lb	644	169	17	107	469	141	3	37	10	1
100 to 499 lb	3 389	1 384	121	85	2 369	1 108	22	298	112	11
500 to 749 lb	1 303	735	65	89	873	583	12	153	59	5
750 to 999 lb	1 123	662	62	92	752	500	10	113	50	5
1,000 to 9,999 lb	12 693	11 192	1 593	134	7 221	7 764	163	1 329	1 126	104
10,000 to 49,999 lb	33 153	44 815	16 405	311	11 960	23 787	574	2 909	4 389	395
50,000 to 99,999 lb	3 806	9 612	1 860	162	1 943	5 466	99	373	849	91
100,000 lb or more	3 425	5 466	8 183	1 853	577	1 282	31	S	S	S
SCTG 08, Alcoholic beverages	26 774	24 246	15 560	140	13 905	10 472	217	2 421	1 966	173
Less than 50 lb	368	49	S	541	173	25	1	32	5	1
50 to 99 lb	306	86	5	60	201	67	1	36	8	1
100 to 499 lb	2 549	1 236	54	45	1 961	1 054	21	301	97	9
500 to 749 lb	1 022	699	24	34	868	637	12	95	40	4
750 to 999 lb	853	627	24	38	708	572	10	91	40	4
1,000 to 9,999 lb	7 250	5 690	411	58	5 832	5 038	89	584	318	31
10,000 to 49,999 lb	9 950	8 787	6 292	624	2 920	2 529	68	961	900	76
50,000 to 99,999 lb	1 903	1 719	574	328	S	S	S	295	519	44
100,000 lb or more	2 572	5 353	8 151	1 487	S	S	1	S	S	S
SCTG 09, Tobacco products	2 666	191	29	587	1 237	80	2	498	S	S
Less than 50 lb	446	10	S	801	107	3	—	35	1	—
50 to 99 lb	203	6	S	318	108	3	—	38	1	—
100 to 499 lb	941	41	4	107	462	22	1	196	9	1
500 to 749 lb	222	16	2	113	61	6	—	61	5	—
750 to 999 lb	226	17	2	90	S	11	—	32	3	—
1,000 to 9,999 lb	525	60	9	147	304	34	1	62	8	1
10,000 to 49,999 lb	S	S	S	120	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	456	1 814	150	S	S	1 397	S	S	110	10
Less than 50 lb	S	S	S	1 033	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	495	S	2	—	S	S	S
500 to 749 lb	S	S	S	22	S	S	—	S	S	S
750 to 999 lb	S	S	S	26	S	S	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	729	S	94	S	509	12	S	82	7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	23	S	S	S	—	—	—	—
SCTG 11, Natural sands	704	66 334	2 720	47	549	60 316	1 340	30	3 323	291
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	18	S	S	S	—	—	—
100 to 499 lb	S	4	S	235	S	3	—	S	S	S
500 to 749 lb	2	3	S	103	1	2	—	S	S	S
750 to 999 lb	2	1	S	318	S	S	—	S	S	S
1,000 to 9,999 lb	43	434	17	43	21	370	5	1	S	S
10,000 to 49,999 lb	265	19 010	711	39	200	17 692	348	7	476	39
50,000 to 99,999 lb	193	20 780	1 015	49	151	18 213	447	16	1 410	125
100,000 lb or more	191	26 102	975	S	173	24 035	S	S	S	S
SCTG 12, Gravel and crushed stone	2 161	301 228	9 965	30	1 990	284 647	6 466	83	8 726	855
Less than 50 lb	S	S	S	36	S	S	S	—	—	—
50 to 99 lb	S	S	S	14	S	S	S	—	—	—
100 to 499 lb	S	S	S	29	S	S	S	—	—	—
500 to 749 lb	S	S	S	23	S	S	S	S	S	S
750 to 999 lb	S	8	S	15	S	8	S	—	—	—
1,000 to 9,999 lb	33	1 785	33	19	31	1 736	26	S	43	4
10,000 to 49,999 lb	982	121 013	4 218	34	908	114 174	2 432	28	3 238	305
50,000 to 99,999 lb	789	126 053	3 395	27	719	121 025	2 625	45	3 470	340
100,000 lb or more	340	52 348	2 318	34	315	47 682	1 382	9	1 974	207
SCTG 13, Nonmetallic minerals n.e.c.	1 786	18 236	10 552	306	S	7 575	163	45	1 112	98
Less than 50 lb	6	1	—	S	S	—	S	S	S	S
50 to 99 lb	S	S	—	S	S	S	S	S	S	S
100 to 499 lb	21	11	1	75	13	10	—	S	S	S
500 to 749 lb	14	11	S	195	S	4	S	S	S	S
750 to 999 lb	S	1	S	190	—	1	S	S	S	S
1,000 to 9,999 lb	S	534	31	S	S	S	4	6	S	S
10,000 to 49,999 lb	821	6 276	2 930	450	S	S	S	21	292	27
50,000 to 99,999 lb	S	3 239	S	307	S	1 404	30	10	476	41
100,000 lb or more	453	8 161	6 626	1 201	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	6 233	12 218	2 139	292	1 184	7 984	33	844	1 314	134
Less than 50 lb	14	S	—	S	S	S	S	S	S	S
50 to 99 lb	S	—	—	S	S	—	S	S	S	S
100 to 499 lb	130	2	S	654	S	1	—	S	S	S
500 to 749 lb	S	1	S	721	S	—	S	S	S	S
750 to 999 lb	S	S	S	253	S	S	S	—	—	—
1,000 to 9,999 lb	447	51	18	S	S	S	—	S	S	S
10,000 to 49,999 lb	1 585	1 027	469	441	147	S	S	144	236	24
50,000 to 99,999 lb	645	520	161	302	64	78	3	S	S	S
100,000 lb or more	3 058	10 615	1 489	255	852	S	17	S	S	S
SCTG 15, Coal	4 987	401 966	346 957	S	1 318	71 544	1 072	562	23 776	2 636
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	S	10	—	—	S	—	—	—
500 to 749 lb	S	S	S	12	S	S	S	—	—	—
750 to 999 lb	S	S	S	30	S	S	S	—	—	—
1,000 to 9,999 lb	S	37	2	42	S	32	1	S	S	S
10,000 to 49,999 lb	S	379	30	93	11	291	6	S	10	2
50,000 to 99,999 lb	223	13 325	1 119	84	145	7 114	276	S	S	S
100,000 lb or more	4 723	388 223	345 806	491	1 159	64 106	789	513	19 884	2 261
SCTG 17, Gasoline and aviation turbine fuel	55 026	193 333	18 562	71	43 111	149 161	2 364	4 279	15 134	1 243
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	—	S	S	S	—	—	—	—
100 to 499 lb	S	45	1	14	S	44	1	S	S	S
500 to 749 lb	19	43	1	31	18	41	1	S	S	S
750 to 999 lb	26	57	2	28	25	55	1	S	S	S
1,000 to 9,999 lb	S	4 734	267	49	S	4 146	90	S	226	22
10,000 to 49,999 lb	6 059	17 251	2 474	141	4 165	11 455	218	614	1 691	172
50,000 to 99,999 lb	25 199	85 685	5 796	70	20 903	70 805	1 463	2 131	7 007	657
100,000 lb or more	19 574	85 508	10 021	163	14 231	62 606	589	S	S	S
SCTG 18, Fuel oils	19 098	81 760	10 518	43	14 017	57 268	921	1 640	7 192	664
Less than 50 lb	S	1	—	31	S	1	—	S	S	S
50 to 99 lb	2	2	—	30	2	2	—	S	S	S
100 to 499 lb	77	108	1	S	66	107	1	S	S	S
500 to 749 lb	69	155	3	21	56	146	2	S	S	S
750 to 999 lb	43	140	4	25	39	124	2	S	S	S
1,000 to 9,999 lb	2 431	5 185	203	32	2 192	4 694	106	127	286	27
10,000 to 49,999 lb	2 751	10 136	733	68	2 208	7 953	159	231	848	86
50,000 to 99,999 lb	6 220	23 774	1 939	83	4 468	16 376	303	823	3 690	344
100,000 lb or more	7 502	42 258	7 635	271	4 982	27 865	348	435	2 357	207
SCTG 19, Coal and petroleum products, n.e.c.	10 499	86 898	24 844	52	5 928	51 338	1 252	840	9 210	S
Less than 50 lb	117	31	2	S	86	27	—	S	S	S
50 to 99 lb	114	33	1	40	108	30	—	S	1	—
100 to 499 lb	436	389	16	40	357	337	6	33	20	2
500 to 749 lb	185	S	6	24	163	S	S	4	3	—
750 to 999 lb	174	264	9	34	138	226	3	19	25	3
1,000 to 9,999 lb	1 159	2 251	99	34	927	2 027	34	87	95	10
10,000 to 49,999 lb	2 698	22 239	2 072	88	1 368	17 834	393	231	968	96
50,000 to 99,999 lb	1 719	15 238	1 788	114	930	9 521	211	164	1 210	126
100,000 lb or more	3 896	46 203	S	615	1 852	21 094	S	S	S	S
SCTG 20, Basic chemicals ..	13 304	38 463	22 149	650	4 643	15 581	539	881	4 418	476
Less than 50 lb	1 506	47	36	993	440	21	—	60	2	—
50 to 99 lb	515	45	17	364	156	29	—	23	2	—
100 to 499 lb	1 369	392	59	144	647	315	6	50	25	2
500 to 749 lb	497	187	S	199	243	148	3	27	10	1
750 to 999 lb	272	136	33	252	105	91	2	S	19	S
1,000 to 9,999 lb	2 729	1 602	315	182	1 280	1 123	24	275	159	14
10,000 to 49,999 lb	3 604	11 538	2 574	223	1 329	6 870	211	304	1 621	160
50,000 to 99,999 lb	545	7 599	1 205	152	185	3 717	163	93	1 905	233
100,000 lb or more	2 266	16 917	17 870	1 103	259	3 268	130	28	S	S
SCTG 21, Pharmaceutical products	31 858	1 086	688	917	12 800	509	10	3 024	80	7
Less than 50 lb	15 176	116	64	955	5 288	39	1	1 420	17	2
50 to 99 lb	3 215	51	20	392	1 046	20	1	398	8	1
100 to 499 lb	5 559	163	52	304	2 260	83	3	858	23	2
500 to 749 lb	1 030	56	23	429	405	31	1	S	3	—
750 to 999 lb	475	33	13	409	241	14	—	58	8	1
1,000 to 9,999 lb	3 646	302	168	546	1 864	143	3	S	18	2
10,000 to 49,999 lb	2 693	357	329	626	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	2 757	S	S	S	—	—	—
100,000 lb or more	S	S	S	20	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	4 108	27 911	9 855	104	2 398	15 331	458	292	2 731	240
Less than 50 lb	S	S	S	S	5	S	—	S	S	S
50 to 99 lb	4	3	—	35	3	2	—	S	—	—
100 to 499 lb	33	27	1	43	23	25	S	2	1	—
500 to 749 lb	17	17	1	52	13	15	—	S	1	—
750 to 999 lb	10	13	1	54	8	11	—	S	S	S
1,000 to 9,999 lb	503	1 462	53	42	443	1 366	27	18	39	4
10,000 to 49,999 lb	1 560	10 157	1 176	89	1 135	6 943	S	116	1 362	115
50,000 to 99,999 lb	868	6 234	1 540	251	391	2 682	88	111	1 092	99
100,000 lb or more	1 105	9 996	7 081	786	377	4 286	122	S	235	22
SCTG 23, Chemical products and preparations, n.e.c.	34 121	12 446	6 090	339	14 210	5 246	111	2 316	928	85
Less than 50 lb	3 630	171	51	353	1 611	94	2	273	16	1
50 to 99 lb	1 595	132	40	299	804	75	1	130	10	1
100 to 499 lb	5 237	569	152	274	2 534	308	7	716	89	8
500 to 749 lb	1 740	265	90	340	851	164	4	174	20	2
750 to 999 lb	924	180	59	330	539	106	2	39	18	2
1,000 to 9,999 lb	7 760	2 102	838	421	3 201	993	23	529	164	15
10,000 to 49,999 lb	11 541	7 142	3 514	454	3 338	2 686	57	393	396	35
50,000 to 99,999 lb	422	1 008	101	94	S	644	11	61	214	20
100,000 lb or more	S	878	1 247	1 407	S	177	S	S	S	S
SCTG 24, Plastics and rubber	31 793	9 405	4 513	539	13 745	4 251	94	2 197	767	74
Less than 50 lb	5 233	224	134	614	2 608	122	2	287	14	1
50 to 99 lb	1 819	164	59	354	975	102	2	108	13	1
100 to 499 lb	5 068	721	248	343	2 578	452	8	355	54	5
500 to 749 lb	1 524	288	99	339	790	179	4	64	16	2
750 to 999 lb	1 178	245	104	420	484	122	3	61	14	1
1,000 to 9,999 lb	9 976	3 448	1 308	375	4 175	1 668	38	835	333	31
10,000 to 49,999 lb	6 435	3 412	2 103	557	1 873	1 101	30	457	261	23
50,000 to 99,999 lb	276	425	115	S	S	S	4	21	S	S
100,000 lb or more	283	478	S	377	S	S	2	S	S	S
SCTG 25, Logs and other wood in the rough	7 341	107 582	7 831	65	5 013	84 700	2 659	1 217	15 104	1 589
Less than 50 lb	S	—	S	580	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	8	S	S	259	S	S	S	S	S	S
500 to 749 lb	S	S	S	171	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	501	775	42	59	369	639	18	83	79	8
10,000 to 49,999 lb	1 456	16 485	1 261	77	1 023	13 916	664	116	1 363	152
50,000 to 99,999 lb	3 898	76 733	3 890	52	2 762	60 798	1 593	782	11 328	1 194
100,000 lb or more	1 467	13 566	2 634	S	849	9 332	383	231	2 331	234
SCTG 26, Wood products	36 013	83 250	39 190	271	12 423	33 085	823	4 078	12 479	1 234
Less than 50 lb	336	26	10	387	144	13	—	43	3	—
50 to 99 lb	232	32	6	205	137	20	—	37	4	—
100 to 499 lb	1 070	268	62	208	534	162	3	128	34	3
500 to 749 lb	511	162	S	217	314	105	2	54	17	2
750 to 999 lb	311	128	17	134	186	89	2	48	20	2
1,000 to 9,999 lb	5 152	4 569	596	124	3 242	3 160	61	627	487	47
10,000 to 49,999 lb	15 271	29 410	11 895	340	4 970	12 297	319	1 968	4 288	403
50,000 to 99,999 lb	7 081	22 342	6 169	267	1 958	8 170	255	834	3 745	362
100,000 lb or more	6 049	26 313	20 399	1 295	939	S	S	338	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	14 163	18 616	10 635	202	6 195	5 660	141	1 189	1 605	152
Less than 50 lb	287	25	5	289	202	19	—	19	1	—
50 to 99 lb	199	42	5	122	149	31	1	12	2	—
100 to 499 lb	1 043	306	36	119	798	237	6	55	19	2
500 to 749 lb	349	157	12	77	278	130	3	26	12	1
750 to 999 lb	268	130	16	122	200	100	2	19	11	1
1,000 to 9,999 lb	2 945	1 681	290	160	2 065	1 158	24	245	148	14
10,000 to 49,999 lb	5 005	7 608	4 047	456	1 684	2 628	70	486	710	66
50,000 to 99,999 lb	1 113	2 134	621	271	376	474	13	124	332	35
100,000 lb or more	2 953	6 534	5 602	932	442	884	23	202	369	33
SCTG 28, Paper or paperboard articles	17 835	18 536	4 861	388	8 804	11 643	297	1 543	1 660	158
Less than 50 lb	779	62	30	631	382	38	1	22	3	—
50 to 99 lb	302	66	12	191	201	48	1	24	5	—
100 to 499 lb	1 486	472	61	132	1 003	342	7	135	43	4
500 to 749 lb	562	250	32	127	359	185	4	64	21	2
750 to 999 lb	366	193	49	263	209	118	2	41	21	2
1,000 to 9,999 lb	4 716	3 062	523	149	2 812	2 022	40	358	253	24
10,000 to 49,999 lb	8 785	12 849	3 605	284	3 363	S	S	827	1 102	100
50,000 to 99,999 lb	197	422	129	281	68	173	S	20	S	S
100,000 lb or more	643	1 160	419	454	407	716	21	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	33 211	12 936	3 768	450	17 035	9 532	171	1 818	527	48
Less than 50 lb	8 343	660	263	455	2 973	411	8	574	46	4
50 to 99 lb	2 044	322	107	329	973	234	4	97	11	1
100 to 499 lb	5 448	956	441	443	2 515	622	12	230	36	3
500 to 749 lb	1 630	375	211	558	764	195	5	80	25	2
750 to 999 lb	1 080	264	163	619	472	146	3	41	10	1
1,000 to 9,999 lb	8 211	4 246	1 482	385	5 050	3 045	60	454	213	19
10,000 to 49,999 lb	5 872	5 039	820	135	3 887	3 990	65	250	165	15
50,000 to 99,999 lb	399	509	29	S	278	461	7	S	S	S
100,000 lb or more	183	S	S	S	122	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	68 663	4 989	3 676	1 358	17 700	1 978	42	2 198	325	30
Less than 50 lb	14 625	332	460	1 433	1 835	60	1	372	10	1
50 to 99 lb	3 676	152	196	1 280	809	38	1	97	5	—
100 to 499 lb	8 895	563	428	784	2 860	253	5	323	33	3
500 to 749 lb	3 331	259	181	687	928	117	2	170	23	2
750 to 999 lb	3 083	267	130	484	979	155	4	S	20	2
1,000 to 9,999 lb	22 205	1 801	1 251	682	6 859	813	17	705	115	10
10,000 to 49,999 lb	12 025	1 260	795	628	3 299	487	10	243	71	6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	1 385	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	20 855	181 652	18 648	320	11 593	139 103	2 560	2 415	16 299	1 618
Less than 50 lb	943	64	37	672	377	33	1	68	6	—
50 to 99 lb	399	54	23	419	137	28	1	41	5	—
100 to 499 lb	1 350	313	102	341	706	181	3	122	33	3
500 to 749 lb	432	136	28	205	214	96	2	40	11	1
750 to 999 lb	238	104	13	123	164	77	1	14	8	1
1,000 to 9,999 lb	3 324	6 407	701	127	1 939	5 322	95	350	414	37
10,000 to 49,999 lb	10 563	122 931	8 500	65	6 423	105 920	1 774	1 088	6 441	585
50,000 to 99,999 lb	2 382	30 987	3 308	108	1 064	14 898	434	644	8 549	862
100,000 lb or more	1 225	20 656	5 936	365	570	12 548	250	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	38 191	29 600	14 712	390	14 979	13 132	291	2 816	2 692	253
Less than 50 lb	1 577	68	S	588	615	38	1	104	5	—
50 to 99 lb	809	72	19	280	426	51	1	44	5	—
100 to 499 lb	2 849	501	99	215	1 581	383	7	234	33	3
500 to 749 lb	1 137	285	62	219	700	211	4	67	19	2
750 to 999 lb	669	237	41	174	407	179	4	34	18	2
1,000 to 9,999 lb	8 900	4 383	1 056	228	4 602	2 787	61	675	441	40
10,000 to 49,999 lb	13 897	14 399	6 258	405	4 547	5 896	143	1 205	1 632	151
50,000 to 99,999 lb	1 808	2 777	815	290	518	1 018	20	S	S	S
100,000 lb or more	6 546	6 878	6 318	1 184	1 582	S	S	S	S	S
SCTG 33, Articles of base metal	36 646	14 161	7 826	441	15 321	5 912	127	2 622	1 291	117
Less than 50 lb	6 894	210	100	483	3 432	119	2	378	14	1
50 to 99 lb	2 015	138	41	301	1 003	90	1	130	9	1
100 to 499 lb	5 379	725	231	295	2 484	459	8	380	51	5
500 to 749 lb	1 480	282	119	421	590	154	3	100	25	2
750 to 999 lb	916	227	67	292	403	137	3	60	20	2
1,000 to 9,999 lb	10 258	4 042	1 762	404	4 528	2 156	43	672	317	29
10,000 to 49,999 lb	8 203	6 637	3 390	468	2 581	2 351	55	864	801	71
50,000 to 99,999 lb	713	629	639	952	144	196	5	10	S	2
100,000 lb or more	788	1 271	1 477	1 029	157	251	6	S	S	S
SCTG 34, Machinery	54 232	4 737	3 993	449	19 530	1 717	41	3 138	234	24
Less than 50 lb	10 474	213	110	439	4 873	120	2	779	15	1
50 to 99 lb	3 192	125	47	362	1 574	73	1	264	11	1
100 to 499 lb	9 166	639	350	493	3 916	342	6	613	39	4
500 to 749 lb	2 558	211	114	527	1 004	97	2	144	15	1
750 to 999 lb	1 750	119	77	637	542	54	1	81	8	1
1,000 to 9,999 lb	14 357	1 157	916	815	3 757	343	7	781	77	7
10,000 to 49,999 lb	10 981	1 340	1 171	873	2 804	401	10	468	66	S
50,000 to 99,999 lb	1 438	201	169	873	61	61	1	S	S	S
100,000 lb or more	317	S	S	1 472	118	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	284 101	7 030	6 876	861	73 223	2 280	41	12 626	379	33
Less than 50 lb	92 441	534	417	895	23 261	242	4	3 622	21	2
50 to 99 lb	26 915	327	218	653	7 654	163	2	891	12	1
100 to 499 lb	61 245	1 168	773	605	18 886	590	9	3 198	56	5
500 to 749 lb	16 969	334	282	836	5 928	140	2	294	20	2
750 to 999 lb	10 263	296	231	775	3 007	127	2	S	12	1
1,000 to 9,999 lb	57 411	2 702	3 484	1 182	10 770	550	11	S	137	13
10,000 to 49,999 lb	18 365	1 565	1 417	912	3 543	399	9	861	118	9
50,000 to 99,999 lb	S	29	26	823	S	S	S	S	S	S
100,000 lb or more	229	S	27	S	133	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	49 615	6 310	3 756	413	16 769	1 995	40	3 204	349	34
Less than 50 lb	5 830	239	99	405	2 629	135	2	470	20	2
50 to 99 lb	1 952	130	54	428	710	64	1	246	16	2
100 to 499 lb	7 418	523	225	459	2 350	207	6	801	54	5
500 to 749 lb	3 301	214	76	354	931	65	2	277	24	2
750 to 999 lb	2 142	125	61	495	386	34	1	212	23	2
1,000 to 9,999 lb	11 151	1 305	674	524	4 210	501	11	798	117	12
10,000 to 49,999 lb	13 506	2 190	2 093	831	2 152	585	15	351	65	6
50,000 to 99,999 lb	917	784	314	399	181	46	1	S	S	S
100,000 lb or more	S	800	S	229	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	67 711	715	457	829	23 604	377	6	440	7	1
Less than 50 lb	7 849	19	15	770	2 254	9	—	236	—	—
50 to 99 lb	6 207	11	11	978	696	3	—	S	—	—
100 to 499 lb	5 614	47	52	1 203	1 841	15	—	41	1	—
500 to 749 lb	1 709	9	6	736	S	3	—	S	S	S
750 to 999 lb	300	11	S	1 578	S	S	S	S	S	S
1,000 to 9,999 lb	4 511	112	114	967	552	20	1	37	4	S
10,000 to 49,999 lb	3 735	174	120	882	227	56	S	S	S	S
50,000 to 99,999 lb	6 048	23	9	S	S	S	—	—	—	—
100,000 lb or more	31 736	309	114	692	S	256	S	—	—	—
SCTG 38, Precision instruments and apparatus	42 897	593	545	1 312	11 272	159	4	1 183	23	2
Less than 50 lb	16 725	68	82	1 338	3 389	17	—	549	3	—
50 to 99 lb	4 028	27	28	1 025	1 047	7	—	S	1	—
100 to 499 lb	9 775	109	105	1 009	3 115	37	1	321	6	1
500 to 749 lb	2 533	39	35	857	956	14	—	91	S	S
750 to 999 lb	1 345	25	21	843	486	7	—	S	S	S
1,000 to 9,999 lb	7 590	273	209	772	2 190	74	2	S	S	S
10,000 to 49,999 lb	901	52	66	1 237	90	3	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	16 890	3 050	2 349	666	7 377	1 256	25	909	187	17
Less than 50 lb	884	45	38	805	317	19	—	52	3	—
50 to 99 lb	805	61	48	799	273	27	—	53	4	—
100 to 499 lb	3 712	420	183	442	2 077	241	5	245	31	3
500 to 749 lb	1 355	191	80	409	735	108	2	64	13	1
750 to 999 lb	878	140	77	546	440	66	1	33	7	1
1,000 to 9,999 lb	6 595	1 245	833	639	2 882	539	10	357	79	7
10,000 to 49,999 lb	2 582	883	965	1 018	650	253	5	104	49	4
50,000 to 99,999 lb	S	S	S	1 782	S	S	S	S	S	S
100,000 lb or more	S	13	S	1 981	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products ...	101 666	15 041	8 687	1 307	20 743	4 314	122	S	2 108	178
Less than 50 lb	25 708	411	485	1 393	4 496	107	2	1 291	19	2
50 to 99 lb	5 106	207	187	891	1 039	67	1	272	12	1
100 to 499 lb	13 277	804	558	727	3 634	368	8	618	65	6
500 to 749 lb	3 641	310	271	849	725	115	3	136	24	2
750 to 999 lb	2 039	179	116	646	536	80	2	91	14	1
1,000 to 9,999 lb	20 485	4 424	S	830	5 617	1 242	38	1 426	421	35
10,000 to 49,999 lb	S	6 611	2 931	419	3 949	1 375	39	S	S	S
50,000 to 99,999 lb	S	S	S	271	S	S	S	S	S	S
100,000 lb or more	304	744	67	132	268	S	S	S	S	S
SCTG 41, Waste and scrap .	5 714	36 630	9 155	160	3 324	20 851	364	261	3 651	379
Less than 50 lb	S	S	—	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	12	S	—	—	—	—	—
100 to 499 lb	1	1	—	298	1	1	S	—	—	—
500 to 749 lb	S	S	S	57	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	650	988	S	S	520	S	10	S	S	S
10,000 to 49,999 lb	3 571	17 118	3 117	160	2 085	11 233	213	140	960	96
50,000 to 99,999 lb	417	4 754	849	180	165	1 216	20	S	S	S
100,000 lb or more	1 068	13 763	5 082	433	547	7 510	120	S	S	S
SCTG 43, Mixed freight.....	53 990	27 044	3 207	366	29 127	14 683	417	10 319	5 621	512
Less than 50 lb	851	50	27	687	431	28	1	66	5	—
50 to 99 lb	383	52	17	352	252	32	1	36	6	1
100 to 499 lb	2 325	587	69	112	1 615	411	7	240	67	6
500 to 749 lb	964	355	43	123	564	229	5	156	50	5
750 to 999 lb	1 092	327	39	118	493	188	5	146	63	6
1,000 to 9,999 lb	15 273	5 128	649	129	8 926	3 049	81	2 425	795	74
10,000 to 49,999 lb	30 104	18 781	2 028	108	16 313	10 376	309	6 766	4 300	390
50,000 to 99,999 lb	S	S	S	197	S	S	S	S	S	S
100,000 lb or more	S	S	S	111	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	7 765	8 631	1 499	506	3 216	5 179	S	S	S	S
Less than 50 lb	1 102	17	10	582	382	9	—	18	1	—
50 to 99 lb	606	14	7	469	406	8	—	6	1	—
100 to 499 lb	1 333	82	19	224	S	49	1	68	S	S
500 to 749 lb	286	28	13	456	S	14	—	S	S	S
750 to 999 lb	180	27	9	317	56	16	—	S	S	S
1,000 to 9,999 lb	1 707	357	142	380	S	201	4	S	28	3
10,000 to 49,999 lb	1 521	2 620	607	304	395	1 911	35	66	59	6
50,000 to 99,999 lb	204	S	71	S	61	S	S	S	S	S
100,000 lb or more	S	S	621	614	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	122 501	164 182	34 322	122 934	110 030	50 876	66 269	129 411	117 801	66 415	135 871	164 474
Less than 50 lb	11 996	277	56	20 893	245	109	11 833	151	120	13 722	155	171
50 to 99 lb	3 960	217	42	6 368	145	63	3 246	70	55	4 352	89	98
100 to 499 lb	11 545	1 292	250	15 630	707	301	10 053	290	228	8 554	328	359
500 to 749 lb	3 556	606	118	5 396	370	154	1 782	136	103	2 599	125	136
750 to 999 lb	2 485	534	108	2 901	292	121	1 617	106	79	1 413	94	102
1,000 to 9,999 lb	26 538	9 120	1 776	25 256	5 478	2 288	12 005	2 322	1 739	11 606	2 079	2 254
10,000 to 49,999 lb	41 637	49 285	9 723	34 771	30 993	13 308	17 944	14 740	11 243	15 379	12 304	13 538
50,000 to 99,999 lb	12 371	46 324	9 302	4 800	12 862	5 502	1 749	3 733	2 868	1 562	1 688	1 918
100,000 lb or more	8 413	56 527	12 947	6 919	58 938	29 031	6 040	107 862	101 366	7 228	119 010	145 898
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	1 384	10 796	2 521	1 057	8 506	3 624	415	2 758	2 577	110	713	842
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	5	22	4	S	2	1	S	S	S	S	S	S
10,000 to 49,999 lb	39	278	53	48	144	S	12	39	28	S	S	S
50,000 to 99,999 lb	355	3 236	722	125	S	S	4	27	19	4	29	30
100,000 lb or more	984	7 259	1 742	878	7 224	3 041	398	2 687	2 526	97	677	804
SCTG 03, Other agricultural products	3 958	3 586	679	2 021	2 464	1 079	900	1 227	947	1 119	1 459	1 601
Less than 50 lb	S	S	S	21	1	—	17	1	1	7	S	S
50 to 99 lb	21	6	1	S	S	S	S	S	S	S	S	S
100 to 499 lb	123	S	S	80	10	4	S	S	S	37	5	5
500 to 749 lb	81	49	10	S	10	4	7	S	S	S	S	S
750 to 999 lb	26	23	5	12	3	1	S	S	S	6	S	S
1,000 to 9,999 lb	623	579	114	377	365	145	156	203	152	205	188	201
10,000 to 49,999 lb	1 886	1 903	362	1 310	1 822	814	491	859	672	803	1 211	1 330
50,000 to 99,999 lb	301	342	64	48	101	43	S	S	S	S	S	S
100,000 lb or more	833	607	109	101	152	67	S	S	65	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	1 581	5 900	1 162	605	1 766	734	349	741	611	259	602	685
Less than 50 lb	S	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	29	18	4	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	S	S	S	S	S
750 to 999 lb	S	13	2	S	S	S	1	—	—	S	S	S
1,000 to 9,999 lb	216	285	54	23	43	17	17	30	23	10	S	S
10,000 to 49,999 lb	912	3 542	711	454	930	401	270	447	343	149	224	261
50,000 to 99,999 lb	201	1 278	258	41	S	126	S	S	S	S	S	S
100,000 lb or more	164	738	128	35	S	S	18	163	162	95	367	411
SCTG 05, Meat, fish, seafood, and their preparations	3 024	1 185	239	3 020	1 043	426	2 428	733	561	1 909	610	628
Less than 50 lb	47	5	1	S	1	1	S	S	S	S	S	S
50 to 99 lb	54	7	1	13	2	1	S	S	S	S	S	S
100 to 499 lb	312	65	13	87	15	6	23	3	2	40	3	4
500 to 749 lb	129	33	6	42	8	3	13	3	2	S	1	1
750 to 999 lb	102	35	7	35	9	3	12	2	1	11	2	2
1,000 to 9,999 lb	1 356	503	97	847	245	100	423	105	78	344	74	79
10,000 to 49,999 lb	1 022	528	111	1 895	726	296	1 903	603	463	1 331	417	433
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	3 089	2 590	465	2 027	1 740	723	952	880	673	1 002	981	1 118
Less than 50 lb	11	1	—	5	1	—	S	S	S	S	S	S
50 to 99 lb	12	S	S	7	2	1	S	S	S	S	S	S
100 to 499 lb	129	49	9	S	17	6	10	S	S	9	2	3
500 to 749 lb	62	24	4	18	10	4	S	1	1	S	S	S
750 to 999 lb	80	49	11	17	8	3	S	S	S	3	1	1
1,000 to 9,999 lb	991	606	119	606	309	131	152	69	52	127	76	81
10,000 to 49,999 lb	1 640	1 491	255	1 216	1 056	437	755	715	542	763	660	740
50,000 to 99,999 lb	97	178	32	S	42	17	S	14	11	S	S	S
100,000 lb or more	67	S	S	S	S	S	18	75	64	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	7 709	9 825	1 946	4 820	4 281	1 813	3 539	2 854	2 203	1 850	1 437	1 597
Less than 50 lb	47	7	1	45	4	2	18	2	1	20	1	2
50 to 99 lb	49	9	2	S	2	1	8	1	1	S	S	S
100 to 499 lb	317	108	20	89	20	8	55	7	5	70	9	10
500 to 749 lb	126	60	11	33	16	6	29	4	3	S	2	2
750 to 999 lb	151	86	17	23	S	4	S	4	3	14	4	4
1,000 to 9,999 lb	1 714	1 295	245	949	399	164	382	169	129	295	143	157
10,000 to 49,999 lb	4 323	5 662	1 121	3 207	3 095	1 273	2 651	2 097	1 576	1 256	1 013	1 110
50,000 to 99,999 lb	886	2 478	499	268	347	150	61	58	48	S	S	10
100,000 lb or more	95	119	S	180	388	205	320	512	438	159	255	301
SCTG 08, Alcoholic beverages	2 971	1 908	337	1 667	1 686	770	1 095	1 645	1 499	934	1 995	2 519
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	62	8	1	S	S	S	S	S	S	S	S	S
100 to 499 lb	199	66	11	63	13	6	S	S	S	S	S	S
500 to 749 lb	35	15	2	15	4	2	S	S	S	S	S	S
750 to 999 lb	27	9	2	S	3	1	S	S	S	S	S	S
1,000 to 9,999 lb	348	130	26	182	79	37	S	S	S	13	5	5
10,000 to 49,999 lb	1 602	1 140	208	922	1 009	439	545	640	491	501	689	766
50,000 to 99,999 lb	S	495	75	52	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	397	506	253	406	945	962	378	1 222	1 650
SCTG 09, Tobacco products	509	21	4	128	15	6	S	S	S	S	S	S
Less than 50 lb	58	1	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	36	1	—	S	—	—	S	S	S	S	S	S
100 to 499 lb	245	8	1	12	1	—	S	S	S	—	—	—
500 to 749 lb	S	3	S	S	1	—	—	—	—	—	—	—
750 to 999 lb	S	S	—	13	2	1	—	—	—	—	—	—
1,000 to 9,999 lb	79	5	1	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	196	31	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	12	69	12	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	28	1 619	336	S	628	284	S	64	57	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	5	S	S	2	S	S	S	S	S	S	S
10,000 to 49,999 lb	6	S	S	S	74	31	S	S	S	S	S	S
50,000 to 99,999 lb	10	717	130	5	225	84	S	S	S	S	S	S
100,000 lb or more	6	325	100	6	327	168	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	46	5 744	1 134	22	1 353	636	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	18	S	S	S	385	168	S	S	S	S	S	S
50,000 to 99,999 lb	15	975	209	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	140	1 940	448	113	1 019	441	172	1 813	1 570	101	1 332	1 581
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	9	S	4	S	4	2	S	S	S	S	1	1
10,000 to 49,999 lb	61	541	117	80	681	287	S	S	S	S	S	408
50,000 to 99,999 lb	47	552	93	15	284	127	14	S	S	1	20	22
100,000 lb or more	19	826	234	2	44	23	87	960	949	53	922	1 149

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	1 508	1 280	294	785	S	S	443	550	S	311	104	143
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	166	1	1	S	S	S	S	S	S
10,000 to 49,999 lb	147	138	29	148	S	S	22	S	S	265	46	47
50,000 to 99,999 lb	517	382	90	S	S	S	S	S	S	—	—	—
100,000 lb or more	776	753	175	205	288	115	S	S	S	29	57	96
SCTG 15, Coal	355	22 854	5 615	304	23 347	12 277	727	81 999	76 950	959	105 603	129 320
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	1	53	12	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	27	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	326	20 578	5 193	301	23 212	12 208	701	81 997	76 949	959	105 603	129 320
SCTG 17, Gasoline and aviation turbine fuel	4 383	15 550	2 788	1 853	6 902	2 518	81	S	158	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	17	71	74
10,000 to 49,999 lb	685	2 031	369	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	1 418	4 849	860	364	1 244	491	S	S	S	—	—	—
100,000 lb or more	2 162	8 443	1 522	1 067	4 477	1 555	S	S	S	—	—	—
SCTG 18, Fuel oils	1 372	7 013	1 334	948	5 302	2 348	S	S	S	S	S	S
Less than 50 lb	—	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	S	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	149	25	20	25	11	S	S	S	4	20	20
10,000 to 49,999 lb	200	983	184	64	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	566	2 576	502	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	3 290	S	604	S	1 994	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	1 441	8 174	1 844	S	6 594	3 410	345	5 517	5 722	228	1 838	2 288
Less than 50 lb	10	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	31	6	S	S	S	S	S	S	S	S	S
500 to 749 lb	4	4	1	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	70	84	15	24	23	10	S	S	S	S	S	S
10,000 to 49,999 lb	486	1 985	434	375	933	438	84	131	110	41	140	164
50,000 to 99,999 lb	423	3 108	747	157	1 215	499	S	S	S	S	S	S
100,000 lb or more	393	2 947	639	S	4 420	2 462	211	5 336	5 576	150	S	S
SCTG 20, Basic chemicals	990	3 789	807	929	2 144	1 127	1 290	4 523	4 413	1 015	1 606	2 006
Less than 50 lb	46	2	—	130	4	2	167	3	2	135	3	4
50 to 99 lb	21	1	—	82	S	S	S	S	S	S	S	S
100 to 499 lb	95	14	3	118	12	5	121	8	7	S	3	3
500 to 749 lb	11	8	2	S	7	S	62	2	1	S	2	2
750 to 999 lb	S	10	S	9	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	147	111	21	205	61	26	207	57	45	S	21	23
10,000 to 49,999 lb	341	1 364	281	203	551	239	333	353	292	S	142	157
50,000 to 99,999 lb	157	1 362	260	34	327	169	10	141	123	S	53	58
100,000 lb or more	147	917	237	118	1 175	679	343	3 957	3 942	166	1 378	1 755
SCTG 21, Pharmaceutical products	3 378	84	18	2 686	74	30	949	26	16	1 256	39	41
Less than 50 lb	1 697	17	4	1 356	10	5	573	5	4	715	5	6
50 to 99 lb	555	11	2	203	3	2	102	1	1	43	1	1
100 to 499 lb	817	20	4	523	3	4	102	S	2	197	S	8
500 to 749 lb	S	4	1	58	5	2	13	1	—	S	S	S
750 to 999 lb	19	2	—	39	4	2	S	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	488	31	13	S	S	3	S	11	12
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	371	2 193	474	297	1 720	869	404	3 103	2 851	131	1 142	1 384
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	1	—	S	S	S	S	—	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	19	30	6	15	16	7	5	S	S	S	S	S
10,000 to 49,999 lb	146	980	187	86	491	218	44	205	157	8	64	S
50,000 to 99,999 lb	144	893	183	128	772	384	64	514	404	11	128	141
100,000 lb or more	53	287	97	65	440	260	290	2 377	2 285	110	949	1 173
SCTG 23, Chemical products and preparations, n.e.c.	3 384	1 397	281	3 617	1 576	640	1 780	894	667	1 755	425	459
Less than 50 lb	340	23	5	417	13	6	226	8	6	179	3	4
50 to 99 lb	180	18	3	124	10	4	61	3	2	91	4	5
100 to 499 lb	472	57	11	381	50	22	202	18	14	124	10	11
500 to 749 lb	137	17	4	179	23	9	S	5	4	54	12	13
750 to 999 lb	77	13	3	51	14	6	49	7	5	47	8	9
1,000 to 9,999 lb	915	264	49	788	279	113	415	102	76	493	79	83
10,000 to 49,999 lb	S	903	184	1 620	1 142	461	720	704	525	753	285	310
50,000 to 99,999 lb	34	90	21	17	17	7	S	35	25	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	13	S	S
SCTG 24, Plastics and rubber.....	2 996	1 201	246	2 935	931	395	1 781	530	411	1 621	443	480
Less than 50 lb	267	11	2	442	13	6	225	8	6	203	7	8
50 to 99 lb	111	15	3	139	8	4	66	4	3	70	4	4
100 to 499 lb	384	64	12	326	38	16	166	13	10	182	17	19
500 to 749 lb	147	30	6	112	17	8	60	8	6	58	6	6
750 to 999 lb	143	36	8	125	26	11	77	9	7	56	9	9
1,000 to 9,999 lb	1 184	446	95	1 025	357	150	583	160	123	597	165	177
10,000 to 49,999 lb	689	501	97	714	423	181	574	300	235	447	221	239
50,000 to 99,999 lb	26	44	10	26	39	16	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	666	5 953	1 149	94	299	147	63	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	40	46	8	S	S	S	S	S	S	—	S	S
10,000 to 49,999 lb	160	926	167	60	108	47	28	42	33	S	S	S
50,000 to 99,999 lb	305	4 084	726	S	42	20	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	14	S	12	31	38
SCTG 26, Wood products ..	5 579	12 675	2 709	2 960	7 725	3 617	1 929	4 416	3 752	1 670	3 046	3 839
Less than 50 lb	47	3	1	42	2	1	15	1	1	12	S	S
50 to 99 lb	23	4	1	6	1	—	9	1	1	S	—	—
100 to 499 lb	121	31	6	84	11	5	S	S	S	S	S	S
500 to 749 lb	40	16	3	20	6	2	14	4	3	S	S	S
750 to 999 lb	26	9	2	15	4	2	S	3	2	S	—	—
1,000 to 9,999 lb	593	529	100	200	137	58	105	122	85	58	31	33
10,000 to 49,999 lb	2 114	4 361	888	1 455	3 132	1 369	792	1 479	1 141	645	965	1 082
50,000 to 99,999 lb	2 186	6 189	1 342	757	1 880	868	407	916	698	209	478	555
100,000 lb or more	429	1 534	367	381	S	1 312	536	1 882	1 815	675	1 559	2 154
SCTG 27, Pulp, newsprint, paper, and paperboard ...	1 549	2 575	596	1 576	2 439	1 256	1 038	1 923	1 564	1 267	2 641	3 049
Less than 50 lb	22	2	—	21	2	1	2	—	—	2	—	—
50 to 99 lb	19	4	1	S	S	S	2	—	—	1	S	S
100 to 499 lb	59	20	4	69	20	10	9	2	2	10	2	2
500 to 749 lb	21	8	1	13	5	2	3	1	1	2	1	1
750 to 999 lb	29	9	2	9	4	2	S	S	S	S	S	S
1,000 to 9,999 lb	207	143	27	192	126	49	89	25	19	32	23	24
10,000 to 49,999 lb	513	822	174	755	994	447	456	785	596	434	822	889
50,000 to 99,999 lb	389	928	202	84	183	85	44	79	65	43	93	111
100,000 lb or more	291	640	184	424	1 103	659	428	1 030	879	744	1 701	2 022
SCTG 28, Paper or paperboard articles	1 727	1 483	292	1 821	1 564	725	1 142	649	508	1 226	734	817
Less than 50 lb	29	3	1	28	2	1	27	3	2	S	S	S
50 to 99 lb	23	5	1	12	2	1	5	1	1	3	1	1
100 to 499 lb	148	50	10	52	13	5	41	6	4	27	7	7
500 to 749 lb	53	18	3	36	13	6	12	5	4	20	3	4
750 to 999 lb	32	16	3	33	14	6	10	5	4	S	S	S
1,000 to 9,999 lb	509	328	64	385	228	94	183	90	71	199	69	74
10,000 to 49,999 lb	880	990	197	1 183	1 119	514	833	483	368	859	564	607
50,000 to 99,999 lb	S	49	9	41	53	24	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	120	75	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	1 968	511	103	2 417	642	285	1 759	291	225	1 555	246	282
Less than 50 lb	619	42	9	516	27	13	535	18	15	696	25	27
50 to 99 lb	87	9	2	167	11	5	154	11	9	162	11	12
100 to 499 lb	404	38	8	519	49	22	431	23	18	240	16	17
500 to 749 lb	84	20	4	152	33	14	106	S	S	45	4	5
750 to 999 lb	52	14	3	61	14	6	55	9	6	33	4	4
1,000 to 9,999 lb	386	159	34	568	203	87	232	57	43	170	53	57
10,000 to 49,999 lb	324	207	39	416	236	97	243	150	117	205	131	158
50,000 to 99,999 lb	S	22	5	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	5 059	679	141	7 834	435	177	2 574	123	97	3 349	155	173
Less than 50 lb	594	15	3	1 664	32	14	761	17	13	855	19	20
50 to 99 lb	109	7	1	279	11	5	214	6	4	167	8	8
100 to 499 lb	441	47	9	680	38	16	376	15	12	524	27	29
500 to 749 lb	137	19	4	225	16	6	89	7	5	399	S	S
750 to 999 lb	171	21	4	313	17	8	77	3	3	75	S	5
1,000 to 9,999 lb	2 612	231	45	1 122	93	39	810	38	30	660	42	44
10,000 to 49,999 lb	787	S	S	S	166	64	239	37	30	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	2 058	12 784	2 573	1 582	7 384	3 354	746	2 293	1 862	653	1 259	1 414
Less than 50 lb	35	4	1	71	5	2	38	2	1	46	2	3
50 to 99 lb	42	5	1	32	4	2	15	2	1	36	3	3
100 to 499 lb	84	19	4	67	S	S	40	6	4	67	6	6
500 to 749 lb	25	8	2	19	9	4	20	1	1	S	S	S
750 to 999 lb	30	10	2	S	5	2	1	1	1	5	S	S
1,000 to 9,999 lb	322	253	51	151	123	50	88	51	40	153	84	99
10,000 to 49,999 lb	937	4 402	867	879	3 197	1 363	437	1 228	935	254	659	705
50,000 to 99,999 lb	453	6 043	1 172	158	1 119	456	30	184	150	25	149	153
100,000 lb or more	130	2 040	475	190	2 883	1 460	77	819	728	42	350	438
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	3 370	2 883	562	3 381	3 158	1 384	2 880	2 389	1 956	2 217	1 290	1 513
Less than 50 lb	58	3	1	110	3	1	75	2	1	61	2	3
50 to 99 lb	38	4	1	67	3	1	9	1	1	41	2	2
100 to 499 lb	128	23	4	211	16	7	72	9	7	109	11	12
500 to 749 lb	54	16	3	53	10	4	27	4	3	32	4	4
750 to 999 lb	37	14	3	33	7	3	11	3	2	29	3	3
1,000 to 9,999 lb	592	403	81	504	254	107	280	101	71	613	127	139
10,000 to 49,999 lb	1 514	1 459	270	1 932	2 154	918	1 351	1 212	905	884	509	544
50,000 to 99,999 lb	441	599	122	242	378	157	69	127	101	S	S	S
100,000 lb or more	508	361	78	230	332	185	986	931	864	430	603	775
SCTG 33, Articles of base metal	3 451	1 578	298	3 261	1 474	626	1 977	982	763	1 972	677	756
Less than 50 lb	473	17	3	503	12	5	231	5	4	397	8	9
50 to 99 lb	123	13	3	132	6	3	108	4	3	135	3	3
100 to 499 lb	585	67	13	399	41	17	175	16	12	226	14	15
500 to 749 lb	108	26	5	121	21	9	102	12	8	58	6	6
750 to 999 lb	83	19	4	92	16	6	67	11	8	63	7	8
1,000 to 9,999 lb	997	325	62	965	377	167	401	144	110	502	186	207
10,000 to 49,999 lb	995	946	179	924	825	341	453	426	326	465	309	339
50,000 to 99,999 lb	36	33	6	75	54	23	S	70	54	40	28	30
100,000 lb or more	S	S	23	49	S	S	194	S	S	85	S	S
SCTG 34, Machinery	4 775	442	87	3 645	324	142	3 778	227	179	2 755	264	286
Less than 50 lb	926	19	4	692	11	5	298	5	4	295	5	5
50 to 99 lb	266	13	3	317	7	3	98	1	1	92	S	S
100 to 499 lb	779	54	11	454	33	14	373	18	15	504	S	S
500 to 749 lb	213	20	4	215	19	8	142	9	6	129	12	13
750 to 999 lb	102	8	2	90	8	3	82	7	6	100	7	8
1,000 to 9,999 lb	1 243	146	29	854	116	51	1 974	76	59	857	64	70
10,000 to 49,999 lb	1 187	175	34	889	104	46	652	59	46	769	99	106
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	11 639	350	70	31 600	908	394	16 068	294	224	18 084	290	323
Less than 50 lb	3 502	30	6	9 962	40	17	5 375	25	20	6 198	24	27
50 to 99 lb	1 298	28	5	3 558	25	10	1 561	9	7	1 629	11	11
100 to 499 lb	2 049	67	14	6 269	92	39	5 232	33	26	4 281	46	53
500 to 749 lb	220	16	3	1 666	29	13	666	16	12	893	13	14
750 to 999 lb	189	12	2	935	44	18	681	7	5	565	11	12
1,000 to 9,999 lb	S	136	27	4 768	384	165	2 028	123	89	3 070	92	101
10,000 to 49,999 lb	439	56	11	S	292	131	487	76	61	1 425	91	101
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	5 343	544	110	6 513	1 712	657	3 100	370	291	1 922	152	169
Less than 50 lb	495	20	4	571	16	7	307	10	7	269	8	9
50 to 99 lb	269	17	3	214	10	4	102	5	4	68	3	3
100 to 499 lb	1 568	119	24	915	47	20	453	23	19	268	13	15
500 to 749 lb	856	59	11	745	37	14	26	4	3	6	6	5
750 to 999 lb	410	27	5	226	15	6	40	6	4	23	3	3
1,000 to 9,999 lb	1 011	136	30	1 956	230	92	377	66	51	476	39	44
10,000 to 49,999 lb	593	137	25	1 262	266	111	1 787	253	200	699	73	82
50,000 to 99,999 lb	109	18	4	522	687	254	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	1 460	68	15	1 366	50	24	1 470	S	S	5 054	15	16
Less than 50 lb	262	1	—	539	1	1	315	1	—	819	2	2
50 to 99 lb	60	S	S	110	S	S	185	—	—	109	1	1
100 to 499 lb	219	S	S	155	4	2	463	3	3	320	2	3
500 to 749 lb	S	S	S	S	S	S	S	—	—	S	S	S
750 to 999 lb	S	S	S	21	S	S	S	S	S	66	1	1
1,000 to 9,999 lb	S	26	6	S	8	4	S	S	S	91	4	5
10,000 to 49,999 lb	427	31	7	24	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	1 606	54	11	4 420	83	36	2 882	41	31	3 476	50	53
Less than 50 lb	658	4	1	1 356	5	2	748	4	3	1 071	4	5
50 to 99 lb	86	2	—	329	2	1	171	2	1	S	S	S
100 to 499 lb	319	6	1	1 049	12	5	728	5	4	421	7	8
500 to 749 lb	77	2	—	193	4	2	91	1	1	S	S	S
750 to 999 lb	S	S	S	51	2	1	S	4	2	S	2	S
1,000 to 9,999 lb	373	S	S	1 214	S	S	716	14	11	S	S	27
10,000 to 49,999 lb	S	S	S	S	S	S	210	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	1 049	216	45	1 555	260	109	707	120	95	887	178	199
Less than 50 lb	27	2	—	58	3	1	40	2	1	74	4	4
50 to 99 lb	56	5	1	49	4	2	9	1	1	39	2	2
100 to 499 lb	246	32	6	289	27	11	84	9	7	149	24	28
500 to 749 lb	101	17	4	104	17	6	S	5	4	31	6	6
750 to 999 lb	49	10	2	82	20	8	31	4	3	74	11	12
1,000 to 9,999 lb	346	87	17	775	134	56	289	58	46	284	62	67
10,000 to 49,999 lb	223	63	14	198	55	24	143	40	32	233	69	79
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products	15 505	2 825	572	13 283	1 438	617	4 686	749	583	4 449	S	S
Less than 50 lb	1 486	23	5	2 159	30	14	1 696	26	21	1 476	23	25
50 to 99 lb	292	12	2	412	16	7	265	11	9	S	21	24
100 to 499 lb	761	54	10	2 481	44	20	701	30	24	527	33	36
500 to 749 lb	427	26	5	S	23	10	89	11	8	132	8	8
750 to 999 lb	S	15	3	501	17	7	52	5	4	73	6	7
1,000 to 9,999 lb	2 861	534	108	3 889	363	147	956	170	134	941	215	237
10,000 to 49,999 lb	S	1 754	354	2 518	632	270	608	335	256	561	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	300	137	105	S	S	S
100,000 lb or more	S	S	S	S	S	S	19	S	S	S	S	S
SCTG 41, Waste and scrap	492	4 083	799	586	4 922	2 297	161	1 014	905	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	12	3	S	10	S	S	S	S	S	S	S
10,000 to 49,999 lb	348	1 914	383	395	1 963	889	81	179	139	148	S	S
50,000 to 99,999 lb	79	1 102	229	48	210	99	8	S	S	S	35	43
100,000 lb or more	58	1 055	184	132	S	S	72	733	675	15	141	S
SCTG 43, Mixed freight	9 944	5 240	1 118	2 959	984	410	807	260	186	106	42	46
Less than 50 lb	84	3	1	52	3	S	21	1	—	15	—	1
50 to 99 lb	30	5	1	12	2	1	S	S	S	S	—	—
100 to 499 lb	293	71	14	77	20	8	11	3	2	14	2	2
500 to 749 lb	152	50	10	61	15	6	10	4	3	5	S	S
750 to 999 lb	S	47	9	73	18	7	20	8	S	S	S	S
1,000 to 9,999 lb	1 904	754	150	1 284	293	123	591	181	125	S	S	S
10,000 to 49,999 lb	5 611	3 508	749	960	382	158	140	57	43	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	603	394	70	651	390	157	333	178	142	195	42	47
Less than 50 lb	26	1	—	86	2	1	56	—	—	54	S	S
50 to 99 lb	S	1	—	36	1	—	S	1	—	16	—	—
100 to 499 lb	S	S	S	84	2	1	S	S	1	11	1	1
500 to 749 lb	S	1	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	3	1	—	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	83	26	5	212	38	17	59	11	9	31	8	9
10,000 to 49,999 lb	194	166	24	175	S	S	116	101	74	S	S	S
50,000 to 99,999 lb	S	S	23	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	91 201	107 243	173 683	122 241	31 682	70 906	151 569	22 050	62 765
Less than 50 lb	19 900	218	338	29 113	325	675	42 178	395	1 076
50 to 99 lb	5 080	108	171	6 110	142	296	13 856	170	461
100 to 499 lb	11 930	346	533	14 289	539	1 111	21 358	644	1 756
500 to 749 lb	3 458	138	214	5 148	234	478	6 734	276	748
750 to 999 lb	1 747	109	167	3 942	199	416	4 740	177	484
1,000 to 9,999 lb	18 474	2 302	3 493	22 085	2 897	6 071	31 789	3 769	10 287
10,000 to 49,999 lb	20 991	10 758	16 420	24 900	10 767	23 416	21 615	9 323	26 475
50,000 to 99,999 lb	926	2 809	4 033	2 575	1 337	2 920	1 699	889	2 483
100,000 lb or more	8 694	90 454	148 314	14 079	15 242	35 522	7 600	6 408	18 995
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	84	433	686	68	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	6	S	S	S	S	S
10,000 to 49,999 lb	16	22	32	28	S	S	41	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	65	407	648	S	S	S	—	—	—
SCTG 03, Other agricultural products	1 338	1 684	2 708	2 604	2 863	6 226	3 768	3 215	8 902
Less than 50 lb	10	S	S	S	S	S	75	3	8
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	49	S	7	95	10	S	151	S	S
500 to 749 lb	1	—	1	S	2	5	38	6	17
750 to 999 lb	S	S	S	S	3	6	S	4	13
1,000 to 9,999 lb	238	275	431	401	490	1 060	622	765	2 096
10,000 to 49,999 lb	947	1 141	1 821	1 677	1 960	4 197	2 673	2 085	5 739
50,000 to 99,999 lb	S	S	S	S	97	225	63	S	S
100,000 lb or more	67	228	390	209	296	699	87	197	584
SCTG 04, Animal feed and products of animal origin, n.e.c.	181	218	333	108	112	240	444	372	1 067
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	109	115	172	63	42	88	274	284	813
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	89	138	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	2 180	935	1 348	1 519	490	1 006	1 410	280	782
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	6	S	S	S	S	S
100 to 499 lb	25	3	4	41	3	6	87	8	25
500 to 749 lb	18	2	3	17	2	5	46	4	12
750 to 999 lb	26	5	6	S	1	2	S	1	4
1,000 to 9,999 lb	257	58	84	311	53	105	688	98	266
10,000 to 49,999 lb	1 545	598	875	711	238	478	535	165	465
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	335	175	369	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	811	540	822	737	589	1 338	692	460	1 283
Less than 50 lb	S	S	S	S	—	1	4	1	2
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	20	5	13
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	64	29	47	107	37	78	199	S	S
10,000 to 49,999 lb	655	410	606	475	285	610	442	337	933
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	2 736	2 379	3 927	4 780	3 338	7 478	2 898	2 664	7 830
Less than 50 lb	18	1	2	S	2	5	32	2	6
50 to 99 lb	8	1	1	6	1	1	21	2	6
100 to 499 lb	68	7	11	44	6	13	79	8	22
500 to 749 lb	S	2	4	S	4	7	S	S	S
750 to 999 lb	S	S	S	31	4	7	S	S	S
1,000 to 9,999 lb	205	91	148	322	122	256	276	81	226
10,000 to 49,999 lb	1 944	1 545	2 461	3 441	1 948	4 231	1 462	1 279	3 665
50,000 to 99,999 lb	20	50	89	135	256	591	115	100	284
100,000 lb or more	458	682	1 212	732	996	2 366	859	1 182	3 595
SCTG 08, Alcoholic beverages	708	1 735	3 051	1 284	1 760	3 753	1 789	1 079	3 241
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	—	1
500 to 749 lb	S	S	S	S	S	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	15	6	9	75	35	78	S	S	S
10,000 to 49,999 lb	392	558	826	836	605	1 319	1 272	719	2 098
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	1 029	1 942	345	S	S	S	S	S
SCTG 09, Tobacco products	S	S	S	S	S	S	S	1	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	1	4	6	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 11, Natural sands	S	S	S	19	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	7	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	225	2 198	3 494	107	1 041	2 203	48	207	555
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	—	—	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	1	1	1	1	3	S	S	S
10,000 to 49,999 lb	S	S	S	29	263	572	41	142	382
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	158	1 650	2 728	73	666	1 411	5	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	190	S	S	400	66	142	567	61	167
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	—	—
100 to 499 lb	—	—	—	S	S	S	S	—	—
500 to 749 lb	—	—	—	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	1	—	—	S	S	S	43	S	S
10,000 to 49,999 lb	S	S	S	346	53	111	S	31	82
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 15, Coal	727	70 530	113 472	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	727	70 530	113 472	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	948	4 577	6 265	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 18, Fuel oils	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	137	S	S	54	S	S	56	78	213
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	38	158	228	28	41	82	S	49	126
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals ..	1 374	3 280	5 386	1 260	2 700	6 202	923	421	1 193
Less than 50 lb	128	3	5	197	4	8	203	5	14
50 to 99 lb	S	S	S	71	3	6	55	S	S
100 to 499 lb	S	S	S	66	S	S	109	7	19
500 to 749 lb	17	1	1	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	95	18	28	86	14	28	S	S	S
10,000 to 49,999 lb	441	289	445	270	247	505	161	101	283
50,000 to 99,999 lb	S	43	73	S	S	S	S	S	S
100,000 lb or more	598	2 922	4 827	554	2 393	5 568	53	S	S
SCTG 21, Pharmaceutical products	2 806	106	162	2 411	108	239	2 549	60	164
Less than 50 lb	1 340	9	13	1 526	9	17	1 260	5	14
50 to 99 lb	S	3	4	161	S	S	257	2	5
100 to 499 lb	168	6	10	198	3	7	437	4	12
500 to 749 lb	S	S	S	S	S	S	S	1	2
750 to 999 lb	S	S	S	S	1	2	S	S	S
1,000 to 9,999 lb	S	26	31	209	14	30	296	26	70
10,000 to 49,999 lb	355	52	S	263	77	S	S	16	43
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	S	724	S	S	S	S	7	28	75
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	75	114	3	S	S	7	28	74
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	3 435	990	1 460	1 843	571	1 219	1 781	418	1 169
Less than 50 lb	170	5	8	176	4	8	238	4	11
50 to 99 lb	73	6	8	36	2	4	96	4	11
100 to 499 lb	387	12	19	183	12	25	238	13	36
500 to 749 lb	56	6	8	113	9	19	119	10	26
750 to 999 lb	S	2	3	48	5	11	47	7	19
1,000 to 9,999 lb	319	58	87	560	80	167	541	83	225
10,000 to 49,999 lb	2 349	497	758	676	354	723	464	175	461
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	103	256	S	120	376
SCTG 24, Plastics and rubber	1 687	354	541	2 256	443	938	2 574	484	1 335
Less than 50 lb	289	10	15	406	18	37	507	21	56
50 to 99 lb	86	4	6	115	7	14	150	8	22
100 to 499 lb	267	21	32	365	31	65	446	30	80
500 to 749 lb	117	9	14	56	8	17	121	14	36
750 to 999 lb	27	6	9	119	12	24	86	12	32
1,000 to 9,999 lb	453	87	132	445	92	190	677	139	372
10,000 to 49,999 lb	433	186	282	716	238	512	532	181	504
50,000 to 99,999 lb	S	S	S	S	S	S	32	14	38
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	46	85	197	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	3	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	24	44	104	S	S	S
SCTG 26, Wood products	1 917	3 102	5 287	3 133	4 032	9 726	2 324	2 690	8 205
Less than 50 lb	11	1	1	12	1	2	11	1	3
50 to 99 lb	6	S	S	7	1	1	4	1	1
100 to 499 lb	35	4	6	S	S	S	40	4	11
500 to 749 lb	S	S	S	S	S	S	7	1	3
750 to 999 lb	S	S	S	S	—	1	S	S	S
1,000 to 9,999 lb	133	41	65	113	37	79	80	25	68
10,000 to 49,999 lb	787	982	1 557	1 461	1 154	2 850	1 079	751	2 286
50,000 to 99,999 lb	195	313	505	356	429	956	179	222	629
100,000 lb or more	722	1 755	3 141	1 113	2 398	5 815	917	1 684	5 201
SCTG 27, Pulp, newsprint, paper, and paperboard	365	611	963	579	747	1 696	406	414	1 217
Less than 50 lb	2	—	—	5	—	1	12	S	2
50 to 99 lb	S	S	S	3	—	1	S	—	1
100 to 499 lb	S	2	S	S	2	4	8	1	4
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	15	6	8	S	26	55	51	S	S
10,000 to 49,999 lb	176	282	434	316	390	874	186	174	497
50,000 to 99,999 lb	—	—	—	S	42	99	S	S	S
100,000 lb or more	157	317	510	128	285	662	138	206	630
SCTG 28, Paper or paperboard articles	459	265	387	469	205	458	643	332	1 220
Less than 50 lb	61	3	4	S	5	10	S	3	8
50 to 99 lb	5	S	S	S	S	S	S	S	S
100 to 499 lb	15	3	4	31	5	10	34	4	10
500 to 749 lb	6	2	4	S	S	S	S	S	S
750 to 999 lb	13	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	40	25	39	55	17	34	S	29	84
10,000 to 49,999 lb	295	186	262	220	134	296	326	272	1 044
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	1 716	175	272	2 736	573	1 148	2 206	439	1 233
Less than 50 lb	824	32	48	886	33	67	719	26	70
50 to 99 lb	131	11	16	135	11	24	138	13	34
100 to 499 lb	237	32	53	522	95	189	351	43	117
500 to 749 lb	S	14	24	167	48	97	94	S	S
750 to 999 lb	S	5	8	202	S	S	S	6	15
1,000 to 9,999 lb	208	28	42	638	276	549	504	S	S
10,000 to 49,999 lb	114	54	81	187	52	105	246	52	145
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	4 694	200	311	10 650	455	962	14 605	638	1 744
Less than 50 lb	1 619	34	54	2 769	60	126	4 157	85	229
50 to 99 lb	294	13	S	817	35	74	890	28	78
100 to 499 lb	568	24	36	1 104	47	98	2 019	80	221
500 to 749 lb	286	10	15	377	19	40	720	32	86
750 to 999 lb	139	8	12	680	20	41	436	20	52
1,000 to 9,999 lb	1 355	84	129	3 622	191	408	4 462	194	529
10,000 to 49,999 lb	434	26	38	1 148	76	159	1 803	144	395
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	506	1 103	1 818	661	728	1 580	641	697	1 871
Less than 50 lb	72	3	4	122	4	8	114	6	16
50 to 99 lb	22	1	2	22	1	3	S	S	S
100 to 499 lb	90	6	10	S	S	S	93	14	38
500 to 749 lb	S	1	1	S	S	S	S	2	6
750 to 999 lb	4	—	—	3	1	2	1	1	2
1,000 to 9,999 lb	109	33	52	142	87	179	71	38	99
10,000 to 49,999 lb	130	446	733	183	300	635	231	337	902
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	62	593	991	S	306	S	S	286	773
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	3 373	1 463	2 426	2 864	1 522	3 382	2 311	1 071	2 947
Less than 50 lb	106	3	4	S	S	S	S	S	S
50 to 99 lb	S	S	S	37	2	3	55	S	S
100 to 499 lb	86	6	10	138	7	14	289	13	36
500 to 749 lb	37	3	4	105	S	S	63	6	17
750 to 999 lb	54	6	9	S	S	S	S	4	10
1,000 to 9,999 lb	S	89	129	263	90	189	483	89	238
10,000 to 49,999 lb	1 017	416	650	1 041	688	1 473	405	S	S
50,000 to 99,999 lb	66	S	S	S	25	S	21	51	139
100,000 lb or more	1 029	853	1 469	1 023	690	1 611	S	466	1 280
SCTG 33, Articles of base metal	2 959	786	1 198	2 334	590	1 578	2 748	871	2 363
Less than 50 lb	384	9	13	495	14	29	603	12	33
50 to 99 lb	159	5	8	105	4	8	120	4	11
100 to 499 lb	225	22	32	510	30	63	395	25	66
500 to 749 lb	167	13	19	151	12	24	83	13	42
750 to 999 lb	52	8	12	38	5	11	57	5	13
1,000 to 9,999 lb	907	186	289	484	139	293	802	212	561
10,000 to 49,999 lb	935	385	562	443	212	457	543	382	1 061
50,000 to 99,999 lb	51	63	S	S	S	S	86	101	264
100,000 lb or more	81	96	145	S	S	S	59	S	S
SCTG 34, Machinery	4 294	508	755	6 334	478	1 012	5 984	543	1 466
Less than 50 lb	592	8	14	789	10	21	1 230	20	54
50 to 99 lb	150	7	11	169	4	8	263	5	14
100 to 499 lb	563	24	36	1 212	31	65	753	54	151
500 to 749 lb	240	17	26	266	14	29	205	9	24
750 to 999 lb	338	9	15	179	9	19	236	9	22
1,000 to 9,999 lb	1 006	115	169	1 551	125	265	2 335	94	259
10,000 to 49,999 lb	1 366	124	188	1 894	211	457	952	99	276
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	28 625	615	934	34 761	668	1 430	57 474	1 246	3 427
Less than 50 lb	8 322	35	55	11 565	51	105	20 635	67	180
50 to 99 lb	2 242	17	26	2 769	24	50	5 313	39	106
100 to 499 lb	6 009	70	108	5 969	85	178	9 351	128	341
500 to 749 lb	1 488	15	24	2 221	25	53	3 594	60	160
750 to 999 lb	666	17	26	1 790	28	58	2 223	38	106
1,000 to 9,999 lb	8 276	256	388	6 218	240	519	14 794	S	S
10,000 to 49,999 lb	1 604	201	301	S	213	462	1 486	119	333
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	66	9	23

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	4 781	491	811	4 204	392	824	3 779	305	822
Less than 50 lb	227	6	9	313	8	17	550	15	41
50 to 99 lb	65	2	4	129	5	9	149	8	23
100 to 499 lb	205	13	21	300	18	38	556	29	79
500 to 749 lb	26	2	3	S	10	19	120	6	14
750 to 999 lb	S	S	S	S	9	18	S	6	17
1,000 to 9,999 lb	1 076	94	154	849	63	124	399	58	155
10,000 to 49,999 lb	3 128	367	609	2 193	269	577	1 340	174	469
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	5 803	S	S	13 835	53	123	14 680	56	158
Less than 50 lb	869	2	3	955	1	2	S	2	6
50 to 99 lb	271	2	3	231	1	1	S	2	5
100 to 499 lb	866	4	6	243	3	5	S	S	S
500 to 749 lb	S	1	1	S	S	S	S	—	1
750 to 999 lb	S	—	1	S	S	S	S	S	S
1,000 to 9,999 lb	198	7	10	S	18	S	S	13	39
10,000 to 49,999 lb	S	S	S	145	9	21	S	18	52
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	S	S	S	8 366	18	46	S	S	S
SCTG 38, Precision instruments and apparatus	3 938	35	53	5 381	74	155	8 739	74	200
Less than 50 lb	2 015	7	11	2 494	10	21	4 444	14	38
50 to 99 lb	370	2	3	466	3	7	609	4	11
100 to 499 lb	995	8	12	939	10	22	1 889	18	50
500 to 749 lb	113	S	S	432	7	15	527	5	12
750 to 999 lb	S	S	S	S	S	S	196	3	S
1,000 to 9,999 lb	400	14	20	832	35	70	932	18	49
10,000 to 49,999 lb	S	S	S	41	7	15	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	951	216	322	1 579	239	506	1 875	377	1 033
Less than 50 lb	50	2	4	152	S	S	112	4	12
50 to 99 lb	50	3	4	S	S	S	S	9	22
100 to 499 lb	98	11	16	294	25	53	230	20	54
500 to 749 lb	41	7	11	99	9	20	70	10	26
750 to 999 lb	33	5	7	S	9	18	56	9	24
1,000 to 9,999 lb	412	81	121	494	80	164	756	124	344
10,000 to 49,999 lb	209	82	121	331	102	222	491	170	466
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products ...	5 892	S	S	11 530	839	1 736	11 986	872	2 358
Less than 50 lb	2 575	40	62	5 519	65	136	5 010	79	220
50 to 99 lb	545	23	34	590	21	43	962	24	65
100 to 499 lb	788	55	82	1 706	73	148	2 062	82	224
500 to 749 lb	157	17	28	552	33	67	539	S	S
750 to 999 lb	84	8	13	210	18	38	338	15	41
1,000 to 9,999 lb	1 232	S	S	1 828	S	S	1 736	S	S
10,000 to 49,999 lb	508	115	178	1 123	141	300	1 328	165	457
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 41, Waste and scrap .	174	286	445	197	189	415	262	1 010	2 873
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	124	205	302	169	127	283	80	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	72	128	27	S	S	125	808	2 294
SCTG 43, Mixed freight	87	16	23	297	76	156	345	121	S
Less than 50 lb	21	1	2	83	5	11	78	4	10
50 to 99 lb	S	S	S	27	4	9	12	2	5
100 to 499 lb	13	1	2	35	6	13	27	S	S
500 to 749 lb	S	S	S	S	1	2	7	S	S
750 to 999 lb	S	S	S	S	S	S	S	1	2
1,000 to 9,999 lb	S	5	7	28	11	21	37	12	37
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	601	S	S	597	93	203	776	102	291
Less than 50 lb	103	1	1	175	1	2	202	2	4
50 to 99 lb	S	S	S	23	S	S	27	1	2
100 to 499 lb	S	2	2	65	2	5	67	2	5
500 to 749 lb	4	—	1	S	S	S	S	2	5
750 to 999 lb	S	S	S	S	1	2	19	1	3
1,000 to 9,999 lb	S	8	12	140	25	53	59	S	S
10,000 to 49,999 lb	S	49	81	89	37	79	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	103	S	S	S	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in

1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

Item	1993	1997
1. Industry coverage	Manufacturers (minor exceptions) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses Auxiliaries (e.g., warehouses)
2. Commodity classification system	Standard Transportation Commodity Classification (STCC), developed by the American Association of Railroads (AAR).	Standard Classification of Transported Goods (SCTG).
3. Sample size	Approximately 200,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1992 Standard Statistical Establishment List (SSEL).	Approximately 100,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1995 Standard Statistical Establishment List (SSEL).
4. Survey methodology	Respondents took a sample of their individual outbound shipments for a 2-week period during each of the four calendar quarters of 1993. Respondents reported key characteristics for each sampled shipment.	Respondents took a sample of their individual outbound shipments for a 1-week period during each of the four calendar quarters of 1997. Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	For each shipment: Total value Total weight Major commodity (STCC) All modes of transportation Multiple origins (respondents specifically requested to report all shipment origins for the sampled establishment and report the appropriate origin for each shipment; assumed to always be the mailing address if no other origins listed). Destination Containerized (Y/N) Hazardous material (Y/N) Export (Y/N) If export, mode of export, foreign country, and city of destination.	For each shipment: Total value Total weight Major commodity (SCTG) All modes of transportation Single origin (assumed to be the mailing address unless the respondent provided a different physical location address). Destination Containerized (Y/N) Hazardous material (UN/NA codes) Export (Y/N) If export, mode of export, foreign country, and city of destination.

Appendix B. Reliability of the Estimates

An estimate based on a sample survey potentially contains two types of errors—sampling and nonsampling. Sampling error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The bias of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. Variance is the squared difference, averaged over all possible samples of the same size and design, between an estimator and its average value. Descriptions of sampling and nonsampling errors for the 1997 Commodity Flow Survey (CFS) are provided in the following sections.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of all the shipments made in 1997 from all establishments included on the CFS sampling frame is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling. (See Appendix C for a description of the sample design.)

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the

sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

An estimate of an unknown population value and its approximate standard error can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability, or confidence, of containing the unknown population value. If, for each possible sample, an estimate of an unknown population value and the estimate's approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the unknown population value.
2. For approximately 95 percent of the possible samples, the interval from two standard errors below to two standard errors above the estimate would include the unknown population value.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources: (1) nonresponse, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) other errors of collection, response, coverage, and processing. Although no direct measurement of the potential biases because of nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize its influence.

A potentially large source of bias in the estimates is due to nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all the selected establishments. Four levels of nonresponse can occur in the CFS: item, shipment, quarter (reporting week), and establishment. Item nonresponse

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been

returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

Some possible sources of bias that are attributed to respondent-conducted sampling include misunderstanding the definition of a shipment, constructing an incomplete frame of shipments from which to sample, ordering the shipment sampling frame by selected shipment characteristics, and selecting shipment records by a method other than the one specified in the questionnaire's instructions. We often contacted respondents who reported shipments having atypically large value or weight when compared to the rest of their reported shipments. Upon contact, if we are able to collect information on all of a given respondent's large shipments made either for a particular reporting week or for the entire quarter, then we identify these large shipments as certainty shipments. (See Appendix C for a description of how certainty shipments are used in the estimation process.)

Table B-1a. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	3.1	—	3.8	—	7.7	—	6.2
Single modes	4.0	.8	4.0	1.0	8.4	1.8	9.7
Truck	3.8	1.0	4.7	1.5	2.1	2.5	12.2
For-hire truck	4.3	.8	6.3	1.4	2.5	1.6	6.2
Private truck	4.5	.9	5.7	1.4	5.5	.9	7.5
Rail	5.7	.2	9.8	1.8	12.9	3.4	3.1
Water	19.5	.2	17.0	.5	20.8	.7	20.9
Shallow draft	18.6	—	17.7	.2	30.7	.2	12.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	29.5	.2	29.9	.5	26.2	.7	19.8
Air (includes truck and air)	16.2	1.0	14.2	—	14.0	—	2.0
Pipeline	10.7	.2	10.2	.5	S	S	S
Multiple modes	2.8	.6	20.7	.6	20.0	1.8	5.4
Parcel, U.S. Postal Service or courier	3.2	.6	4.5	—	6.0	—	5.4
Truck and rail	21.9	.1	S	S	46.7	1.1	5.2
Truck and water	15.4	—	19.0	—	15.5	.2	10.2
Rail and water	23.8	—	29.3	.4	28.3	1.6	12.2
Other multiple modes	S	S	S	S	29.6	—	S
Other and unknown modes	4.9	.3	13.5	.7	16.7	.6	12.7

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Region: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	3.1	2.4	4.9	3.8	4.8	6.2	7.7	6.9	10.8	6.2	3.3	7.7
Single modes	4.0	1.9	5.5	4.0	4.7	6.5	8.4	7.3	11.4	9.7	11.3	11.6
Truck	3.8	2.1	5.2	4.7	2.9	6.1	2.1	2.7	3.7	12.2	3.9	12.3
For-hire truck	4.3	3.7	6.0	6.3	5.7	8.1	2.5	3.6	4.5	6.2	3.9	8.4
Private truck	4.5	2.1	6.7	5.7	3.2	7.6	5.5	3.8	8.3	7.5	3.7	8.4
Rail	5.7	8.2	9.3	9.8	8.0	11.9	12.9	9.6	16.8	3.1	4.9	6.2
Water	19.5	17.3	35.5	17.0	24.7	42.2	20.8	27.1	23.0	20.9	7.5	13.4
Shallow draft	18.6	19.4	47.0	17.7	30.2	41.3	30.7	25.2	67.2	12.1	46.1	83.0
Great Lakes	—	—	—	—	—	—	—	—	—	—	—	—
Deep draft	29.5	20.3	43.6	29.9	27.1	65.7	26.2	29.8	22.9	19.8	5.5	11.3
Air (includes truck and air)	16.2	7.2	38.7	14.2	14.3	31.5	14.0	15.3	35.0	2.0	3.6	4.4
Pipeline	10.7	22.5	23.2	10.2	32.5	27.0	S	S	S	S	S	S
Multiple modes	2.8	8.3	13.5	20.7	21.2	43.5	20.0	22.5	46.5	5.4	3.5	7.1
Parcel, U.S. Postal Service or courier	3.2	5.2	10.3	4.5	9.1	13.0	6.0	10.1	16.7	5.4	3.4	7.1
Truck and rail	21.9	S	S	S	19.7	S	46.7	24.5	70.6	5.2	8.6	7.9
Truck and water	15.4	10.7	34.3	19.0	S	S	15.5	23.9	25.7	10.2	5.6	9.3
Rail and water	23.8	35.1	148.7	29.3	45.0	140.7	28.3	46.5	103.5	12.2	15.7	16.8
Other multiple modes	S	S	S	S	S	S	29.6	S	S	S	S	S
Other and unknown modes ...	4.9	14.1	13.1	13.5	16.1	12.4	16.7	20.4	18.7	12.7	18.2	15.6

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1c. **Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Region: Percent of Total 1997 and 1993**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes	.8	1.2	1.0	1.5	1.8	1.4
Truck	1.0	1.1	1.5	2.0	2.5	1.7
For-hire truck	.8	.9	1.4	1.3	1.6	1.3
Private truck	.9	.9	1.4	1.4	.9	.5
Rail	.2	.3	1.8	1.3	3.4	1.8
Water	.2	.1	.5	.5	.7	.8
Shallow draft	—	—	.2	.3	.2	—
Great Lakes	—	—	—	—	—	—
Deep draft	.2	.1	.5	.3	.7	.8
Air (includes truck and air)	1.0	.4	—	—	—	—
Pipeline	.2	.4	.5	1.1	S	S
Multiple modes	.6	.9	.6	.4	1.8	1.3
Parcel, U.S. Postal Service or courier	.6	.5	—	—	—	—
Truck and rail	.1	S	S	.2	1.1	.5
Truck and water	—	—	—	S	.2	.2
Rail and water	—	—	.4	.2	1.6	1.3
Other multiple modes	S	S	S	S	—	S
Other and unknown modes	.3	.9	.7	1.5	.6	1.0

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-2. **Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Region: 1997**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	7.7	—	6.2
Truck	2.3	2.4	11.9
Rail	11.9	3.3	3.0
Shallow draft	23.9	.4	9.8
Great Lakes	S	S	21.4
Deep draft	18.5	.7	13.1
Air	14.0	—	2.1
Parcel, U.S. Postal Service or courier	6.0	—	5.4
Pipeline	S	S	S
Other and unknown modes	16.7	.6	12.7

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	3.1	—	3.8	—	7.7	—
Less than 50 miles	3.4	1.0	6.3	2.0	5.6	.5
50 to 99 miles	9.6	.5	4.5	.4	5.6	.2
100 to 249 miles	6.9	.4	5.8	.6	5.6	.6
250 to 499 miles	6.3	.3	6.7	.4	5.4	.7
500 to 749 miles	3.7	.1	10.7	.6	11.3	1.2
750 to 999 miles	5.6	.2	16.2	.9	15.7	1.7
1,000 to 1,499 miles	6.2	.3	13.5	.7	13.9	2.2
1,500 to 1,999 miles	5.0	.3	9.0	.2	9.1	1.1
2,000 miles or more	5.5	.6	3.2	—	3.3	.7
Single modes	4.0	—	4.0	—	8.4	—
Less than 50 miles	4.1	1.2	6.5	2.0	5.7	.5
50 to 99 miles	10.6	.5	4.4	.4	4.1	.2
100 to 249 miles	8.6	.6	5.5	.7	5.3	.6
250 to 499 miles	6.9	.3	7.2	.5	6.0	.8
500 to 749 miles	5.0	.2	11.3	.7	11.8	1.5
750 to 999 miles	8.2	.3	19.5	1.0	19.1	2.0
1,000 to 1,499 miles	8.4	.4	14.0	.6	14.3	2.0
1,500 to 1,999 miles	6.1	.3	10.3	.2	10.5	1.2
2,000 miles or more	8.0	.7	4.8	—	4.8	.6
Truck	3.8	—	4.7	—	2.1	—
Less than 50 miles	2.6	1.1	6.3	1.3	6.3	.8
50 to 99 miles	11.5	.6	4.9	.5	4.7	.3
100 to 249 miles	9.4	.6	4.0	.4	4.0	.4
250 to 499 miles	7.3	.4	5.0	.3	5.0	.6
500 to 749 miles	6.0	.3	5.6	.1	5.5	.5
750 to 999 miles	5.8	.2	8.6	.1	8.3	.6
1,000 to 1,499 miles	7.4	.4	13.1	.2	11.7	1.2
1,500 to 1,999 miles	6.0	.3	5.6	—	5.1	.6
2,000 miles or more	9.5	.5	5.8	—	5.9	.9
For-hire truck	4.3	—	6.3	—	2.5	—
Less than 50 miles	5.1	1.3	10.9	2.3	9.4	.5
50 to 99 miles	9.9	.5	7.6	.9	8.0	.3
100 to 249 miles	11.4	.9	4.1	.9	3.7	.4
250 to 499 miles	8.2	.7	5.9	.5	6.0	.6
500 to 749 miles	6.5	.4	5.3	.3	5.2	.5
750 to 999 miles	5.9	.4	4.8	.2	5.0	.5
1,000 to 1,499 miles	7.9	.6	10.2	.3	9.6	1.1
1,500 to 1,999 miles	7.1	.5	6.1	.2	5.7	.7
2,000 miles or more	11.2	.9	6.4	.2	6.6	1.2
Private truck	4.5	—	5.7	—	5.5	—
Less than 50 miles	3.2	1.4	6.7	1.2	6.7	1.7
50 to 99 miles	16.7	1.2	7.0	.6	6.6	.7
100 to 249 miles	11.7	.8	7.1	.5	7.7	1.1
250 to 499 miles	8.4	.3	10.2	.2	10.4	1.2
500 to 749 miles	9.9	.1	14.1	.1	13.1	.9
750 to 999 miles	16.4	.1	34.0	.2	32.3	1.7
1,000 to 1,499 miles	12.0	.1	S	S	49.8	2.2
1,500 to 1,999 miles	15.0	.2	11.6	—	11.9	.6
2,000 miles or more	14.3	.3	27.2	—	26.1	1.5
Rail	5.7	—	9.8	—	12.9	—
Less than 50 miles	16.6	1.0	18.5	3.0	19.6	—
50 to 99 miles	24.9	.6	22.0	1.0	23.1	.2
100 to 249 miles	15.6	1.1	18.9	1.6	16.2	.4
250 to 499 miles	8.2	.9	10.6	1.0	9.3	.7
500 to 749 miles	9.8	1.1	13.2	2.5	13.5	2.6
750 to 999 miles	6.2	.8	22.3	2.3	21.6	2.4
1,000 to 1,499 miles	7.8	.7	17.7	2.1	17.8	2.9
1,500 to 1,999 miles	6.7	1.1	16.5	.6	16.8	1.8
2,000 miles or more	11.9	.8	9.2	.1	9.1	.5
Water	19.5	—	17.0	—	20.8	—
Less than 50 miles	32.4	7.3	27.5	8.1	46.7	2.9
50 to 99 miles	40.0	.8	S	S	S	S
100 to 249 miles	39.5	3.0	36.0	5.5	37.2	6.3
250 to 499 miles	46.9	6.2	S	S	48.6	7.7
500 to 749 miles	31.5	.5	45.0	.2	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	46.9	4.0	49.9	2.1	49.3	8.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	25.5	1.0	49.0	.3	S	S
Shallow draft	18.6	—	17.7	—	30.7	—
Less than 50 miles	23.7	9.0	27.2	9.1	22.6	10.8
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	49.3	6.4	36.4	7.7	37.9	9.8
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	43.9	1.2	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	—	—	—	—	—	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	29.5	—	29.9	—	26.2	—
Less than 50 miles	43.7	9.2	37.8	11.0	S	S
50 to 99 miles	39.4	.8	S	S	S	S
100 to 249 miles	34.6	3.9	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	47.4	.4	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	46.9	7.0	49.9	8.2	49.3	9.1
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	25.5	1.6	49.0	.6	S	S
Air (includes truck and air)	16.2	—	14.2	—	14.0	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	25.8	.4	23.8	1.5	25.1	.1
100 to 249 miles	17.1	.7	S	S	39.8	.5
250 to 499 miles	14.6	1.2	19.0	1.2	19.4	.4
500 to 749 miles	19.7	.8	15.8	.7	15.9	.5
750 to 999 miles	27.4	1.2	26.6	1.6	25.9	1.2
1,000 to 1,499 miles	25.7	2.3	18.9	2.0	19.9	2.2
1,500 to 1,999 miles	21.2	2.3	17.6	1.7	16.9	2.0
2,000 miles or more	15.5	4.2	22.1	3.6	21.0	3.8
Pipeline	10.7	—	10.2	—	S	S
Less than 50 miles	15.5	6.7	14.4	6.7	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	26.2	5.7	31.3	5.5	S	S
250 to 499 miles	49.5	1.9	42.1	3.0	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	2.8	—	20.7	—	20.0	—
Less than 50 miles	5.6	.9	32.9	2.2	28.9	—
50 to 99 miles	8.4	.4	S	S	S	S
100 to 249 miles	5.3	.4	23.8	2.3	32.3	.6
250 to 499 miles	7.2	.7	35.7	1.0	46.1	.5
500 to 749 miles	5.9	.4	39.6	1.0	41.8	1.0
750 to 999 miles	8.4	.5	37.0	7.1	36.7	7.0
1,000 to 1,499 miles	6.9	.5	35.5	4.6	38.3	5.9
1,500 to 1,999 miles	7.3	1.1	11.7	1.8	13.0	3.3
2,000 miles or more	4.7	.8	7.4	2.4	7.6	5.2
Parcel, U.S. Postal Service or courier	3.2	—	4.5	—	6.0	—
Less than 50 miles	5.5	.9	9.6	1.4	7.6	—
50 to 99 miles	8.8	.4	9.2	.5	9.2	—
100 to 249 miles	5.6	.4	7.0	.7	6.7	.2
250 to 499 miles	7.1	.7	8.9	.8	8.2	.3
500 to 749 miles	6.0	.4	7.3	.3	7.5	.3
750 to 999 miles	9.3	.5	10.1	.5	9.8	.4
1,000 to 1,499 miles	7.3	.5	8.8	.6	8.6	.7
1,500 to 1,999 miles	5.5	.7	13.6	1.5	13.3	2.2
2,000 miles or more	4.9	.8	7.7	1.0	7.3	1.8
Truck and rail	21.9	—	S	S	46.7	—
Less than 50 miles	28.2	1.1	36.9	3.1	32.9	.2
50 to 99 miles	46.1	.6	S	S	S	S
100 to 249 miles	25.4	.9	37.6	1.5	35.0	.4
250 to 499 miles	34.5	1.9	S	S	S	S
500 to 749 miles	15.8	1.4	S	S	S	S
750 to 999 miles	19.5	2.2	12.7	1.9	12.3	1.4
1,000 to 1,499 miles	25.3	2.1	S	S	S	S
1,500 to 1,999 miles	42.7	5.7	16.6	3.6	16.3	4.0
2,000 miles or more	13.6	3.5	13.1	3.7	13.2	5.2
Truck and water	15.4	—	19.0	—	15.5	—
Less than 50 miles	S	S	35.8	1.4	36.6	—
50 to 99 miles	22.6	1.5	27.2	2.2	28.3	.4
100 to 249 miles	18.7	3.0	48.1	5.4	S	S
250 to 499 miles	S	S	47.3	2.7	43.7	1.5
500 to 749 miles	40.1	1.1	48.9	.7	S	S
750 to 999 miles	23.4	.7	33.2	.9	33.0	.9
1,000 to 1,499 miles	17.0	1.1	21.6	1.7	21.5	1.4
1,500 to 1,999 miles	38.2	3.9	23.7	1.2	48.5	3.4
2,000 miles or more	13.8	4.4	14.0	4.7	13.8	4.2

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	23.8	—	29.3	—	28.3	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	32.3	8.5	39.2	9.6	38.7	9.2
1,000 to 1,499 miles	30.2	8.4	37.8	8.7	37.6	8.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	S	S	S	S	29.6	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	39.3	10.9	42.8	11.4	43.4	10.8
Other and unknown modes	4.9	—	13.5	—	16.7	—
Less than 50 miles	6.0	2.5	15.9	4.7	20.1	1.6
50 to 99 miles	12.1	.5	S	S	S	S
100 to 249 miles	38.8	2.0	27.0	1.2	27.6	.8
250 to 499 miles	19.6	1.2	48.6	1.6	46.0	2.7
500 to 749 miles	17.0	.6	36.6	1.6	36.6	1.8
750 to 999 miles	15.7	.8	45.6	.4	48.6	1.5
1,000 to 1,499 miles	12.8	.9	36.5	1.3	38.4	3.8
1,500 to 1,999 miles	19.6	1.4	24.5	.6	24.2	2.2
2,000 miles or more	19.4	1.0	17.2	.7	17.2	3.7

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	3.1	—	3.8	—	7.7	—	6.2
Less than 50 lb	3.1	.6	7.4	—	4.9	—	6.9
50 to 99 lb	4.5	.3	3.9	—	5.9	—	5.6
100 to 499 lb	3.0	.4	3.1	—	3.5	—	4.0
500 to 749 lb	4.8	.2	3.3	—	7.0	—	5.9
750 to 999 lb	4.8	.1	3.4	—	5.8	—	6.5
1,000 to 9,999 lb	3.9	.6	2.5	.2	9.7	.3	8.1
10,000 to 49,999 lb	7.5	1.1	5.2	1.3	2.2	1.7	5.5
50,000 to 99,999 lb	8.0	.3	5.6	.8	5.0	.6	5.6
100,000 lb or more	10.0	.7	6.5	1.6	10.8	2.6	5.2
Single modes	4.0	—	4.0	—	8.4	—	9.7
Less than 50 lb	5.8	.3	14.7	—	13.6	—	14.3
50 to 99 lb	7.9	.3	4.9	—	10.6	—	11.5
100 to 499 lb	3.9	.5	3.4	—	4.1	—	5.9
500 to 749 lb	5.0	.2	3.3	—	5.7	—	5.4
750 to 999 lb	5.5	.1	3.9	—	5.3	—	6.3
1,000 to 9,999 lb	4.3	.7	2.7	.2	7.0	.3	6.5
10,000 to 49,999 lb	7.9	1.3	5.4	1.3	2.7	1.8	5.9
50,000 to 99,999 lb	8.2	.4	5.6	.9	5.2	.6	5.5
100,000 lb or more	11.2	.9	7.0	1.7	11.9	2.8	5.5
Truck	3.8	—	4.7	—	2.1	—	12.2
Less than 50 lb	3.1	.2	15.4	—	19.1	—	23.2
50 to 99 lb	5.3	.2	5.1	—	9.2	—	10.0
100 to 499 lb	2.8	.5	3.5	—	3.2	—	5.2
500 to 749 lb	4.5	.2	3.3	—	5.8	—	5.8
750 to 999 lb	5.0	.1	3.9	—	5.3	—	6.2
1,000 to 9,999 lb	4.5	.9	2.7	.3	7.2	.9	6.9
10,000 to 49,999 lb	8.0	1.3	5.4	1.5	2.9	.9	6.1
50,000 to 99,999 lb	5.8	.4	5.7	1.1	5.2	.8	5.5
100,000 lb or more	13.5	.3	17.3	1.4	11.4	.9	8.4
For-hire truck	4.3	—	6.3	—	2.5	—	6.2
Less than 50 lb	7.2	.2	12.6	—	28.2	—	7.7
50 to 99 lb	12.9	.4	6.3	—	13.1	—	6.9
100 to 499 lb	6.4	.8	4.2	—	4.4	—	3.9
500 to 749 lb	7.5	.3	5.5	—	7.5	—	4.9
750 to 999 lb	9.2	.3	9.6	—	6.6	—	7.3
1,000 to 9,999 lb	7.8	1.2	4.4	.4	10.3	1.3	5.9
10,000 to 49,999 lb	6.2	1.2	5.6	1.2	3.4	1.0	4.4
50,000 to 99,999 lb	4.7	.4	9.5	1.6	4.7	.7	8.0
100,000 lb or more	18.4	.6	12.7	1.4	14.3	1.0	12.4
Private truck	4.5	—	5.7	—	5.5	—	7.5
Less than 50 lb	3.4	.3	17.3	—	13.4	—	14.9
50 to 99 lb	3.0	.2	5.6	—	12.9	—	13.8
100 to 499 lb	3.7	.7	4.1	.1	5.3	.1	6.7
500 to 749 lb	4.3	.3	4.1	—	5.8	—	5.8
750 to 999 lb	5.7	.2	4.8	—	6.3	—	5.3
1,000 to 9,999 lb	5.9	1.4	3.8	.5	4.9	.7	3.6
10,000 to 49,999 lb	12.6	2.2	7.8	1.7	6.9	1.9	7.9
50,000 to 99,999 lb	8.9	.6	8.9	1.6	12.4	2.3	10.3
100,000 lb or more	11.0	.2	12.7	1.3	13.3	.8	17.5
Rail	5.7	—	9.8	—	12.9	—	3.1
Less than 50 lb	S	S	49.1	—	S	S	35.6
50 to 99 lb	S	S	S	S	S	S	22.1
100 to 499 lb	S	S	26.8	—	38.5	—	15.2
500 to 749 lb	S	S	S	S	S	S	35.3
750 to 999 lb	S	S	35.1	—	35.6	—	19.8
1,000 to 9,999 lb	31.8	.3	20.6	—	22.5	—	4.3
10,000 to 49,999 lb	10.2	1.0	8.7	.1	9.3	.3	3.6
50,000 to 99,999 lb	11.7	.4	21.6	.2	10.3	.1	18.4
100,000 lb or more	6.2	1.0	9.9	.2	13.1	.3	2.8
Water	19.5	—	17.0	—	20.8	—	20.9
Less than 50 lb	S	S	39.1	—	S	S	25.5
50 to 99 lb	34.9	.1	29.6	—	25.9	—	35.3
100 to 499 lb	S	S	37.3	—	49.6	—	13.9
500 to 749 lb	S	S	34.3	—	48.9	—	28.8
750 to 999 lb	33.7	—	34.9	—	45.3	—	17.4
1,000 to 9,999 lb	16.4	1.2	S	S	27.6	.2	S
10,000 to 49,999 lb	23.0	2.6	41.8	2.8	S	S	39.7
50,000 to 99,999 lb	35.7	.3	43.6	.1	43.8	1.0	22.8
100,000 lb or more	21.7	3.4	17.6	3.5	23.8	5.1	22.0
Shallow draft	18.6	—	17.7	—	30.7	—	12.1
Less than 50 lb	S	S	46.1	—	S	S	28.0
50 to 99 lb	S	S	S	S	S	S	20.2
100 to 499 lb	S	S	S	S	S	S	19.8
500 to 749 lb	S	S	S	S	S	S	20.2
750 to 999 lb	S	S	S	S	S	S	24.0
1,000 to 9,999 lb	S	S	S	S	S	S	21.4
10,000 to 49,999 lb	S	S	36.6	.3	S	S	21.0
50,000 to 99,999 lb	S	S	43.2	—	46.8	—	24.8
100,000 lb or more	20.3	4.6	17.7	.3	30.8	.4	14.3

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	—	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Deep draft	29.5	—	29.9	—	26.2	—	19.8
Less than 50 lb	S	S	39.8	—	S	S	24.2
50 to 99 lb	44.0	.2	33.1	—	29.4	—	46.5
100 to 499 lb	S	S	36.0	.2	49.8	.4	14.2
500 to 749 lb	S	S	39.6	.2	S	S	19.7
750 to 999 lb	38.8	.4	35.3	.2	45.5	.5	17.3
1,000 to 9,999 lb	17.5	4.5	S	S	28.7	3.9	S
10,000 to 49,999 lb	27.2	4.3	43.1	5.2	S	S	39.4
50,000 to 99,999 lb	39.9	.5	45.6	1.3	44.1	3.0	22.8
100,000 lb or more	34.2	7.4	31.2	7.8	30.8	10.0	28.3
Air (includes truck and air)	16.2	—	14.2	—	14.0	—	2.0
Less than 50 lb	13.8	3.6	11.3	1.4	12.1	1.3	2.4
50 to 99 lb	27.4	2.3	16.4	.7	19.1	1.0	3.7
100 to 499 lb	14.3	2.4	14.9	2.5	15.9	2.7	3.5
500 to 749 lb	13.4	1.1	20.7	1.0	16.8	.9	7.3
750 to 999 lb	25.3	.4	19.3	.6	18.5	.6	9.4
1,000 to 9,999 lb	16.1	2.1	22.6	2.4	27.2	3.6	4.1
10,000 to 49,999 lb	48.3	1.5	23.5	2.3	26.0	2.7	7.0
50,000 to 99,999 lb	42.7	1.2	S	S	30.6	1.3	47.8
100,000 lb or more	42.5	5.6	39.3	3.8	47.7	4.5	14.5
Pipeline	10.7	—	10.2	—	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	S	S	S
1,000 to 9,999 lb	49.1	.2	46.7	—	S	S	S
10,000 to 49,999 lb	40.0	.2	41.5	.1	S	S	S
50,000 to 99,999 lb	28.9	.1	30.4	.1	S	S	S
100,000 lb or more	10.7	.3	10.3	.2	S	S	S
Multiple modes	2.8	—	20.7	—	20.0	—	5.4
Less than 50 lb	4.0	1.1	4.1	1.4	3.8	1.4	5.6
50 to 99 lb	5.4	.7	6.5	.7	6.9	.5	4.5
100 to 499 lb	4.3	.6	5.3	1.3	7.4	1.0	3.5
500 to 749 lb	14.7	.5	12.1	.4	21.4	.3	8.4
750 to 999 lb	10.4	.1	17.8	.2	23.6	.3	7.2
1,000 to 9,999 lb	42.6	.9	19.0	.4	18.2	.6	6.4
10,000 to 49,999 lb	16.3	.5	7.0	3.8	9.9	5.2	5.2
50,000 to 99,999 lb	16.6	—	32.7	1.3	21.3	.5	37.3
100,000 lb or more	26.3	.2	27.0	8.3	26.3	8.7	10.7
Parcel, U.S. Postal Service or courier	3.2	—	4.5	—	6.0	—	5.4
Less than 50 lb	4.0	1.1	4.1	1.6	3.7	2.0	5.6
50 to 99 lb	5.5	.7	6.6	.6	7.0	.8	4.5
100 to 499 lb	4.4	.6	5.5	1.0	7.6	1.3	3.6
500 to 749 lb	15.3	.5	12.7	.7	22.4	1.1	9.0
750 to 999 lb	10.8	.2	20.4	.6	26.9	1.0	7.9
1,000 to 9,999 lb	S	S	S	S	S	S	19.1
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	21.9	—	S	S	46.7	—	5.2
Less than 50 lb	S	S	S	S	S	S	19.2
50 to 99 lb	S	S	S	S	S	S	19.7
100 to 499 lb	31.9	.1	30.6	—	35.2	—	11.6
500 to 749 lb	29.5	—	31.9	—	41.6	—	17.1
750 to 999 lb	35.2	—	38.8	—	44.2	—	15.5
1,000 to 9,999 lb	S	S	17.7	.2	17.1	.2	6.7
10,000 to 49,999 lb	20.6	5.0	10.8	9.4	13.2	8.3	4.5
50,000 to 99,999 lb	17.8	1.0	30.6	2.5	19.5	.8	37.8
100,000 lb or more	22.9	2.4	S	S	S	S	10.5
Truck and water	15.4	—	19.0	—	15.5	—	10.2
Less than 50 lb	34.6	.8	31.8	—	S	S	14.8
50 to 99 lb	39.8	.9	42.8	—	S	S	15.9
100 to 499 lb	27.2	1.2	24.3	.4	16.6	.2	25.2
500 to 749 lb	34.5	1.1	21.9	.2	26.0	.2	14.3
750 to 999 lb	37.7	.7	21.9	.2	30.4	.3	13.5
1,000 to 9,999 lb	32.5	4.3	12.5	1.6	14.4	1.7	8.6
10,000 to 49,999 lb	12.9	4.4	11.5	5.3	13.4	3.9	7.7
50,000 to 99,999 lb	41.9	1.4	S	S	41.0	2.2	48.3
100,000 lb or more	33.4	.9	40.5	4.1	47.4	4.1	16.3

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	23.8	—	29.3	—	28.3	—	12.2
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	24.8	3.7	29.4	2.9	28.4	2.9	12.8
Other multiple modes	S	S	S	S	29.6	—	S
Less than 50 lb	S	S	S	S	S	S	26.4
50 to 99 lb	S	S	S	S	S	S	23.0
100 to 499 lb	S	S	40.0	7.3	S	S	26.4
500 to 749 lb	S	S	S	S	S	S	21.5
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	44.1	.6	49.8	.6	S	S	S
10,000 to 49,999 lb	28.4	12.8	31.0	13.4	39.7	9.9	25.6
50,000 to 99,999 lb	S	S	S	S	S	S	21.1
100,000 lb or more	S	S	S	S	44.5	8.9	48.4
Other and unknown modes	4.9	—	13.5	—	16.7	—	12.7
Less than 50 lb	7.5	1.0	7.2	—	20.5	—	17.5
50 to 99 lb	20.5	.7	16.4	—	25.4	—	18.9
100 to 499 lb	16.4	1.1	13.1	.2	19.6	—	39.1
500 to 749 lb	33.7	.7	22.9	—	S	S	20.3
750 to 999 lb	13.1	.1	20.6	—	20.8	—	22.9
1,000 to 9,999 lb	12.1	2.4	22.1	1.9	37.4	4.2	10.3
10,000 to 49,999 lb	10.0	2.4	15.0	3.0	20.6	3.5	9.0
50,000 to 99,999 lb	27.3	.7	34.4	1.5	27.2	2.3	30.0
100,000 lb or more	14.6	2.3	17.1	5.0	21.3	5.1	17.3

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	3.1	—	3.8	—	7.7	—	6.2
01	Live animals and live fish	S	S	S	S	S	S	17.0
02	Cereal grains	13.4	.1	14.8	.5	12.4	.2	16.1
03	Other agricultural products	7.9	.2	9.9	.2	12.3	.4	30.2
04	Animal feed and products of animal origin, n.e.c.	12.2	—	11.8	.2	12.3	.2	29.3
05	Meat, fish, seafood, and their preparations	8.6	.3	14.5	.1	14.3	.2	28.7
06	Milled grain products and preparations, and bakery products	10.5	.2	16.4	.1	16.7	.2	39.7
07	Other prepared foodstuffs and fats and oils	3.9	.2	9.4	.4	5.4	.4	25.3
08	Alcoholic beverages	8.8	.2	11.4	.1	24.4	.5	22.8
09	Tobacco products	15.7	—	27.0	—	31.3	—	16.9
10	Monumental or building stone	47.2	—	39.0	—	41.8	—	S
11	Natural sands	15.7	—	18.0	.4	16.3	—	25.3
12	Gravel and crushed stone	10.5	—	11.6	1.3	12.9	.3	15.8
13	Nonmetallic minerals n.e.c.	32.4	—	18.7	.2	23.8	.3	17.9
14	Metallic ores and concentrates	12.2	—	29.4	.1	18.6	—	25.4
15	Coal	5.4	—	10.1	1.7	15.3	3.9	S
17	Gasoline and aviation turbine fuel	9.3	.3	9.2	.8	25.0	.7	19.9
18	Fuel oils	7.9	.1	10.7	.4	20.9	.3	17.1
19	Coal and petroleum products, n.e.c.	10.8	—	14.2	.6	43.0	1.2	25.4
20	Basic chemicals	8.4	—	18.1	.4	18.9	.5	14.0
21	Pharmaceutical products	8.1	.2	14.9	—	18.4	—	10.2
22	Fertilizers	8.5	—	23.1	.3	26.5	.3	8.2
23	Chemical products and preparations, n.e.c.	6.5	.2	11.6	—	15.4	.2	10.4
24	Plastics and rubber	4.4	.1	7.6	—	9.2	—	10.2
25	Logs and other wood in the rough	8.7	—	20.0	.7	15.4	.3	15.4
26	Wood products	4.8	.2	11.0	.5	6.1	.5	7.8
27	Pulp, newsprint, paper, and paperboard	6.3	—	6.9	—	8.4	.2	18.1
28	Paper or paperboard articles	5.2	—	23.5	.2	10.8	—	14.2
29	Printed products	4.0	.1	9.0	—	18.4	—	13.6
30	Textiles, leather, and articles of textiles or leather	10.2	.5	10.1	—	9.3	—	3.8
31	Nonmetallic mineral products	5.2	—	7.4	.5	8.3	.2	15.1
32	Base metal in primary or semifinished forms and in finished basic shapes	6.9	.2	9.8	.2	9.9	.3	14.9
33	Articles of base metal	7.4	.2	10.8	—	12.3	.2	11.4
34	Machinery	6.0	.3	13.8	—	24.6	.1	8.5
35	Electronic and other electrical equipment and components and office equipment	8.0	1.1	13.3	—	25.6	.2	5.7
36	Motorized and other vehicles (including parts)	9.1	.4	12.8	—	16.1	.1	9.4
37	Transportation equipment, n.e.c.	22.1	1.0	22.0	—	18.3	—	10.8
38	Precision instruments and apparatus	9.3	.3	13.9	—	14.7	—	4.4
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	11.9	.1	11.8	—	14.3	—	11.1
40	Miscellaneous manufactured products	23.2	1.3	20.9	.1	36.2	.3	5.0
41	Waste and scrap	11.9	—	15.0	.3	18.7	.4	23.6
43	Mixed freight	26.0	.9	32.3	.4	32.3	.2	16.7
—	Commodity unknown	18.5	.1	34.0	.1	24.7	—	15.2

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	3.1	—	3.8	—	7.7	—	6.2
010	Live animals and live fish	S	S	S	S	S	S	17.0
021	Wheat	16.4	—	16.4	.3	13.7	.2	27.2
022	Corn, except sweet	32.8	.1	33.1	.4	36.4	—	17.1
029	Other cereal grains	31.3	—	42.8	.1	42.0	.1	39.6
031	Fresh or chilled potatoes (Irish potatoes), except sweet	29.2	—	30.5	—	48.8	.2	S
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	12.0	—	18.0	—	26.3	.3	44.2
033	Fresh, chilled, or dried edible fruit and nuts	12.5	.1	10.7	—	14.2	.3	25.4
034	Soya beans	S	S	S	S	41.6	—	S
035	Oil seeds and nuts, except olives and soya beans	47.5	—	39.0	—	42.6	—	19.3
036	Bulbs, live plants, and seeds for sowing, n.e.c.	17.8	—	17.8	—	19.0	—	16.9
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	22.2	—	19.3	—	25.9	.1	43.4
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	12.5	—	18.7	.1	14.5	—	30.7
042	Animal feed preparations	15.8	—	16.0	.2	17.3	.1	30.6
051	Meat including poultry, except preparations	7.2	.1	16.3	—	12.7	—	36.5
052	Fish, except live, and seafood, except preparations	19.4	.2	18.1	—	27.8	.1	29.4
053	Preparations, extracts, and juices of meat, fish, or seafood	28.8	—	32.6	—	37.7	—	48.8
061	Wheat flour, groats, and meal	38.8	—	45.0	.1	33.2	—	26.4
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	22.5	—	29.2	—	30.6	.1	S
063	Food preparations of cereals, flour, starch, or milk	15.3	—	18.8	—	22.3	—	25.9
064	Bakery products	14.8	.1	22.4	—	15.4	—	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	7.0	.1	14.5	.2	12.7	—	24.5
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	8.5	.1	8.8	—	9.7	.2	11.0
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	18.8	—	18.5	—	21.8	—	22.9
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	24.6	—	28.0	—	32.2	—	24.0
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	13.0	—	13.3	—	17.4	—	15.1
076	Confectionery, cocoa, and cocoa preparations	11.0	—	13.0	—	21.5	—	28.9
077	Edible preparations, n.e.c. and vinegar	16.0	—	9.8	—	15.4	—	13.4
078	Nonalcoholic beverages, n.e.c. and ice	9.6	—	23.1	.3	27.4	.1	S
081	Malt Beer	9.4	—	14.0	.1	33.9	.4	9.2
082	Wine and other fermented beverages	16.8	.1	20.9	—	35.9	.2	16.8
083	Spirituos beverages and ethyl alcohol	15.0	—	25.3	—	S	S	21.2
090	Tobacco products	15.7	—	27.0	—	31.3	—	16.9
100	Monumental or building stone, except dolomite	47.2	—	39.0	—	41.8	—	S
110	Natural sands, except metal-bearing	15.7	—	18.0	.4	16.3	—	25.3
120	Gravel and crushed stone, except dolomite and slate	10.5	—	11.6	1.3	12.9	.3	15.8
131	Salt	S	S	S	S	S	S	20.8
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	S
133	Dolomite	46.8	—	45.7	—	49.7	—	24.2
139	Other nonmetallic minerals	16.5	—	13.6	—	18.9	.2	20.3
141	Iron ores and concentrates	45.8	—	S	S	S	S	37.0
149	Other metallic ores and concentrates	12.2	—	29.7	.1	18.7	—	23.0
151	Nonagglomerated bituminous coal	5.4	—	10.1	1.7	15.3	.3	S
159	Other coal	S	S	S	S	S	S	22.8
171	Gasoline	9.6	.3	9.8	.7	26.4	.7	22.7
172	Aviation turbine fuel (types A and B)	13.7	—	13.8	.2	29.1	—	28.9
180	Fuel oils	7.9	.1	10.7	.4	20.9	.3	17.1
191	Lubricating oils and greases	27.4	—	47.0	.1	S	S	49.4
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	36.6	—	43.6	.1	35.4	—	25.8
193	Gaseous hydrocarbons	12.2	—	11.5	—	18.8	—	S
199	Other products of petroleum refining, and coal products	14.6	—	18.2	.7	49.4	1.2	21.2
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	20.3	—	30.4	—	49.0	—	20.5
202	Inorganic chemicals, n.e.c.	12.3	—	19.9	.4	20.1	.5	25.8
203	Cyclic hydrocarbons	37.6	—	36.9	—	S	S	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	17.2	—	13.0	—	28.8	—	18.2
205	Organic chemicals, n.e.c.	18.1	—	14.3	—	21.6	—	11.2
210	Pharmaceutical products	8.1	.2	14.9	—	18.4	—	10.2
220	Fertilizers and fertilizer materials	8.5	—	23.1	.3	26.5	.3	8.2
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	16.8	—	16.3	—	17.8	—	27.4
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	16.3	.1	13.7	—	14.8	—	24.9
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	27.5	—	28.1	—	31.8	.1	16.4
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	20.2	.1	22.3	—	29.8	—	14.8
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	13.9	—	12.4	—	33.2	—	12.1
239	Other chemical products and preparations	32.7	.1	22.7	—	34.7	.2	18.9
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	13.6	—	22.2	—	29.3	—	22.7
242	Manmade fibers and plastics basic shapes and articles	5.6	.1	7.3	—	10.8	—	12.0

See footnotes at end of table.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	16.1	—	22.1	—	17.2	—	13.4
250	Logs and other wood in the rough	8.7	—	20.0	.7	15.4	.3	15.4
261	Wood chips or particles	43.6	—	36.0	.4	31.8	.2	S
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	6.2	.1	7.8	.2	5.8	.2	7.0
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	8.1	—	10.5	.1	10.9	.2	9.1
264	Builders' joinery and carpentry of wood, except shingles and shakes	12.0	—	15.9	—	16.3	—	17.5
269	Other wood products	13.5	—	26.9	—	26.0	—	13.1
271	Pulp of fibrous cellulosic materials	16.9	—	14.4	—	22.2	—	19.1
272	Newsprint in large rolls or sheets	24.1	—	25.6	—	26.2	.1	30.9
273	Uncoated paper and paperboard in large rolls or sheets	10.1	—	10.9	—	13.6	.2	10.6
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	14.3	—	17.0	—	18.7	—	26.8
280	Paper or paperboard articles	5.2	—	23.5	.2	10.8	—	14.2
291	Printed books, brochures, leaflets, and similar printed products	9.7	—	12.6	—	12.8	—	7.2
292	Newspapers, journals, and periodicals	6.9	—	11.1	—	33.7	—	19.3
293	Advertising material, commercial or trade catalogues, and similar printed products	11.8	—	17.1	—	38.2	—	8.9
299	Other printed products	8.2	—	9.5	—	12.1	—	12.5
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	11.6	—	17.2	—	16.9	—	10.4
302	Textile clothing and accessories, and headgear, except safety	16.5	.5	12.3	—	16.8	—	3.7
303	Textiles and textile articles, n.e.c.	7.8	—	19.8	—	16.0	—	7.7
304	Footwear	39.6	.1	42.5	—	S	S	6.7
305	Leather and articles, luggage of related materials, and dressed furskins and articles	18.5	—	32.1	—	38.1	—	7.1
311	Hydraulic cements	11.0	—	12.2	.2	14.5	.1	7.7
312	Ceramic products	15.4	—	25.6	—	31.1	—	13.4
313	Glass and glass products	11.9	—	19.2	—	15.8	—	19.7
319	Other nonmetallic mineral products	8.9	—	9.2	.5	11.2	.2	17.3
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	17.8	—	20.0	—	19.3	—	31.9
322	Flat-rolled products of iron or steel	17.2	.1	22.8	.1	17.1	—	17.4
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	22.4	.2	12.0	—	26.1	.2	17.7
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	8.6	.1	9.2	—	12.3	.1	12.7
331	Pipes, tubes, and fittings	8.7	—	11.9	—	20.2	—	11.0
332	Structures and parts, except prefabricated buildings	15.9	—	15.3	—	26.1	.1	13.6
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	11.8	—	11.8	—	19.5	—	12.8
339	Other articles of metal	12.3	—	19.5	—	22.7	—	14.0
341	Internal-combustion piston engines	11.2	—	21.2	—	21.9	—	14.8
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	42.4	.1	13.2	—	30.3	—	15.2
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	12.1	—	14.3	—	18.1	—	12.5
344	Air-conditioning, refrigerating, or freezing equipment	15.7	—	14.2	—	22.6	—	30.5
345	Materials-handling, excavating, boring, and related machinery and equipment	14.2	—	13.1	—	18.1	—	18.1
349	Other machinery	7.6	.2	25.8	—	39.1	.1	12.1
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	20.3	—	17.9	—	26.5	—	17.8
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	25.5	—	24.6	—	23.6	—	17.8
353	Line telephone or telegraph apparatus	46.7	.7	45.0	—	47.1	—	9.3
354	Electronic entertainment products, except parts	33.5	.5	49.0	—	S	S	4.9
355	Computer and office equipment	12.6	.8	13.7	—	12.5	—	4.9
356	Prepared unrecorded or prerecorded media	13.6	.1	21.4	—	30.6	—	5.1
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	18.5	—	27.4	—	29.8	—	11.7
358	Electronic components and parts	7.5	.4	13.0	—	20.5	—	6.3
359	Other electronic and electrical equipment	7.7	.3	16.9	—	19.3	—	12.1
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	39.9	.2	36.5	—	42.4	—	20.3
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	29.4	.1	38.0	—	29.9	—	S
363	Other vehicles	20.4	.1	15.3	—	28.2	—	11.6
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	10.6	.2	15.7	—	22.7	—	10.9
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	36.5	—	41.1	—	S	S	16.5
372	Aircraft and spacecraft	23.1	1.0	14.3	—	17.3	—	10.7
373	Ships, boats, and floating structures	15.1	—	19.1	—	18.6	—	15.8
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	25.6	—	19.4	—	26.5	—	8.2
382	Photographic and photocopying machines	24.3	.1	32.7	—	31.4	—	11.2
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	21.2	—	28.5	—	28.9	—	11.0
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	17.9	.2	22.2	—	25.1	—	6.0

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	12.9	.2	17.4	—	25.3	—	7.2
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	11.9	.1	11.8	—	14.3	—	11.1
401	Arms and ammunition	21.2	—	30.5	—	32.1	—	12.8
402	Toys, games, and sporting equipment	S	S	S	S	29.9	—	4.7
409	Miscellaneous manufactured products	8.9	.4	19.4	.1	43.2	.3	6.3
411	Metallic waste and scrap	14.4	—	24.9	.3	33.3	.2	23.3
412	Nonmetallic waste and scrap, except from food processing	25.8	—	20.6	.2	25.4	.3	42.8
439	Mixed freight	26.0	.9	32.3	.4	32.3	.2	16.7
—	Commodity unknown	18.5	.1	34.0	.1	24.7	—	15.2

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	3.1	—	3.8	—	7.7	—	6.2
Single modes	4.0	.8	4.0	1.0	8.4	1.8	9.7
Truck	3.8	1.0	4.7	1.5	2.1	2.5	12.2
For-hire truck	4.3	.8	6.3	1.4	2.5	1.6	6.2
Private truck	4.5	.9	5.7	1.4	5.5	.9	7.5
Rail	5.7	.2	9.8	1.8	12.9	3.4	3.1
Water	19.5	.2	17.0	.5	20.8	.7	20.9
Shallow draft	18.6	—	17.7	.2	30.7	.2	12.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	29.5	.2	29.9	.5	26.2	.7	19.8
Air (includes truck and air)	16.2	1.0	14.2	—	14.0	—	2.0
Pipeline	10.7	.2	10.2	.5	S	S	S
Multiple modes	2.8	.6	20.7	.6	20.0	1.8	5.4
Parcel, U.S. Postal Service or courier	3.2	.6	4.5	—	6.0	—	5.4
Truck and rail	21.9	.1	S	S	46.7	1.1	5.2
Truck and water	15.4	—	19.0	—	15.5	.2	10.2
Rail and water	23.8	—	29.3	.4	28.3	1.6	12.2
Other multiple modes	S	S	S	S	29.6	—	S
Other and unknown modes	4.9	.3	13.5	.7	16.7	.6	12.7
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	S	S	S	S	S	S	17.0
Single modes	S	S	44.4	13.3	S	S	17.3
Truck	42.8	8.0	49.9	12.0	S	S	S
For-hire truck	S	S	S	S	S	S	21.9
Private truck	S	S	S	S	48.1	12.9	S
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	18.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	22.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	22.4
SCTG 02, CEREAL GRAINS							
Total	13.4	—	14.8	—	12.4	—	16.1
Single modes	12.7	6.0	13.2	6.3	14.2	3.5	11.7
Truck	13.7	4.5	15.2	4.4	19.7	3.5	10.7
For-hire truck	17.1	3.0	16.5	3.1	21.3	3.3	23.8
Private truck	18.1	2.2	24.2	2.3	S	S	17.4
Rail	19.0	2.1	19.2	2.3	20.9	5.9	13.7
Water	22.3	6.1	22.4	6.2	41.1	6.3	14.5
Shallow draft	28.2	5.5	28.7	5.7	41.3	6.3	13.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	44.3	4.1	46.7	4.3	41.1	—	29.8
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	45.0	1.7	49.9	1.6	39.1	3.2	19.9
Parcel, U.S. Postal Service or courier	S	S	49.9	—	S	S	18.2
Truck and rail	44.4	.6	S	S	47.3	2.2	20.7
Truck and water	S	S	S	S	S	S	39.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	29.2	6.6	30.0	6.8	39.5	2.6	S

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	7.9	—	9.9	—	12.3	—	30.2
Single modes	8.6	1.2	10.5	2.3	10.9	2.3	37.2
Truck	8.5	1.6	10.5	2.8	12.0	2.6	35.2
For-hire truck	11.4	4.1	15.3	4.4	16.4	4.1	8.5
Private truck	14.3	4.0	16.2	4.1	27.0	4.7	34.8
Rail	19.8	.4	24.1	.6	23.2	1.9	5.2
Water	S	S	S	S	S	S	34.1
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	33.7
Air (includes truck and air)	29.7	.3	49.4	.2	S	S	12.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	16.2	.5	19.2	.4	21.5	1.9	6.1
Parcel, U.S. Postal Service or courier	30.4	.3	42.8	—	S	S	7.5
Truck and rail	27.7	.5	23.5	.4	26.4	1.8	8.4
Truck and water	33.6	.2	38.9	.1	37.9	.5	18.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	16.2	1.1	25.3	2.3	35.5	2.2	16.8
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	12.2	—	11.8	—	12.3	—	29.3
Single modes	11.5	2.2	12.2	1.6	14.3	4.1	29.5
Truck	12.0	2.4	12.8	2.3	16.3	5.3	29.9
For-hire truck	14.3	4.2	17.3	4.3	19.9	5.1	13.5
Private truck	18.3	4.6	17.3	4.7	18.5	3.0	15.3
Rail	29.2	1.0	25.9	1.5	23.1	2.8	18.0
Water	S	S	S	S	S	S	39.0
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	39.0
Air (includes truck and air)	S	S	S	S	S	S	21.0
Pipeline	48.2	—	42.5	—	S	S	S
Multiple modes	43.6	1.3	35.6	.5	37.4	2.7	13.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	15.8
Truck and rail	34.4	.9	39.0	.3	40.6	1.0	17.9
Truck and water	S	S	S	S	S	S	19.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	S	S	28.4	1.6	35.6	3.8	S
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	8.6	—	14.5	—	14.3	—	28.7
Single modes	8.8	.9	14.7	.6	13.9	2.2	24.5
Truck	9.0	1.4	13.8	1.1	12.1	4.0	11.1
For-hire truck	13.0	3.4	11.8	3.7	13.8	4.6	11.3
Private truck	11.2	3.8	19.9	3.7	13.4	3.5	7.5
Rail	S	S	S	S	S	S	21.0
Water	31.1	.6	45.3	.6	S	S	15.8
Shallow draft	S	S	46.7	.3	S	S	23.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	37.4	.6	S	S	S	S	13.5
Air (includes truck and air)	21.1	.2	25.4	.1	44.0	.5	14.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	25.8	.4	33.2	.3	48.1	1.3	15.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.1
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	29.0	.2	39.1	.3	S	S	21.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	26.2	.9	27.0	.6	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	10.5	—	16.4	—	16.7	—	39.7
Single modes	10.7	.6	16.7	.7	17.1	2.1	36.7
Truck	10.8	.8	16.5	1.3	13.7	4.0	37.5
For-hire truck	18.1	4.0	27.6	4.3	14.9	4.6	36.8
Private truck	14.7	4.4	17.6	4.8	21.7	3.4	27.9
Rail	32.6	.6	37.3	1.1	37.3	4.0	11.9
Water	43.5	.1	S	S	46.7	.4	20.0
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	43.5	.1	S	S	46.7	.4	20.0
Air (includes truck and air)	42.1	—	49.1	—	S	S	27.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	19.8	.3	20.1	.4	25.6	2.2	16.3
Parcel, U.S. Postal Service or courier	43.1	.1	42.4	—	48.8	.1	15.4
Truck and rail	28.9	.3	24.4	.3	33.4	1.2	14.3
Truck and water	21.7	—	28.4	.2	31.4	1.2	28.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	29.5	.6	25.7	.5	29.0	.4	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	3.9	—	9.4	—	5.4	—	25.3
Single modes	4.3	1.4	9.6	.6	5.5	1.9	31.0
Truck	4.8	1.6	10.4	1.5	7.1	2.8	33.4
For-hire truck	6.0	1.7	12.4	2.9	9.8	3.1	9.4
Private truck	6.1	2.2	14.5	3.3	12.3	2.0	16.5
Rail	10.5	.7	11.1	.9	10.8	2.7	3.3
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	29.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	33.8	—	25.4	—	31.2	—	12.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	39.6	1.3	18.6	.4	22.5	1.9	8.8
Parcel, U.S. Postal Service or courier	23.7	.2	24.0	—	23.8	—	13.3
Truck and rail	S	S	20.7	.2	21.0	1.1	9.9
Truck and water	16.2	.1	24.2	.2	29.4	.8	23.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	21.5
Other and unknown modes	23.0	.5	25.8	.5	23.0	.4	S
SCTG 08, ALCOHOLIC BEVERAGES							
Total	8.8	—	11.4	—	24.4	—	22.8
Single modes	8.4	1.1	11.5	1.0	26.8	3.4	26.1
Truck	8.7	2.5	9.2	4.9	17.6	8.5	6.4
For-hire truck	13.3	2.1	15.9	2.3	18.4	5.6	19.1
Private truck	7.6	3.1	7.4	5.4	24.5	4.8	7.9
Rail	24.7	1.9	34.8	4.8	36.9	8.5	13.8
Water	S	S	S	S	S	S	21.2
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.2
Air (includes truck and air)	S	S	S	S	S	S	17.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	30.1	1.1	30.4	1.0	34.7	3.2	22.0
Parcel, U.S. Postal Service or courier	S	S	49.4	—	S	S	19.7
Truck and rail	39.3	1.0	37.2	.9	39.4	3.2	11.1
Truck and water	35.4	.3	40.0	.3	S	S	27.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	29.7	.3	36.9	.4	S	S	28.2

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	15.7	—	27.0	—	31.3	—	16.9
Single modes	15.4	3.8	28.2	3.2	29.9	6.0	23.6
Truck	15.2	3.9	28.2	3.2	30.4	6.5	22.9
For-hire truck	47.3	2.0	39.8	1.6	46.5	3.5	21.2
Private truck	16.2	4.5	28.8	3.5	32.0	7.3	8.1
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	23.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	15.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	15.5
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	44.5	2.1	S	S	S	S	21.6
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	47.2	—	39.0	—	41.8	—	S
Single modes	48.7	7.0	39.4	3.2	42.6	6.9	33.3
Truck	48.8	6.7	39.4	3.5	44.4	8.1	33.4
For-hire truck	41.6	9.7	40.9	10.1	32.9	10.4	S
Private truck	S	S	S	S	S	S	35.7
Rail	S	S	S	S	S	S	26.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	48.7
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	44.0
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	23.0
SCTG 11, NATURAL SANDS							
Total	15.7	—	18.0	—	16.3	—	25.3
Single modes	16.0	.9	18.3	.9	17.1	1.7	26.0
Truck	16.7	1.8	19.3	3.2	19.1	3.8	27.0
For-hire truck	28.8	5.6	18.3	5.1	14.4	4.3	S
Private truck	23.8	5.5	12.3	5.2	25.0	4.9	49.9
Rail	27.6	1.2	28.1	.5	25.1	2.7	22.1
Water	S	S	S	S	S	S	19.7
Shallow draft	S	S	S	S	S	S	19.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	23.7
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.2
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	39.3	.9	S	S	49.8	1.8	38.9

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	10.5	—	11.6	—	12.9	—	15.8
Single modes	10.9	1.1	12.0	1.2	13.2	1.1	15.6
Truck	11.1	1.3	12.3	1.5	14.5	4.1	15.6
For-hire truck	22.4	4.5	26.7	4.8	22.7	4.8	13.2
Private truck	18.1	4.7	17.0	4.8	22.4	5.4	31.2
Rail	S	S	48.5	.7	S	S	20.8
Water	S	S	S	S	S	S	21.1
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	40.2	1.0	48.4	1.1	S	S	16.0
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	32.4	—	18.7	—	23.8	—	17.9
Single modes	33.4	1.8	18.6	1.6	20.9	2.5	17.4
Truck	41.8	5.0	21.3	4.8	32.3	3.5	19.9
For-hire truck	24.7	4.9	26.8	3.5	37.3	2.7	10.8
Private truck	S	S	37.0	5.4	27.1	1.7	15.8
Rail	26.4	5.3	33.9	4.9	22.6	4.5	4.8
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	29.2	1.1	22.0	.3	28.9	1.4	34.1
Parcel, U.S. Postal Service or courier	45.1	.6	S	S	S	S	23.8
Truck and rail	36.8	1.1	24.3	.3	31.4	1.4	14.2
Truck and water	S	S	S	S	S	S	20.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	35.5	1.1	S	S	S	S	36.2
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	12.2	—	29.4	—	18.6	—	25.4
Single modes	13.4	3.6	31.6	4.6	24.7	6.3	24.0
Truck	19.7	5.6	14.2	6.4	16.3	6.1	41.0
For-hire truck	18.8	4.7	16.5	5.0	18.6	6.2	20.7
Private truck	S	S	39.4	2.9	38.8	1.2	21.2
Rail	28.3	5.9	39.8	9.3	34.1	7.7	S
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	49.1	.6	S	S	S	S	20.6
Pipeline	46.1	2.7	46.0	4.0	S	S	S
Multiple modes	S	S	26.3	1.3	22.1	5.1	42.8
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	43.0
Truck and rail	35.4	1.0	26.3	1.3	22.2	5.1	14.3
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	45.9	2.7	S	S	S	S	46.5

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	5.4	—	10.1	—	15.3	—	S
Single modes	6.6	3.9	10.8	3.7	16.7	3.8	S
Truck	28.6	2.8	29.7	2.2	34.5	.2	16.8
For-hire truck	31.4	1.8	31.2	1.6	27.9	.2	28.4
Private truck	S	S	S	S	S	S	19.6
Rail	9.3	5.2	12.9	4.5	16.9	3.9	10.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	46.0	1.4	45.9	1.0	S	S	S
Multiple modes	29.1	1.1	29.5	2.0	28.5	3.8	15.9
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	—	—	—	—	—	—	—
Rail and water	29.2	1.1	29.5	2.0	28.5	3.8	15.6
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	27.9	3.2	30.1	2.1	S	S	S
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	9.3	—	9.2	—	25.0	—	19.9
Single modes	9.4	.1	9.2	.1	25.1	.2	21.6
Truck	10.0	3.5	8.5	3.9	22.9	6.2	22.2
For-hire truck	15.5	2.4	15.3	2.7	30.9	5.0	24.2
Private truck	10.3	3.2	9.4	3.3	33.5	5.3	27.6
Rail	44.9	.5	40.5	.5	37.9	2.8	17.7
Water	S	S	S	S	44.9	7.0	30.9
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	47.5	7.0	24.9
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	13.4	2.4	12.8	2.8	S	S	S
Multiple modes	42.0	—	45.4	—	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	49.2	—	S	S	S	S	S
Other and unknown modes	40.6	.1	40.8	.1	48.7	.1	S
SCTG 18, FUEL OILS							
Total	7.9	—	10.7	—	20.9	—	17.1
Single modes	8.4	1.6	10.4	.7	21.3	1.5	16.0
Truck	10.0	4.3	10.6	4.6	16.6	6.9	15.0
For-hire truck	22.5	3.3	19.7	3.1	26.4	3.9	20.2
Private truck	8.5	3.5	8.3	3.5	9.9	5.0	9.0
Rail	19.2	.7	17.7	1.0	30.2	5.3	20.2
Water	28.1	1.3	29.2	1.7	49.1	5.5	29.6
Shallow draft	34.2	.8	40.3	1.0	35.3	.9	19.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	42.0	1.1	41.9	1.5	S	S	25.4
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	18.3	3.5	19.4	3.8	S	S	S
Multiple modes	S	S	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.6
Truck and rail	S	S	S	S	S	S	22.1
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	34.2
Other and unknown modes	37.1	1.6	45.6	.6	S	S	S

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	10.8	—	14.2	—	43.0	—	25.4
Single modes	8.9	3.3	13.9	4.5	30.6	9.5	14.3
Truck	7.9	3.9	14.8	5.7	10.5	7.9	15.0
For-hire truck	11.8	3.7	16.9	5.2	12.9	6.8	15.0
Private truck	10.1	3.1	11.8	3.2	15.5	1.6	11.4
Rail	17.5	1.3	40.5	3.5	49.9	6.2	11.0
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	S	S	S	S	S	S	20.7
Pipeline	29.8	2.0	38.1	2.1	S	S	S
Multiple modes	43.3	1.9	S	S	S	S	S
Parcel, U.S. Postal Service or courier	37.5	.3	40.3	—	37.0	—	S
Truck and rail	S	S	S	S	S	S	38.8
Truck and water	38.9	.8	39.8	.2	37.8	.3	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	S	S	S	S	S	S	18.1
SCTG 20, BASIC CHEMICALS							
Total	8.4	—	18.1	—	18.9	—	14.0
Single modes	10.6	3.6	18.0	.7	18.9	1.3	26.3
Truck	12.0	2.8	19.5	3.5	17.4	2.5	28.6
For-hire truck	16.4	3.4	24.3	2.8	21.1	2.2	12.0
Private truck	16.0	2.9	32.8	4.8	29.9	1.4	21.4
Rail	14.7	2.4	22.0	3.6	20.2	3.6	6.8
Water	S	S	S	S	S	S	21.5
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	21.5
Air (includes truck and air)	S	S	39.5	—	35.4	—	12.4
Pipeline	36.1	.2	41.3	.6	S	S	S
Multiple modes	19.7	3.4	38.6	.3	33.9	1.3	9.5
Parcel, U.S. Postal Service or courier	22.8	3.4	39.9	.2	37.0	.3	9.6
Truck and rail	S	S	48.0	.3	40.6	1.2	16.4
Truck and water	S	S	44.3	—	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	29.1	.7	S	S	S	S	41.6
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	8.1	—	14.9	—	18.4	—	10.2
Single modes	11.2	3.5	18.4	3.9	23.6	6.8	29.5
Truck	11.9	2.9	18.8	3.9	21.0	6.3	20.9
For-hire truck	11.0	3.2	18.6	5.3	23.6	7.1	22.1
Private truck	19.5	3.5	31.7	5.2	47.0	1.5	13.2
Rail	S	S	S	S	S	S	21.3
Water	S	S	S	S	S	S	22.2
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.2
Air (includes truck and air)	25.5	1.7	40.7	.4	41.1	1.1	5.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	10.4	3.4	11.9	2.6	12.4	5.8	9.2
Parcel, U.S. Postal Service or courier	10.7	3.4	12.7	2.7	13.6	5.8	9.2
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	46.5	.5	36.7	.3	S	S	27.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	19.9

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	8.5	—	23.1	—	26.5	—	8.2
Single modes	8.1	2.0	24.4	2.8	26.8	.9	8.7
Truck	8.5	3.2	25.8	3.8	15.1	4.2	9.4
For-hire truck	13.2	3.4	15.4	3.9	13.4	3.6	11.5
Private truck	13.0	4.2	34.6	4.5	29.2	2.7	12.6
Rail	22.0	2.1	24.3	1.6	31.0	4.0	4.0
Water	S	S	S	S	S	S	S
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	45.6	.2	48.8	.8	49.8
Parcel, U.S. Postal Service or courier	32.9	—	35.6	—	35.8	—	S
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	45.7	.2	48.8	.8	22.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	45.1	2.1	S	S	S	S	28.6
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	6.5	—	11.6	—	15.4	—	10.4
Single modes	8.6	3.3	12.4	1.4	16.0	1.6	9.3
Truck	8.6	3.3	13.0	2.7	17.3	4.7	9.9
For-hire truck	11.1	3.4	14.3	2.4	19.0	4.6	7.9
Private truck	9.4	2.1	12.9	2.4	14.6	1.2	9.7
Rail	30.9	.2	29.7	.8	34.0	4.1	14.5
Water	S	S	S	S	S	S	24.3
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	24.2
Air (includes truck and air)	S	S	41.7	—	35.0	.2	5.7
Pipeline	46.3	—	46.2	.2	S	S	S
Multiple modes	14.3	2.0	17.0	.8	17.3	1.5	14.9
Parcel, U.S. Postal Service or courier	14.8	2.0	18.9	.6	17.0	.6	15.0
Truck and rail	36.7	.1	35.6	.4	35.2	1.1	16.7
Truck and water	39.2	.1	33.2	.1	36.8	.7	22.1
Rail and water	S	S	S	S	S	S	21.8
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	30.6	.9	38.3	.7	22.5
SCTG 24, PLASTICS AND RUBBER							
Total	4.4	—	7.6	—	9.2	—	10.2
Single modes	5.7	2.4	8.1	1.4	10.6	1.9	14.9
Truck	5.8	2.4	8.1	1.5	11.5	2.4	15.6
For-hire truck	8.0	2.2	8.0	2.6	11.5	2.3	6.5
Private truck	7.1	2.1	11.5	2.6	16.0	1.2	14.2
Rail	28.8	.3	48.1	1.1	23.8	1.5	14.9
Water	45.4	—	33.0	—	S	S	20.3
Shallow draft	S	S	S	S	S	S	24.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	46.1	—	34.6	—	S	S	21.8
Air (includes truck and air)	17.6	.2	32.4	—	39.3	.3	4.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	14.3	2.5	13.0	.6	14.7	1.7	5.3
Parcel, U.S. Postal Service or courier	14.3	2.4	16.3	.5	19.3	1.3	5.3
Truck and rail	49.7	.2	28.3	.2	29.3	1.1	13.1
Truck and water	16.1	—	19.8	—	25.2	.3	16.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	12.4	.6	30.3	1.3	22.9	.6	27.1

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	8.7	—	20.0	—	15.4	—	15.4
Single modes	8.0	3.1	21.0	2.5	10.5	5.2	16.4
Truck	8.3	2.9	21.6	2.4	10.1	5.3	16.4
For-hire truck	16.2	5.5	18.7	6.0	20.1	5.8	7.1
Private truck	16.6	5.8	37.5	6.8	18.1	6.4	27.4
Rail	31.0	1.0	42.3	.9	40.8	2.6	S
Water	S	S	S	S	S	S	22.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	35.6	1.0	32.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	30.6
Truck and rail	S	S	S	S	S	S	19.9
Truck and water	46.8	.1	S	S	S	S	20.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 26, WOOD PRODUCTS							
Total	4.8	—	11.0	—	6.1	—	7.8
Single modes	4.8	.8	9.4	3.6	6.7	1.2	8.1
Truck	5.1	.9	10.0	3.2	5.7	1.5	9.2
For-hire truck	6.1	1.5	8.9	2.6	5.8	1.6	7.6
Private truck	7.3	1.6	15.1	2.1	12.6	.8	6.5
Rail	6.0	.6	15.0	1.4	8.9	1.9	4.1
Water	S	S	S	S	S	S	19.2
Shallow draft	S	S	S	S	S	S	20.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	19.0
Air (includes truck and air)	33.9	—	43.3	—	S	S	19.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	14.0	.4	27.6	.5	16.3	1.0	8.1
Parcel, U.S. Postal Service or courier	16.6	—	16.8	—	16.0	—	9.3
Truck and rail	17.4	.4	30.9	.5	18.4	1.1	8.0
Truck and water	21.9	—	23.5	—	27.6	.2	16.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	23.0	.8	S	S	30.1	.9	36.4
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	6.3	—	6.9	—	8.4	—	18.1
Single modes	6.1	2.0	7.6	1.4	10.1	3.0	9.0
Truck	6.0	2.8	7.1	3.2	10.5	4.1	10.0
For-hire truck	10.8	2.8	11.0	3.1	11.4	4.1	11.8
Private truck	6.0	2.3	7.6	1.9	21.6	.8	9.9
Rail	16.6	2.0	15.0	2.9	14.3	4.3	8.2
Water	46.0	.4	43.8	.6	S	S	20.4
Shallow draft	S	S	S	S	49.1	—	21.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	19.8
Air (includes truck and air)	S	S	S	S	S	S	15.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	19.0	1.3	17.2	1.1	18.5	3.1	17.5
Parcel, U.S. Postal Service or courier	46.1	.9	20.5	—	27.5	—	18.7
Truck and rail	28.3	.9	27.7	.8	31.9	2.7	15.3
Truck and water	34.7	.6	37.6	.8	35.5	2.0	17.0
Rail and water	S	S	S	S	S	S	21.9
Other multiple modes	S	S	S	S	S	S	21.3
Other and unknown modes	S	S	21.2	.7	26.4	.6	S

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	5.2	—	23.5	—	10.8	—	14.2
Single modes	5.4	1.4	24.3	1.2	11.7	2.0	9.4
Truck	5.9	1.6	25.2	1.5	9.0	4.9	9.3
For-hire truck	8.2	2.5	22.7	2.9	10.3	4.3	9.2
Private truck	9.1	2.6	30.1	3.1	14.6	1.5	9.0
Rail	46.2	.7	44.4	.9	36.8	3.4	15.6
Water	49.3	1.1	47.0	.9	S	S	20.1
Shallow draft	S	S	S	S	S	S	20.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	20.0
Air (includes truck and air)	41.2	—	S	S	S	S	12.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.4	1.1	22.3	.5	22.0	1.6	7.8
Parcel, U.S. Postal Service or courier	32.0	1.1	27.5	.2	29.7	.5	7.8
Truck and rail	S	S	S	S	S	S	20.5
Truck and water	21.9	.1	25.4	.1	25.1	.6	27.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	28.7	.7	37.5	1.1	S	S	33.3
SCTG 29, PRINTED PRODUCTS							
Total	4.0	—	9.0	—	18.4	—	13.6
Single modes	3.7	2.4	9.2	1.8	13.9	6.5	29.6
Truck	4.0	2.2	9.4	1.8	15.3	5.7	34.2
For-hire truck	6.4	1.5	8.3	1.9	18.1	5.3	14.5
Private truck	6.7	2.3	11.9	3.1	10.7	1.4	11.6
Rail	S	S	S	S	S	S	22.0
Water	S	S	S	S	S	S	20.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	20.4
Air (includes truck and air)	22.9	.7	31.7	.4	24.6	1.6	4.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	11.6	2.4	16.5	1.3	24.1	4.2	19.6
Parcel, U.S. Postal Service or courier	11.6	2.4	16.7	1.3	24.7	4.2	19.6
Truck and rail	S	S	S	S	S	S	21.3
Truck and water	41.4	—	41.5	—	S	S	18.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	11.4	.6	23.9	1.2	S	S	24.9
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	10.2	—	10.1	—	9.3	—	3.8
Single modes	12.8	2.9	11.4	1.6	10.3	1.9	7.9
Truck	13.0	3.0	11.7	1.8	11.3	2.2	9.0
For-hire truck	17.0	4.1	10.6	3.5	14.7	4.0	6.6
Private truck	20.7	2.8	19.7	3.7	27.9	3.1	23.0
Rail	36.9	—	37.7	.2	38.3	1.0	19.2
Water	S	S	S	S	S	S	19.7
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	18.9
Air (includes truck and air)	29.7	1.0	33.9	.4	34.5	.9	3.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	15.6	2.8	9.9	1.3	12.3	1.8	2.7
Parcel, U.S. Postal Service or courier	16.2	2.6	7.1	1.1	8.1	1.9	2.7
Truck and rail	S	S	S	S	S	S	34.1
Truck and water	S	S	S	S	S	S	12.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	10.1	.3	15.2	.5	19.8	.4	43.1

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	5.2	—	7.4	—	8.3	—	15.1
Single modes	5.4	1.0	7.5	.4	8.0	2.4	24.4
Truck	5.8	1.2	8.1	1.0	5.3	3.4	25.8
For-hire truck	8.1	2.3	6.2	1.9	7.1	1.8	11.0
Private truck	8.7	2.7	10.4	2.5	9.2	2.8	35.9
Rail	12.2	.4	16.8	.9	20.9	3.4	8.5
Water	S	S	S	S	S	S	24.7
Shallow draft	S	S	S	S	S	S	21.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	28.0
Air (includes truck and air)	28.0	.3	45.6	—	S	S	11.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	13.9	.8	20.6	.1	22.3	.8	9.3
Parcel, U.S. Postal Service or courier	15.1	.7	26.7	—	18.2	—	9.3
Truck and rail	24.8	.1	33.1	.1	30.2	.5	43.4
Truck and water	S	S	33.4	—	35.9	.6	14.2
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.3
Other and unknown modes	16.1	.6	20.8	.4	33.0	1.9	33.8
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	6.9	—	9.8	—	9.9	—	14.9
Single modes	7.8	1.8	8.7	2.5	8.9	3.8	15.7
Truck	8.6	2.7	9.8	2.8	10.4	3.5	10.8
For-hire truck	12.3	2.5	13.2	2.6	10.9	3.3	10.2
Private truck	6.2	2.0	10.8	2.2	12.5	.5	11.0
Rail	19.3	1.9	12.2	1.7	13.8	3.5	5.4
Water	40.6	.1	S	S	36.5	.4	22.9
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	46.2	.1	S	S	38.3	.4	21.5
Air (includes truck and air)	39.2	.3	S	S	49.1	.5	6.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	28.2	1.5	S	S	18.9	1.3	6.8
Parcel, U.S. Postal Service or courier	33.1	1.0	32.1	—	S	S	7.0
Truck and rail	19.2	.2	17.7	.3	17.0	.7	9.2
Truck and water	33.0	—	38.4	—	46.7	.8	17.2
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	27.0	1.1	30.6	2.0	S	S	36.7
SCTG 33, ARTICLES OF BASE METAL							
Total	7.4	—	10.8	—	12.3	—	11.4
Single modes	8.3	2.7	11.7	2.6	11.7	4.9	9.1
Truck	8.2	2.7	11.0	2.6	10.7	4.9	9.8
For-hire truck	9.7	2.2	10.5	2.7	11.1	4.5	7.7
Private truck	7.6	1.5	12.7	1.7	13.5	.7	6.4
Rail	28.8	.3	32.2	1.1	29.3	2.3	18.3
Water	S	S	S	S	S	S	19.0
Shallow draft	S	S	S	S	S	S	23.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	37.2	—	46.7	—	S	S	19.3
Air (includes truck and air)	23.3	.4	S	S	S	S	4.7
Pipeline	—	—	—	—	S	S	S
Multiple modes	12.8	2.3	17.3	.7	S	S	11.2
Parcel, U.S. Postal Service or courier	13.0	2.3	10.3	.3	12.5	.6	11.2
Truck and rail	40.1	.1	47.9	.1	46.3	.3	17.8
Truck and water	36.2	.1	S	S	S	S	32.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.2
Other and unknown modes	21.1	1.2	23.7	2.7	28.3	4.4	13.2

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	6.0	—	13.8	—	24.6	—	8.5
Single modes	6.0	1.8	12.4	1.4	18.1	3.2	7.8
Truck	4.9	2.1	11.2	1.7	14.2	3.9	10.1
For-hire truck	7.5	2.7	15.5	2.6	15.8	4.1	6.5
Private truck	8.8	2.2	10.4	2.6	44.8	2.7	22.5
Rail	32.6	.1	37.3	.3	38.0	1.1	16.3
Water	S	S	S	S	S	S	31.6
Shallow draft	S	S	S	S	S	S	23.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	37.4	—	42.5	—	S	S	22.5
Air (includes truck and air)	29.8	1.0	S	S	S	S	3.5
Pipeline	—	—	—	—	S	S	S
Multiple modes	12.9	1.5	13.5	1.1	24.7	2.6	8.6
Parcel, U.S. Postal Service or courier	13.0	1.5	14.4	1.0	28.3	2.5	8.6
Truck and rail	S	S	S	S	S	S	20.0
Truck and water	S	S	S	S	S	S	37.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	17.4	1.3	35.0	1.4	S	S	22.3
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	8.0	—	13.3	—	25.6	—	5.7
Single modes	11.8	2.6	15.5	2.3	30.2	3.5	10.9
Truck	11.6	2.2	16.5	2.6	33.1	3.8	13.6
For-hire truck	15.2	2.4	24.1	3.9	38.1	4.8	8.2
Private truck	5.4	1.0	12.2	3.3	22.5	2.1	22.1
Rail	25.8	.1	40.5	1.0	31.4	.8	12.2
Water	38.3	—	38.6	—	40.1	—	S
Shallow draft	S	S	S	S	S	S	22.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	40.4	—	43.7	—	42.9	—	44.2
Air (includes truck and air)	16.1	1.3	20.2	.6	17.4	1.1	2.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	7.9	2.3	9.4	1.0	12.7	2.1	3.3
Parcel, U.S. Postal Service or courier	8.1	2.3	9.5	1.0	12.7	1.9	3.3
Truck and rail	S	S	S	S	S	S	18.1
Truck and water	S	S	42.7	.1	30.5	.2	15.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	19.2	1.3	22.4	1.9	37.5	2.6	25.6
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	9.1	—	12.8	—	16.1	—	9.4
Single modes	9.4	2.2	13.6	2.8	20.1	4.5	13.9
Truck	9.7	2.6	14.0	2.9	22.0	5.0	17.4
For-hire truck	13.2	2.8	17.5	3.8	28.1	5.3	10.5
Private truck	9.9	2.6	25.0	4.8	40.8	4.5	11.8
Rail	32.1	.2	30.1	.2	34.2	1.0	16.3
Water	45.4	—	42.2	.2	S	S	19.6
Shallow draft	S	S	S	S	S	S	20.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	48.1	—	46.6	.2	S	S	19.1
Air (includes truck and air)	27.4	.7	26.2	.3	27.0	1.5	5.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	11.5	1.4	7.1	.7	12.1	1.8	6.9
Parcel, U.S. Postal Service or courier	11.3	1.5	8.7	.7	12.0	1.8	6.9
Truck and rail	S	S	40.8	.1	35.5	.3	25.9
Truck and water	S	S	S	S	S	S	19.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	20.3	2.3	26.7	3.0	25.4	4.6	25.1

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	22.1	—	22.0	—	18.3	—	10.8
Single modes	25.0	4.5	23.0	2.4	20.3	3.7	13.2
Truck	15.0	5.5	27.6	5.2	15.6	5.4	25.6
For-hire truck	24.0	4.8	34.5	5.0	16.8	5.5	10.4
Private truck	16.4	2.1	22.4	4.4	24.6	1.3	33.3
Rail	17.7	1.4	43.8	6.6	S	S	18.9
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	32.7	9.2	33.0	2.1	20.2	3.3	3.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	26.5	4.5	29.5	2.1	42.1	3.8	10.7
Parcel, U.S. Postal Service or courier	11.1	3.0	30.4	2.1	43.5	3.8	10.7
Truck and rail	S	S	S	S	S	S	22.2
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	24.5	1.1	37.4	.9	31.1
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	9.3	—	13.9	—	14.7	—	4.4
Single modes	9.7	2.5	15.7	3.2	17.2	4.6	8.6
Truck	11.0	2.3	16.3	3.3	16.7	4.8	12.6
For-hire truck	10.7	2.0	21.0	4.4	16.9	4.8	8.7
Private truck	20.8	1.5	29.1	3.4	41.5	1.0	37.7
Rail	S	S	S	S	S	S	22.7
Water	S	S	S	S	S	S	S
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	12.7	1.9	26.5	1.1	32.8	2.6	2.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	12.9	2.7	13.0	2.9	20.2	3.9	4.1
Parcel, U.S. Postal Service or courier	13.0	2.7	13.2	3.0	20.5	3.9	4.1
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	21.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	24.0	.8	41.4	1.4	S	S	41.8
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	11.9	—	11.8	—	14.3	—	11.1
Single modes	11.7	2.4	12.6	1.5	16.0	2.0	15.0
Truck	11.8	2.3	12.7	1.6	16.6	2.6	14.0
For-hire truck	11.1	2.9	13.9	3.0	17.9	3.7	7.4
Private truck	16.9	3.1	16.4	2.7	28.8	1.8	16.3
Rail	42.8	.2	46.1	.6	S	S	35.9
Water	39.3	—	40.5	—	S	S	21.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	39.3	—	40.5	—	S	S	21.4
Air (includes truck and air)	39.6	.1	S	S	41.9	.2	9.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.0	1.8	16.6	.9	16.7	1.7	7.6
Parcel, U.S. Postal Service or courier	27.6	1.8	25.0	.8	30.3	1.4	7.7
Truck and rail	32.8	.3	23.9	.4	23.0	1.2	11.0
Truck and water	39.5	—	34.8	—	39.3	.3	16.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	47.8	1.3	27.3	1.1	S	S	28.3

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	23.2	—	20.9	—	36.2	—	5.0
Single modes	34.3	4.0	20.1	4.3	13.4	6.7	10.9
Truck	36.5	4.3	20.1	4.2	12.6	6.4	13.4
For-hire truck	29.2	1.9	17.0	4.0	12.8	5.5	7.2
Private truck	44.0	3.9	25.7	4.0	26.1	3.0	24.5
Rail	38.5	.2	34.6	.2	35.3	.8	17.1
Water	S	S	S	S	S	S	26.2
Shallow draft	S	S	S	S	S	S	21.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	25.9
Air (includes truck and air)	24.1	1.1	39.9	.1	48.9	.7	4.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	13.2	4.1	17.0	1.5	19.8	2.9	2.9
Parcel, U.S. Postal Service or courier	13.4	4.0	19.0	1.4	23.6	2.7	2.9
Truck and rail	25.4	.1	25.4	.2	26.5	.8	13.2
Truck and water	34.4	—	37.4	—	34.6	.3	16.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	20.0	.6	S	S	S	S	17.7
SCTG 41, WASTE AND SCRAP							
Total	11.9	—	15.0	—	18.7	—	23.6
Single modes	12.1	3.6	15.6	3.5	20.1	5.2	25.4
Truck	13.0	4.0	15.0	4.3	16.2	6.5	29.3
For-hire truck	17.1	5.8	22.7	5.4	21.7	5.7	20.6
Private truck	27.2	6.0	25.5	5.0	34.9	5.1	S
Rail	20.2	1.6	39.8	3.1	46.3	4.7	26.8
Water	S	S	S	S	S	S	25.7
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	25.8
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	25.3	1.1	24.4	.3	25.5	1.9	14.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	30.5
Truck and rail	30.6	1.1	27.9	.3	25.1	1.9	13.4
Truck and water	S	S	S	S	S	S	18.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	47.8	—	45.7	—	45.3	—	19.9
Other and unknown modes	43.7	3.8	S	S	48.2	5.4	21.0
SCTG 43, MIXED FREIGHT							
Total	26.0	—	32.3	—	32.3	—	16.7
Single modes	26.3	.5	32.5	.5	30.7	2.3	16.2
Truck	26.5	1.0	32.5	.5	31.1	2.3	17.5
For-hire truck	40.0	1.6	23.0	1.2	29.0	4.8	20.6
Private truck	27.6	1.7	33.1	1.3	34.8	4.9	8.9
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	28.8
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	28.4
Air (includes truck and air)	S	S	S	S	S	S	18.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	25.6	.4	36.7	.3	S	S	14.8
Parcel, U.S. Postal Service or courier	27.5	.4	22.0	.2	35.3	1.7	15.1
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	46.4	.1	S	S	S	S	17.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	44.2	.4	S	S	S	S	S

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	18.5	—	34.0	—	24.7	—	15.2
Single modes	22.2	4.4	34.7	2.0	26.7	5.1	16.2
Truck	22.3	4.3	38.1	6.8	26.3	6.2	18.8
For-hire truck	35.5	4.8	S	S	29.1	6.5	15.2
Private truck	25.9	4.8	31.6	7.2	28.3	2.4	36.2
Rail	47.2	.6	S	S	47.9	5.7	21.8
Water	S	S	S	S	S	S	22.7
Shallow draft	S	S	S	S	S	S	28.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	44.8	1.9	46.4	—	S	S	9.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	15.8	3.4	46.4	1.5	44.3	4.5	19.6
Parcel, U.S. Postal Service or courier	16.4	3.4	22.0	.7	17.7	2.4	19.7
Truck and rail	44.8	.3	S	S	S	S	24.4
Truck and water	S	S	S	S	S	S	21.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	46.4	3.2	33.2	1.0	48.5	2.1	33.2

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	3.1	3.8	7.7
Less than 50 miles	3.4	6.3	5.6
50 to 99 miles	9.6	4.5	5.6
100 to 249 miles	6.9	5.8	5.6
250 to 499 miles	6.3	6.7	5.4
500 to 749 miles	3.7	10.7	11.3
750 to 999 miles	5.6	16.2	15.7
1,000 to 1,499 miles	6.2	13.5	13.9
1,500 to 1,999 miles	5.0	9.0	9.1
2,000 miles or more	5.5	3.2	3.3
SCTG 01, Live animals and live fish	S	S	S
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	13.4	14.8	12.4
Less than 50 miles	18.2	19.2	21.8
50 to 99 miles	20.4	21.0	22.2
100 to 249 miles	20.5	19.5	21.5
250 to 499 miles	34.9	38.1	32.4
500 to 749 miles	30.0	29.5	30.5
750 to 999 miles	31.8	33.8	34.0
1,000 to 1,499 miles	37.9	40.2	36.2
1,500 to 1,999 miles	43.1	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	7.9	9.9	12.3
Less than 50 miles	12.7	17.7	15.1
50 to 99 miles	8.4	14.8	15.7
100 to 249 miles	12.0	13.5	13.7
250 to 499 miles	12.6	22.7	24.9
500 to 749 miles	15.7	22.3	22.6
750 to 999 miles	16.3	22.8	21.5
1,000 to 1,499 miles	12.4	18.2	18.7
1,500 to 1,999 miles	13.0	19.9	18.3
2,000 miles or more	14.2	14.2	13.7
SCTG 04, Animal feed and products of animal origin, n.e.c.	12.2	11.8	12.3
Less than 50 miles	17.1	15.1	31.5
50 to 99 miles	19.5	21.1	21.4
100 to 249 miles	15.6	25.7	26.3
250 to 499 miles	20.4	25.5	23.4
500 to 749 miles	26.7	22.8	21.6
750 to 999 miles	18.8	26.2	25.0
1,000 to 1,499 miles	32.9	26.9	26.7
1,500 to 1,999 miles	42.1	43.2	43.1
2,000 miles or more	44.2	39.0	39.4
SCTG 05, Meat, fish, seafood, and their preparations	8.6	14.5	14.3
Less than 50 miles	11.4	22.2	25.5
50 to 99 miles	15.7	15.8	16.1
100 to 249 miles	14.3	13.8	13.5
250 to 499 miles	15.5	15.0	14.7
500 to 749 miles	13.5	11.9	12.4
750 to 999 miles	16.0	16.3	16.8
1,000 to 1,499 miles	16.2	23.9	25.4
1,500 to 1,999 miles	26.2	22.7	23.6
2,000 miles or more	29.9	31.8	31.1
SCTG 06, Milled grain products and preparations, and bakery products	10.5	16.4	16.7
Less than 50 miles	11.3	18.2	33.2
50 to 99 miles	17.7	19.7	19.8
100 to 249 miles	22.1	24.7	22.6
250 to 499 miles	15.0	21.4	20.0
500 to 749 miles	22.4	21.1	20.9
750 to 999 miles	21.2	29.3	30.4
1,000 to 1,499 miles	20.0	22.7	23.4
1,500 to 1,999 miles	19.9	31.4	33.4
2,000 miles or more	20.0	21.2	21.8
SCTG 07, Other prepared foodstuffs and fats and oils	3.9	9.4	5.4
Less than 50 miles	6.5	13.8	19.1
50 to 99 miles	6.5	8.5	8.2
100 to 249 miles	7.2	14.5	15.3
250 to 499 miles	8.0	11.1	11.0
500 to 749 miles	7.7	9.1	9.1
750 to 999 miles	13.9	12.8	12.8
1,000 to 1,499 miles	10.7	10.3	10.1
1,500 to 1,999 miles	20.3	11.4	11.1
2,000 miles or more	8.9	13.0	13.6

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	8.8	11.4	24.4
Less than 50 miles	6.1	5.9	8.0
50 to 99 miles	10.9	13.0	12.7
100 to 249 miles	34.4	23.2	22.4
250 to 499 miles	22.5	23.6	22.8
500 to 749 miles	20.2	28.9	34.7
750 to 999 miles	21.7	31.5	33.3
1,000 to 1,499 miles	22.3	34.9	36.1
1,500 to 1,999 miles	26.7	35.2	35.0
2,000 miles or more	28.6	33.9	35.1
SCTG 09, Tobacco products	15.7	27.0	31.3
Less than 50 miles	16.4	19.3	19.1
50 to 99 miles	20.0	S	S
100 to 249 miles	30.8	27.7	30.2
250 to 499 miles	33.9	46.4	45.7
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	47.0	S
SCTG 10, Monumental or building stone	47.2	39.0	41.8
Less than 50 miles	S	44.2	S
50 to 99 miles	S	47.7	42.6
100 to 249 miles	S	46.7	44.6
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	44.9	44.5	44.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	15.7	18.0	16.3
Less than 50 miles	20.2	20.1	23.1
50 to 99 miles	17.9	27.6	27.5
100 to 249 miles	20.9	31.7	29.7
250 to 499 miles	S	28.4	29.0
500 to 749 miles	S	34.2	38.9
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	47.3	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	10.5	11.6	12.9
Less than 50 miles	11.4	12.2	14.9
50 to 99 miles	16.4	17.8	18.0
100 to 249 miles	27.4	42.2	40.7
250 to 499 miles	40.1	40.4	42.6
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	32.4	18.7	23.8
Less than 50 miles	S	40.1	42.3
50 to 99 miles	24.2	26.4	26.9
100 to 249 miles	18.4	25.2	25.8
250 to 499 miles	26.7	25.7	24.4
500 to 749 miles	31.3	35.6	32.1
750 to 999 miles	32.9	23.9	23.4
1,000 to 1,499 miles	30.5	29.4	28.8
1,500 to 1,999 miles	22.1	27.7	27.1
2,000 miles or more	26.9	43.0	40.6
SCTG 14, Metallic ores and concentrates	12.2	29.4	18.6
Less than 50 miles	22.9	48.6	28.7
50 to 99 miles	43.1	44.2	42.4
100 to 249 miles	26.8	20.4	20.4
250 to 499 miles	36.5	S	S
500 to 749 miles	42.9	49.6	S
750 to 999 miles	34.7	29.3	31.1
1,000 to 1,499 miles	35.7	S	S
1,500 to 1,999 miles	33.6	24.5	24.9
2,000 miles or more	39.8	39.4	39.1
SCTG 15, Coal	5.4	10.1	15.3
Less than 50 miles	15.6	15.8	19.0
50 to 99 miles	26.1	24.7	26.8
100 to 249 miles	30.4	25.3	23.2
250 to 499 miles	16.8	13.0	13.0
500 to 749 miles	16.4	15.3	15.7
750 to 999 miles	16.1	20.7	19.9
1,000 to 1,499 miles	16.3	19.9	20.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	9.3	9.2	25.0
Less than 50 miles	10.3	10.6	8.1
50 to 99 miles	25.0	30.4	23.3
100 to 249 miles	17.2	21.2	19.2
250 to 499 miles	26.2	28.0	22.8
500 to 749 miles	48.0	S	48.1
750 to 999 miles	S	S	S
1,000 to 1,499 miles	40.6	40.3	39.2
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	7.9	10.7	20.9
Less than 50 miles	10.0	12.6	14.4
50 to 99 miles	12.3	15.2	14.0
100 to 249 miles	22.6	21.2	22.9
250 to 499 miles	33.9	42.5	39.4
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	10.8	14.2	43.0
Less than 50 miles	13.0	20.6	35.8
50 to 99 miles	17.4	42.5	S
100 to 249 miles	16.9	20.4	20.7
250 to 499 miles	S	33.8	31.5
500 to 749 miles	20.3	45.5	47.8
750 to 999 miles	30.4	45.3	47.6
1,000 to 1,499 miles	45.8	S	S
1,500 to 1,999 miles	29.3	S	S
2,000 miles or more	45.2	31.6	31.7
SCTG 20, Basic chemicals	8.4	18.1	18.9
Less than 50 miles	13.3	23.4	26.2
50 to 99 miles	14.2	30.6	32.9
100 to 249 miles	12.2	19.3	22.0
250 to 499 miles	14.0	23.5	22.9
500 to 749 miles	12.7	28.0	28.7
750 to 999 miles	30.2	30.8	30.8
1,000 to 1,499 miles	17.1	30.1	29.6
1,500 to 1,999 miles	12.1	18.2	18.2
2,000 miles or more	25.4	33.2	32.2
SCTG 21, Pharmaceutical products	8.1	14.9	18.4
Less than 50 miles	15.4	29.4	11.2
50 to 99 miles	17.5	14.3	14.9
100 to 249 miles	13.6	22.5	21.1
250 to 499 miles	12.1	21.9	20.0
500 to 749 miles	24.8	39.9	34.4
750 to 999 miles	27.0	33.5	31.8
1,000 to 1,499 miles	16.0	29.7	30.1
1,500 to 1,999 miles	11.7	34.3	37.6
2,000 miles or more	13.3	23.3	23.6
SCTG 22, Fertilizers	8.5	23.1	26.5
Less than 50 miles	12.1	25.1	40.6
50 to 99 miles	17.5	42.0	38.8
100 to 249 miles	12.7	16.6	16.2
250 to 499 miles	18.5	17.2	16.8
500 to 749 miles	11.7	19.0	20.6
750 to 999 miles	25.9	30.9	31.6
1,000 to 1,499 miles	S	47.9	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	36.4	41.6	42.4
SCTG 23, Chemical products and preparations, n.e.c.	6.5	11.6	15.4
Less than 50 miles	8.9	12.0	11.4
50 to 99 miles	18.2	10.6	10.7
100 to 249 miles	24.2	29.8	30.3
250 to 499 miles	10.7	21.2	20.4
500 to 749 miles	14.3	25.6	24.4
750 to 999 miles	15.7	18.3	18.0
1,000 to 1,499 miles	27.5	42.3	40.8
1,500 to 1,999 miles	19.4	19.5	19.1
2,000 miles or more	11.1	16.4	17.7
SCTG 24, Plastics and rubber	4.4	7.6	9.2
Less than 50 miles	5.5	12.1	12.9
50 to 99 miles	16.4	21.2	19.2
100 to 249 miles	8.3	16.8	16.1
250 to 499 miles	8.1	7.5	7.7
500 to 749 miles	8.4	10.8	10.8
750 to 999 miles	12.0	14.8	14.5
1,000 to 1,499 miles	11.1	13.3	13.3
1,500 to 1,999 miles	11.2	12.2	12.3
2,000 miles or more	10.1	16.6	17.3

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	8.7	20.0	15.4
Less than 50 miles	11.2	25.7	14.3
50 to 99 miles	16.4	19.4	19.2
100 to 249 miles	23.0	23.7	24.8
250 to 499 miles	24.8	28.0	29.5
500 to 749 miles	30.8	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	35.7	40.1	40.6
2,000 miles or more	S	S	S
SCTG 26, Wood products	4.8	11.0	6.1
Less than 50 miles	7.7	22.5	19.4
50 to 99 miles	8.5	21.4	22.0
100 to 249 miles	11.4	12.1	12.1
250 to 499 miles	6.6	23.1	21.6
500 to 749 miles	6.2	7.6	8.3
750 to 999 miles	8.9	9.4	9.3
1,000 to 1,499 miles	6.0	10.1	9.2
1,500 to 1,999 miles	4.9	7.2	7.9
2,000 miles or more	8.5	7.8	8.4
SCTG 27, Pulp, newsprint, paper, and paperboard	6.3	6.9	8.4
Less than 50 miles	11.1	8.0	9.7
50 to 99 miles	10.5	13.4	12.5
100 to 249 miles	11.8	12.6	13.2
250 to 499 miles	9.2	10.1	11.0
500 to 749 miles	16.6	21.6	22.1
750 to 999 miles	12.7	12.2	12.5
1,000 to 1,499 miles	24.5	23.3	22.4
1,500 to 1,999 miles	16.4	13.6	13.5
2,000 miles or more	18.2	16.0	16.0
SCTG 28, Paper or paperboard articles	5.2	23.5	10.8
Less than 50 miles	8.4	37.8	44.1
50 to 99 miles	12.1	10.3	10.4
100 to 249 miles	7.6	7.7	8.1
250 to 499 miles	10.0	21.4	26.1
500 to 749 miles	16.1	13.9	14.3
750 to 999 miles	9.9	10.3	12.3
1,000 to 1,499 miles	14.9	18.7	18.3
1,500 to 1,999 miles	24.8	18.2	18.4
2,000 miles or more	29.3	23.6	37.9
SCTG 29, Printed products	4.0	9.0	18.4
Less than 50 miles	5.2	10.1	11.7
50 to 99 miles	17.7	12.1	11.7
100 to 249 miles	20.1	11.2	11.1
250 to 499 miles	7.5	15.8	18.6
500 to 749 miles	16.4	12.6	13.6
750 to 999 miles	14.4	22.3	25.1
1,000 to 1,499 miles	12.4	13.9	13.1
1,500 to 1,999 miles	13.2	30.4	30.2
2,000 miles or more	10.6	36.9	37.3
SCTG 30, Textiles, leather, and articles of textiles or leather	10.2	10.1	9.3
Less than 50 miles	12.2	12.3	16.0
50 to 99 miles	13.1	24.8	26.0
100 to 249 miles	31.5	35.4	37.7
250 to 499 miles	27.5	24.3	23.6
500 to 749 miles	14.7	13.8	14.3
750 to 999 miles	20.1	16.5	17.9
1,000 to 1,499 miles	13.7	13.9	14.2
1,500 to 1,999 miles	13.3	11.2	11.5
2,000 miles or more	15.2	11.5	11.7
SCTG 31, Nonmetallic mineral products	5.2	7.4	8.3
Less than 50 miles	7.5	9.3	10.1
50 to 99 miles	9.4	12.2	12.7
100 to 249 miles	8.5	8.1	8.6
250 to 499 miles	8.8	11.1	12.0
500 to 749 miles	12.5	16.4	17.0
750 to 999 miles	13.9	11.5	12.0
1,000 to 1,499 miles	15.1	32.2	33.9
1,500 to 1,999 miles	21.9	26.1	28.4
2,000 miles or more	17.9	23.8	24.2
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	6.9	9.8	9.9
Less than 50 miles	7.5	15.5	16.0
50 to 99 miles	26.2	28.6	32.3
100 to 249 miles	8.8	10.3	10.5
250 to 499 miles	12.1	13.8	12.8
500 to 749 miles	16.1	11.5	12.1
750 to 999 miles	15.4	15.1	15.3
1,000 to 1,499 miles	24.4	10.3	10.2
1,500 to 1,999 miles	15.9	19.7	18.8
2,000 miles or more	23.4	35.0	35.9

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	7.4	10.8	12.3
Less than 50 miles	9.1	12.1	12.7
50 to 99 miles	9.1	12.7	11.9
100 to 249 miles	9.0	12.1	10.7
250 to 499 miles	9.1	16.2	16.0
500 to 749 miles	13.8	22.2	23.2
750 to 999 miles	13.4	20.4	20.6
1,000 to 1,499 miles	19.6	20.2	19.8
1,500 to 1,999 miles	9.7	19.2	29.0
2,000 miles or more	14.4	20.6	20.3
SCTG 34, Machinery	6.0	13.8	24.6
Less than 50 miles	6.5	12.9	23.4
50 to 99 miles	9.6	12.8	18.2
100 to 249 miles	10.0	10.2	10.8
250 to 499 miles	8.2	12.3	11.4
500 to 749 miles	16.5	17.9	18.1
750 to 999 miles	14.5	16.7	16.6
1,000 to 1,499 miles	12.5	35.1	35.1
1,500 to 1,999 miles	14.0	18.2	18.2
2,000 miles or more	17.7	46.6	45.7
SCTG 35, Electronic and other electrical equipment and components and office equipment	8.0	13.3	25.6
Less than 50 miles	7.1	7.3	9.0
50 to 99 miles	22.3	18.0	17.0
100 to 249 miles	20.3	15.3	15.9
250 to 499 miles	14.3	24.1	23.9
500 to 749 miles	12.6	21.7	20.8
750 to 999 miles	11.0	11.3	11.3
1,000 to 1,499 miles	10.7	30.9	29.6
1,500 to 1,999 miles	10.6	14.8	15.0
2,000 miles or more	13.0	38.5	39.3
SCTG 36, Motorized and other vehicles (including parts)	9.1	12.8	16.1
Less than 50 miles	15.2	15.7	14.0
50 to 99 miles	9.2	12.1	13.3
100 to 249 miles	18.6	13.8	11.9
250 to 499 miles	13.4	31.9	30.6
500 to 749 miles	18.6	26.2	27.1
750 to 999 miles	30.6	22.3	22.2
1,000 to 1,499 miles	28.6	40.2	42.1
1,500 to 1,999 miles	17.2	16.5	16.1
2,000 miles or more	24.7	21.4	21.3
SCTG 37, Transportation equipment, n.e.c.	22.1	22.0	18.3
Less than 50 miles	49.4	31.2	45.9
50 to 99 miles	21.8	29.1	36.5
100 to 249 miles	25.6	22.3	24.6
250 to 499 miles	25.2	46.9	44.8
500 to 749 miles	23.7	S	S
750 to 999 miles	46.8	21.1	20.2
1,000 to 1,499 miles	39.2	S	S
1,500 to 1,999 miles	27.2	20.2	20.9
2,000 miles or more	38.1	21.2	21.5
SCTG 38, Precision instruments and apparatus	9.3	13.9	14.7
Less than 50 miles	14.7	24.4	31.1
50 to 99 miles	19.1	32.7	30.7
100 to 249 miles	17.5	48.1	48.6
250 to 499 miles	14.1	35.3	36.4
500 to 749 miles	12.8	16.2	16.3
750 to 999 miles	22.9	34.8	34.0
1,000 to 1,499 miles	10.3	18.3	17.3
1,500 to 1,999 miles	9.8	18.6	17.6
2,000 miles or more	14.1	19.7	19.9
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	11.9	11.8	14.3
Less than 50 miles	16.6	16.7	17.1
50 to 99 miles	12.5	16.1	15.6
100 to 249 miles	15.9	14.6	14.8
250 to 499 miles	21.2	14.9	13.9
500 to 749 miles	17.0	12.1	11.9
750 to 999 miles	15.4	19.1	19.8
1,000 to 1,499 miles	12.7	15.6	15.1
1,500 to 1,999 miles	25.9	12.2	12.1
2,000 miles or more	15.0	21.5	21.2
SCTG 40, Miscellaneous manufactured products	23.2	20.9	36.2
Less than 50 miles	18.4	12.7	15.3
50 to 99 miles	S	42.1	38.5
100 to 249 miles	48.8	28.2	28.2
250 to 499 miles	25.9	27.2	26.0
500 to 749 miles	10.8	17.5	17.7
750 to 999 miles	14.1	S	S
1,000 to 1,499 miles	11.4	S	S
1,500 to 1,999 miles	16.3	38.8	38.6
2,000 miles or more	8.2	36.8	36.0

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	11.9	15.0	18.7
Less than 50 miles	17.5	19.6	20.1
50 to 99 miles	21.9	37.2	37.2
100 to 249 miles	28.9	23.0	22.2
250 to 499 miles	25.2	42.9	45.0
500 to 749 miles	26.3	27.6	28.2
750 to 999 miles	S	S	S
1,000 to 1,499 miles	28.0	30.5	29.8
1,500 to 1,999 miles	15.9	16.5	16.4
2,000 miles or more	30.0	35.9	35.8
SCTG 43, Mixed freight	26.0	32.3	32.3
Less than 50 miles	23.9	30.1	32.3
50 to 99 miles	31.7	39.3	38.5
100 to 249 miles	37.1	39.3	43.0
250 to 499 miles	32.2	33.5	35.2
500 to 749 miles	30.3	27.6	24.3
750 to 999 miles	32.1	38.0	38.9
1,000 to 1,499 miles	27.3	41.2	41.6
1,500 to 1,999 miles	21.6	35.6	35.6
2,000 miles or more	39.1	49.1	S
Commodity unknown	18.5	34.0	24.7
Less than 50 miles	34.7	43.6	S
50 to 99 miles	S	S	S
100 to 249 miles	25.5	26.0	28.4
250 to 499 miles	24.4	46.9	46.2
500 to 749 miles	26.5	48.4	46.2
750 to 999 miles	38.9	41.6	43.5
1,000 to 1,499 miles	32.8	S	S
1,500 to 1,999 miles	23.0	33.1	34.1
2,000 miles or more	35.3	45.1	44.0

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	3.1	3.8	7.7
Less than 50 lb	3.1	7.4	4.9
50 to 99 lb	4.5	3.9	5.9
100 to 499 lb	3.0	3.1	3.5
500 to 749 lb	4.8	3.3	7.0
750 to 999 lb	4.8	3.4	5.8
1,000 to 9,999 lb	3.9	2.5	9.7
10,000 to 49,999 lb	7.5	5.2	2.2
50,000 to 99,999 lb	8.0	5.6	5.0
100,000 lb or more	10.0	6.5	10.8
SCTG 01, Live animals and live fish	S	S	S
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	41.8	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	13.4	14.8	12.4
Less than 50 lb	S	S	S
50 to 99 lb	39.6	S	49.3
100 to 499 lb	46.6	29.9	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	40.2	24.6	35.1
10,000 to 49,999 lb	20.1	19.8	30.9
50,000 to 99,999 lb	18.6	19.4	27.3
100,000 lb or more	15.6	16.4	13.3
SCTG 03, Other agricultural products	7.9	9.9	12.3
Less than 50 lb	S	S	35.3
50 to 99 lb	36.0	25.6	S
100 to 499 lb	18.3	23.1	31.7
500 to 749 lb	16.0	22.0	16.3
750 to 999 lb	15.9	25.1	21.4
1,000 to 9,999 lb	13.4	21.0	27.2
10,000 to 49,999 lb	8.4	9.7	11.1
50,000 to 99,999 lb	13.8	14.9	27.6
100,000 lb or more	18.3	28.8	24.1
SCTG 04, Animal feed and products of animal origin, n.e.c.	12.2	11.8	12.3
Less than 50 lb	38.7	36.3	S
50 to 99 lb	46.5	S	S
100 to 499 lb	33.1	31.7	S
500 to 749 lb	38.7	31.7	S
750 to 999 lb	S	34.2	S
1,000 to 9,999 lb	21.5	18.7	23.5
10,000 to 49,999 lb	13.1	13.3	15.8
50,000 to 99,999 lb	17.6	17.6	22.1
100,000 lb or more	20.2	17.7	16.4
SCTG 05, Meat, fish, seafood, and their preparations	8.6	14.5	14.3
Less than 50 lb	20.9	19.1	33.5
50 to 99 lb	16.7	16.8	36.7
100 to 499 lb	11.4	12.7	10.7
500 to 749 lb	13.8	14.1	12.2
750 to 999 lb	13.1	13.7	11.6
1,000 to 9,999 lb	12.0	9.2	13.5
10,000 to 49,999 lb	11.4	21.7	13.1
50,000 to 99,999 lb	30.0	31.9	46.1
100,000 lb or more	28.6	31.2	42.2
SCTG 06, Milled grain products and preparations, and bakery products	10.5	16.4	16.7
Less than 50 lb	36.7	48.5	32.7
50 to 99 lb	31.5	33.6	49.4
100 to 499 lb	17.3	16.1	18.1
500 to 749 lb	19.3	19.0	29.1
750 to 999 lb	19.7	39.3	31.3
1,000 to 9,999 lb	11.9	14.9	22.4
10,000 to 49,999 lb	13.4	21.2	13.7
50,000 to 99,999 lb	25.7	24.8	34.5
100,000 lb or more	30.2	42.5	41.9
SCTG 07, Other prepared foodstuffs and fats and oils	3.9	9.4	5.4
Less than 50 lb	22.1	S	25.0
50 to 99 lb	18.0	15.2	19.6
100 to 499 lb	12.5	12.5	18.9
500 to 749 lb	10.3	11.8	14.9
750 to 999 lb	14.7	15.7	15.7
1,000 to 9,999 lb	11.7	12.1	10.3
10,000 to 49,999 lb	5.9	14.1	6.1
50,000 to 99,999 lb	14.9	21.7	17.1
100,000 lb or more	9.4	15.3	13.2

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	8.8	11.4	24.4
Less than 50 lb	36.4	30.3	S
50 to 99 lb	10.2	7.4	10.6
100 to 499 lb	5.9	5.4	10.3
500 to 749 lb	8.3	9.0	14.3
750 to 999 lb	7.9	10.1	20.8
1,000 to 9,999 lb	8.0	7.3	24.0
10,000 to 49,999 lb	16.2	15.8	19.0
50,000 to 99,999 lb	30.4	19.6	44.4
100,000 lb or more	24.5	34.6	38.4
SCTG 09, Tobacco products	15.7	27.0	31.3
Less than 50 lb	49.8	41.6	S
50 to 99 lb	15.3	14.0	S
100 to 499 lb	18.1	14.4	18.7
500 to 749 lb	35.3	27.2	37.0
750 to 999 lb	44.5	27.1	28.4
1,000 to 9,999 lb	26.8	31.6	43.6
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	47.2	39.0	41.8
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	37.6	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	36.2	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	48.5
SCTG 11, Natural sands	15.7	18.0	16.3
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	24.0	S
500 to 749 lb	43.6	32.3	S
750 to 999 lb	45.7	42.0	S
1,000 to 9,999 lb	41.7	22.7	27.1
10,000 to 49,999 lb	26.5	12.8	21.5
50,000 to 99,999 lb	16.3	11.5	18.8
100,000 lb or more	32.6	45.2	29.8
SCTG 12, Gravel and crushed stone	10.5	11.6	12.9
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	49.8	S
1,000 to 9,999 lb	33.9	27.6	26.2
10,000 to 49,999 lb	14.7	15.2	22.8
50,000 to 99,999 lb	14.4	16.1	14.6
100,000 lb or more	22.0	29.2	29.9
SCTG 13, Nonmetallic minerals n.e.c.	32.4	18.7	23.8
Less than 50 lb	39.6	39.8	37.4
50 to 99 lb	S	S	33.8
100 to 499 lb	26.9	22.6	25.3
500 to 749 lb	48.0	48.9	S
750 to 999 lb	S	34.6	S
1,000 to 9,999 lb	S	44.1	29.5
10,000 to 49,999 lb	38.9	30.5	39.8
50,000 to 99,999 lb	S	18.3	S
100,000 lb or more	25.6	29.9	22.8
SCTG 14, Metallic ores and concentrates	12.2	29.4	18.6
Less than 50 lb	46.6	S	37.7
50 to 99 lb	S	44.9	35.2
100 to 499 lb	36.9	42.5	S
500 to 749 lb	S	33.4	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	37.5	37.9	48.7
10,000 to 49,999 lb	20.0	29.4	26.7
50,000 to 99,999 lb	37.0	24.9	23.0
100,000 lb or more	17.9	34.8	25.9
SCTG 15, Coal	5.4	10.1	15.3
Less than 50 lb	—	—	—
50 to 99 lb	—	—	—
100 to 499 lb	47.0	49.2	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	32.0	34.4
10,000 to 49,999 lb	S	38.8	48.1
50,000 to 99,999 lb	29.0	34.0	42.4
100,000 lb or more	5.9	10.5	15.3

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	9.3	9.2	25.0
Less than 50 lb	S	S	S
50 to 99 lb	S	S	45.7
100 to 499 lb	S	31.5	24.9
500 to 749 lb	20.7	22.8	43.2
750 to 999 lb	22.1	23.2	38.5
1,000 to 9,999 lb	S	33.3	23.6
10,000 to 49,999 lb	14.7	13.6	27.0
50,000 to 99,999 lb	6.6	9.5	28.1
100,000 lb or more	16.7	16.7	30.7
SCTG 18, Fuel oils	7.9	10.7	20.9
Less than 50 lb	S	34.1	36.7
50 to 99 lb	26.6	26.7	23.5
100 to 499 lb	38.6	31.1	18.1
500 to 749 lb	33.4	23.8	27.8
750 to 999 lb	25.6	25.5	30.3
1,000 to 9,999 lb	25.3	17.2	21.3
10,000 to 49,999 lb	10.9	10.2	23.1
50,000 to 99,999 lb	13.3	12.3	18.9
100,000 lb or more	15.8	17.5	28.5
SCTG 19, Coal and petroleum products, n.e.c.	10.8	14.2	43.0
Less than 50 lb	21.9	24.2	22.6
50 to 99 lb	37.6	25.8	46.3
100 to 499 lb	18.4	25.7	26.3
500 to 749 lb	39.2	S	46.8
750 to 999 lb	21.8	34.8	36.1
1,000 to 9,999 lb	15.8	19.9	17.4
10,000 to 49,999 lb	14.4	27.9	14.3
50,000 to 99,999 lb	16.1	13.4	17.6
100,000 lb or more	23.3	24.0	S
SCTG 20, Basic chemicals	8.4	18.1	18.9
Less than 50 lb	15.9	18.1	24.6
50 to 99 lb	27.3	19.1	43.3
100 to 499 lb	23.4	19.8	31.9
500 to 749 lb	18.2	17.3	S
750 to 999 lb	27.3	24.9	36.0
1,000 to 9,999 lb	17.5	12.7	26.6
10,000 to 49,999 lb	10.7	22.6	14.2
50,000 to 99,999 lb	16.3	23.4	26.5
100,000 lb or more	13.8	21.8	20.3
SCTG 21, Pharmaceutical products	8.1	14.9	18.4
Less than 50 lb	9.3	10.3	13.4
50 to 99 lb	13.2	13.9	22.1
100 to 499 lb	9.5	13.7	22.1
500 to 749 lb	15.2	18.2	44.4
750 to 999 lb	16.7	14.8	45.1
1,000 to 9,999 lb	22.2	19.5	27.5
10,000 to 49,999 lb	45.4	39.2	35.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	8.5	23.1	26.5
Less than 50 lb	S	S	S
50 to 99 lb	41.0	29.4	42.2
100 to 499 lb	21.4	42.8	26.5
500 to 749 lb	18.5	20.8	30.5
750 to 999 lb	22.3	23.6	33.4
1,000 to 9,999 lb	13.7	14.4	22.3
10,000 to 49,999 lb	12.3	31.7	25.2
50,000 to 99,999 lb	12.4	20.2	19.6
100,000 lb or more	18.9	28.6	32.1
SCTG 23, Chemical products and preparations, n.e.c.	6.5	11.6	15.4
Less than 50 lb	13.3	15.9	15.5
50 to 99 lb	14.2	14.2	19.0
100 to 499 lb	13.9	14.6	9.9
500 to 749 lb	14.1	17.5	20.7
750 to 999 lb	14.0	13.6	16.3
1,000 to 9,999 lb	9.9	8.4	14.1
10,000 to 49,999 lb	16.9	17.5	20.0
50,000 to 99,999 lb	35.2	28.5	20.0
100,000 lb or more	S	46.7	48.1
SCTG 24, Plastics and rubber	4.4	7.6	9.2
Less than 50 lb	11.2	9.5	20.6
50 to 99 lb	7.6	9.4	16.7
100 to 499 lb	8.4	8.7	12.4
500 to 749 lb	11.7	12.7	16.1
750 to 999 lb	10.8	12.6	12.7
1,000 to 9,999 lb	7.6	8.6	11.2
10,000 to 49,999 lb	10.3	10.3	9.8
50,000 to 99,999 lb	44.1	47.9	23.8
100,000 lb or more	39.5	32.3	S

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	8.7	20.0	15.4
Less than 50 lb	S	47.8	S
50 to 99 lb	S	S	S
100 to 499 lb	46.3	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	33.1	37.3	22.4
10,000 to 49,999 lb	14.2	25.5	21.9
50,000 to 99,999 lb	11.8	27.1	14.7
100,000 lb or more	33.6	34.1	46.6
SCTG 26, Wood products	4.8	11.0	6.1
Less than 50 lb	17.3	11.9	21.6
50 to 99 lb	15.6	13.0	15.2
100 to 499 lb	14.3	12.9	36.0
500 to 749 lb	17.1	15.3	S
750 to 999 lb	13.7	12.1	22.9
1,000 to 9,999 lb	9.1	8.2	10.1
10,000 to 49,999 lb	5.1	9.9	8.6
50,000 to 99,999 lb	9.4	13.8	7.4
100,000 lb or more	9.0	25.4	8.4
SCTG 27, Pulp, newsprint, paper, and paperboard	6.3	6.9	8.4
Less than 50 lb	24.2	12.7	25.9
50 to 99 lb	20.2	19.0	21.0
100 to 499 lb	20.1	23.7	14.4
500 to 749 lb	21.6	23.2	18.0
750 to 999 lb	14.8	16.9	38.0
1,000 to 9,999 lb	12.9	8.6	24.9
10,000 to 49,999 lb	7.3	7.7	8.2
50,000 to 99,999 lb	14.5	12.2	12.2
100,000 lb or more	13.4	13.5	12.3
SCTG 28, Paper or paperboard articles	5.2	23.5	10.8
Less than 50 lb	22.9	10.8	25.5
50 to 99 lb	10.3	12.2	25.5
100 to 499 lb	9.6	10.9	16.7
500 to 749 lb	12.2	17.9	18.9
750 to 999 lb	13.0	16.1	40.6
1,000 to 9,999 lb	9.2	9.2	12.0
10,000 to 49,999 lb	8.4	34.5	14.0
50,000 to 99,999 lb	18.3	24.0	36.9
100,000 lb or more	27.4	27.4	39.3
SCTG 29, Printed products	4.0	9.0	18.4
Less than 50 lb	10.1	9.5	13.2
50 to 99 lb	8.4	10.6	17.2
100 to 499 lb	8.2	8.4	22.0
500 to 749 lb	12.1	19.2	31.6
750 to 999 lb	11.5	16.1	36.6
1,000 to 9,999 lb	6.7	11.4	41.9
10,000 to 49,999 lb	7.8	12.1	12.7
50,000 to 99,999 lb	33.2	35.1	35.9
100,000 lb or more	38.5	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	10.2	10.1	9.3
Less than 50 lb	20.3	13.8	17.0
50 to 99 lb	12.3	16.2	26.5
100 to 499 lb	8.9	8.8	11.5
500 to 749 lb	11.8	8.9	17.9
750 to 999 lb	11.6	19.0	15.7
1,000 to 9,999 lb	14.1	8.0	15.8
10,000 to 49,999 lb	34.0	19.9	19.9
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	5.2	7.4	8.3
Less than 50 lb	19.5	18.2	30.4
50 to 99 lb	21.9	16.4	42.2
100 to 499 lb	14.7	14.0	25.6
500 to 749 lb	19.1	12.0	28.2
750 to 999 lb	17.0	12.4	16.7
1,000 to 9,999 lb	14.7	12.7	19.6
10,000 to 49,999 lb	6.3	8.9	7.9
50,000 to 99,999 lb	6.3	6.9	9.6
100,000 lb or more	8.2	17.0	18.0
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	6.9	9.8	9.9
Less than 50 lb	26.6	22.0	S
50 to 99 lb	17.0	12.7	29.6
100 to 499 lb	12.4	8.2	18.6
500 to 749 lb	15.0	8.8	22.0
750 to 999 lb	12.2	8.4	17.8
1,000 to 9,999 lb	13.1	6.5	12.9
10,000 to 49,999 lb	10.1	10.0	14.2
50,000 to 99,999 lb	22.7	16.5	15.0
100,000 lb or more	17.8	24.5	12.2

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	7.4	10.8	12.3
Less than 50 lb	12.3	10.8	16.7
50 to 99 lb	12.9	12.0	16.9
100 to 499 lb	9.1	12.0	15.4
500 to 749 lb	11.9	13.6	18.8
750 to 999 lb	12.7	13.2	12.4
1,000 to 9,999 lb	9.1	10.7	16.5
10,000 to 49,999 lb	11.4	12.0	16.6
50,000 to 99,999 lb	24.8	23.6	38.9
100,000 lb or more	20.6	21.9	33.4
SCTG 34, Machinery	6.0	13.8	24.6
Less than 50 lb	9.2	9.9	19.3
50 to 99 lb	14.5	13.4	20.4
100 to 499 lb	11.4	14.4	21.6
500 to 749 lb	11.0	10.9	15.6
750 to 999 lb	15.0	8.5	11.4
1,000 to 9,999 lb	12.1	8.4	11.5
10,000 to 49,999 lb	10.7	7.6	13.0
50,000 to 99,999 lb	37.0	26.1	41.4
100,000 lb or more	45.7	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	8.0	13.3	25.6
Less than 50 lb	7.5	8.5	14.4
50 to 99 lb	7.8	11.8	13.9
100 to 499 lb	7.9	7.4	11.1
500 to 749 lb	13.4	10.6	17.9
750 to 999 lb	15.2	16.2	23.6
1,000 to 9,999 lb	19.1	24.9	45.8
10,000 to 49,999 lb	19.0	12.9	13.7
50,000 to 99,999 lb	S	33.3	34.8
100,000 lb or more	31.2	S	29.0
SCTG 36, Motorized and other vehicles (including parts)	9.1	12.8	16.1
Less than 50 lb	7.4	6.8	8.9
50 to 99 lb	9.1	10.0	16.4
100 to 499 lb	12.9	13.5	11.1
500 to 749 lb	19.7	15.8	18.5
750 to 999 lb	24.9	12.4	17.6
1,000 to 9,999 lb	11.3	8.8	13.3
10,000 to 49,999 lb	16.9	22.7	23.3
50,000 to 99,999 lb	33.5	40.4	41.7
100,000 lb or more	S	43.6	S
SCTG 37, Transportation equipment, n.e.c.	22.1	22.0	18.3
Less than 50 lb	16.2	19.5	20.9
50 to 99 lb	47.2	19.6	20.1
100 to 499 lb	18.9	26.9	41.0
500 to 749 lb	38.6	28.0	40.6
750 to 999 lb	27.1	41.1	S
1,000 to 9,999 lb	39.7	17.3	24.0
10,000 to 49,999 lb	47.5	30.0	24.0
50,000 to 99,999 lb	42.6	43.9	38.2
100,000 lb or more	39.1	37.6	45.3
SCTG 38, Precision instruments and apparatus	9.3	13.9	14.7
Less than 50 lb	9.4	9.7	11.9
50 to 99 lb	17.5	15.2	16.1
100 to 499 lb	13.6	13.1	16.6
500 to 749 lb	16.2	19.2	23.3
750 to 999 lb	18.0	19.0	33.6
1,000 to 9,999 lb	19.2	25.3	24.9
10,000 to 49,999 lb	21.6	26.4	39.8
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	11.9	11.8	14.3
Less than 50 lb	16.5	15.5	28.4
50 to 99 lb	24.6	17.5	41.6
100 to 499 lb	20.4	18.3	15.2
500 to 749 lb	19.3	21.8	13.1
750 to 999 lb	19.0	19.3	15.0
1,000 to 9,999 lb	13.2	11.0	12.4
10,000 to 49,999 lb	11.7	18.0	20.7
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	46.0	S
SCTG 40, Miscellaneous manufactured products	23.2	20.9	36.2
Less than 50 lb	12.2	12.6	16.4
50 to 99 lb	13.2	17.7	24.4
100 to 499 lb	11.0	10.3	9.3
500 to 749 lb	15.6	17.0	32.1
750 to 999 lb	12.3	9.5	9.6
1,000 to 9,999 lb	22.4	35.6	S
10,000 to 49,999 lb	S	30.9	31.7
50,000 to 99,999 lb	S	S	S
100,000 lb or more	28.5	45.0	34.3

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997**—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	11.9	15.0	18.7
Less than 50 lb	S	S	46.5
50 to 99 lb	S	49.2	43.2
100 to 499 lb	33.7	36.5	48.3
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	36.3	46.6	S
10,000 to 49,999 lb	12.3	17.5	17.2
50,000 to 99,999 lb	22.2	28.8	21.6
100,000 lb or more	23.0	23.4	28.4
SCTG 43, Mixed freight	26.0	32.3	32.3
Less than 50 lb	18.1	15.2	29.3
50 to 99 lb	21.3	15.4	36.4
100 to 499 lb	22.1	18.5	15.5
500 to 749 lb	12.8	12.8	20.2
750 to 999 lb	19.3	14.5	16.5
1,000 to 9,999 lb	25.6	9.5	12.4
10,000 to 49,999 lb	39.8	41.1	39.8
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	18.5	34.0	24.7
Less than 50 lb	17.8	24.1	21.4
50 to 99 lb	27.2	27.3	31.0
100 to 499 lb	46.4	42.2	21.7
500 to 749 lb	38.1	30.7	33.0
750 to 999 lb	30.1	23.5	28.2
1,000 to 9,999 lb	27.8	20.6	32.5
10,000 to 49,999 lb	28.7	33.7	29.5
50,000 to 99,999 lb	49.0	S	41.0
100,000 lb or more	S	S	41.0

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	3.1	3.8	7.7	6.2	3.4	6.3	5.6	9.6	4.5	5.6
Less than 50 lb	3.1	7.4	4.9	6.9	3.7	13.8	12.1	5.1	9.5	9.5
50 to 99 lb	4.5	3.9	5.9	5.6	5.9	4.9	4.9	9.7	6.4	6.1
100 to 499 lb	3.0	3.1	3.5	4.0	3.7	4.2	3.6	11.8	5.4	5.2
500 to 749 lb	4.8	3.3	7.0	5.9	5.2	3.9	3.5	6.4	6.6	6.3
750 to 999 lb	4.8	3.4	5.8	6.5	4.6	5.1	4.7	8.9	6.9	6.9
1,000 to 9,999 lb	3.9	2.5	9.7	8.1	5.0	3.7	4.9	11.9	4.5	4.8
10,000 to 49,999 lb	7.5	5.2	2.2	5.5	5.0	6.7	8.0	24.3	7.3	7.2
50,000 to 99,999 lb	8.0	5.6	5.0	5.6	7.4	7.4	6.6	9.4	7.2	7.0
100,000 lb or more	10.0	6.5	10.8	5.2	16.8	11.1	14.5	23.5	15.3	16.6
SCTG 01, Live animals and live fish	S	S	S	17.0	S	S	S	S	S	S
Less than 50 lb	S	S	S	29.2	S	S	S	—	—	—
50 to 99 lb	S	S	S	22.4	S	S	S	—	—	—
100 to 499 lb	S	S	S	21.1	S	S	S	S	S	S
500 to 749 lb	S	S	S	21.1	S	S	S	—	—	—
750 to 999 lb	S	S	S	23.2	S	S	S	—	—	—
1,000 to 9,999 lb	S	41.8	S	20.3	S	47.5	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	21.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	22.4	—	—	—	—	—	—
SCTG 02, Cereal grains	13.4	14.8	12.4	16.1	18.2	19.2	21.8	20.4	21.0	22.2
Less than 50 lb	S	S	S	29.1	S	S	S	S	S	S
50 to 99 lb	39.6	S	49.3	S	S	S	S	—	—	—
100 to 499 lb	46.6	29.9	S	S	45.7	32.6	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	32.4	S	S	S	S	S	S
1,000 to 9,999 lb	40.2	24.6	35.1	24.1	47.1	27.0	25.7	S	S	S
10,000 to 49,999 lb	20.1	19.8	30.9	30.3	23.7	25.1	40.9	24.4	20.7	22.7
50,000 to 99,999 lb	18.6	19.4	27.3	9.6	18.3	19.5	22.1	29.1	30.3	30.8
100,000 lb or more	15.6	16.4	13.3	12.2	20.6	21.2	35.8	S	49.0	S
SCTG 03, Other agricultural products	7.9	9.9	12.3	30.2	12.7	17.7	15.1	8.4	14.8	15.7
Less than 50 lb	S	S	35.3	S	S	S	S	20.9	26.3	31.5
50 to 99 lb	36.0	25.6	S	24.6	27.8	24.7	27.9	28.3	31.5	31.7
100 to 499 lb	18.3	23.1	31.7	41.5	20.8	23.1	21.3	26.5	32.4	32.3
500 to 749 lb	16.0	22.0	16.3	S	15.9	25.3	17.9	27.5	35.0	32.1
750 to 999 lb	15.9	25.1	21.4	42.0	16.9	29.1	21.7	42.2	42.9	43.2
1,000 to 9,999 lb	13.4	21.0	27.2	15.9	19.2	27.9	20.6	16.3	18.9	19.6
10,000 to 49,999 lb	8.4	9.7	11.1	8.4	14.5	15.9	18.4	15.6	18.8	17.0
50,000 to 99,999 lb	13.8	14.9	27.6	20.9	21.4	26.3	18.6	25.2	43.5	49.4
100,000 lb or more	18.3	28.8	24.1	17.3	37.0	46.6	37.2	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	12.2	11.8	12.3	29.3	17.1	15.1	31.5	19.5	21.1	21.4
Less than 50 lb	38.7	36.3	S	31.6	44.3	44.0	S	47.0	45.3	45.8
50 to 99 lb	46.5	S	S	S	45.7	S	S	S	46.8	45.7
100 to 499 lb	33.1	31.7	S	39.3	34.9	35.6	40.9	47.6	47.6	46.1
500 to 749 lb	38.7	31.7	S	34.2	35.5	31.6	33.6	44.1	42.1	40.8
750 to 999 lb	S	34.2	S	26.1	34.0	32.4	33.9	S	S	S
1,000 to 9,999 lb	21.5	18.7	23.5	24.6	21.4	19.0	25.6	41.9	32.9	33.4
10,000 to 49,999 lb	13.1	13.3	15.8	19.3	19.7	17.0	33.6	20.0	24.1	23.9
50,000 to 99,999 lb	17.6	17.6	22.1	14.6	23.1	22.2	39.8	31.8	23.1	26.4
100,000 lb or more	20.2	17.7	16.4	16.8	41.3	29.3	31.7	43.8	44.4	43.7
SCTG 05, Meat, fish, seafood, and their preparations	8.6	14.5	14.3	28.7	11.4	22.2	25.5	15.7	15.8	16.1
Less than 50 lb	20.9	19.1	33.5	S	22.3	20.4	25.2	28.3	23.5	22.7
50 to 99 lb	16.7	16.8	36.7	49.0	18.3	18.4	20.1	35.5	27.5	27.4
100 to 499 lb	11.4	12.7	10.7	49.8	14.0	15.9	14.0	23.2	18.8	19.2
500 to 749 lb	13.8	14.1	12.2	26.8	17.2	16.2	14.5	19.3	23.5	22.4
750 to 999 lb	13.1	13.7	11.6	28.3	16.4	17.0	21.2	28.0	28.1	28.5
1,000 to 9,999 lb	12.0	9.2	13.5	19.4	15.4	12.2	13.9	15.1	13.5	13.8
10,000 to 49,999 lb	11.4	21.7	13.1	9.9	16.4	41.6	43.4	20.7	14.8	15.2
50,000 to 99,999 lb	30.0	31.9	46.1	41.1	29.5	S	S	S	S	S
100,000 lb or more	28.6	31.2	42.2	22.1	S	48.3	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	10.5	16.4	16.7	39.7	11.3	18.2	33.2	17.7	19.7	19.8
Less than 50 lb	36.7	48.5	32.7	S	41.7	S	43.6	28.6	40.9	40.4
50 to 99 lb	31.5	33.6	49.4	S	34.6	35.4	35.0	42.4	S	S
100 to 499 lb	17.3	16.1	18.1	35.8	21.5	18.6	19.8	24.5	24.2	24.7
500 to 749 lb	19.3	19.0	29.1	32.7	20.8	23.1	28.8	30.8	23.0	22.4
750 to 999 lb	19.7	39.3	31.3	35.1	17.8	36.5	27.9	41.8	S	S
1,000 to 9,999 lb	11.9	14.9	22.4	20.1	14.8	18.4	20.6	23.3	17.4	17.7
10,000 to 49,999 lb	13.4	21.2	13.7	14.1	16.7	29.7	S	20.2	25.9	26.4
50,000 to 99,999 lb	25.7	24.8	34.5	41.4	27.6	28.1	40.8	S	S	S
100,000 lb or more	30.2	42.5	41.9	15.1	43.9	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	3.9	9.4	5.4	25.3	6.5	13.8	19.1	6.5	8.5	8.2
Less than 50 lb	22.1	S	25.0	S	29.3	S	S	32.1	28.6	26.6
50 to 99 lb	18.0	15.2	19.6	27.8	18.4	17.3	17.7	22.2	20.4	19.5
100 to 499 lb	12.5	12.5	18.9	21.9	15.3	14.2	13.5	16.3	18.5	18.1
500 to 749 lb	10.3	11.8	14.9	19.2	12.4	12.6	14.3	17.2	17.7	18.2
750 to 999 lb	14.7	15.7	15.7	17.5	19.9	18.5	17.8	21.6	17.0	17.6
1,000 to 9,999 lb	11.7	12.1	10.3	7.8	15.6	13.4	15.8	10.7	13.6	14.0
10,000 to 49,999 lb	5.9	14.1	6.1	9.1	7.3	22.0	29.3	9.1	12.1	11.4
50,000 to 99,999 lb	14.9	21.7	17.1	22.3	17.7	23.1	20.9	25.0	24.0	29.9
100,000 lb or more	9.4	15.3	13.2	4.8	28.4	38.9	49.5	S	S	S
SCTG 08, Alcoholic beverages	8.8	11.4	24.4	22.8	6.1	5.9	8.0	10.9	13.0	12.7
Less than 50 lb	36.4	30.3	S	22.0	16.3	8.2	8.8	32.0	25.1	26.8
50 to 99 lb	10.2	7.4	10.6	14.4	10.8	9.7	10.8	21.4	15.2	16.0
100 to 499 lb	5.9	5.4	10.3	8.8	6.2	5.9	7.0	19.3	14.3	14.1
500 to 749 lb	8.3	9.0	14.3	9.3	8.9	9.7	11.2	21.2	14.9	15.0
750 to 999 lb	7.9	10.1	20.8	11.5	9.2	11.2	10.7	20.5	14.1	14.9
1,000 to 9,999 lb	8.0	7.3	24.0	14.7	6.9	7.2	8.6	20.5	19.8	21.9
10,000 to 49,999 lb	16.2	15.8	19.0	12.3	17.2	14.6	19.2	21.7	23.2	22.6
50,000 to 99,999 lb	30.4	19.6	44.4	23.5	S	S	S	35.5	36.2	35.5
100,000 lb or more	24.5	34.6	38.4	14.9	S	S	47.8	S	S	S
SCTG 09, Tobacco products	15.7	27.0	31.3	16.9	16.4	19.3	19.1	20.0	S	S
Less than 50 lb	49.8	41.6	S	17.0	18.4	20.9	30.8	34.8	27.9	36.0
50 to 99 lb	15.3	14.0	S	45.5	16.5	15.5	22.1	20.6	19.6	20.6
100 to 499 lb	18.1	14.4	18.7	16.0	25.1	19.3	16.5	17.6	14.2	14.2
500 to 749 lb	35.3	27.2	37.0	13.7	24.3	23.2	27.5	44.2	32.3	34.6
750 to 999 lb	44.5	27.1	28.4	26.6	S	38.2	46.2	39.6	37.6	39.6
1,000 to 9,999 lb	26.8	31.6	43.6	17.3	29.6	38.0	37.3	35.4	36.8	36.4
10,000 to 49,999 lb	S	S	S	21.7	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	47.2	39.0	41.8	S	S	44.2	S	S	47.7	42.6
Less than 50 lb	S	S	S	23.2	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	37.6	S	31.4	S	44.6	46.4	S	S	S
500 to 749 lb	S	S	S	23.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.0	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	36.2	S	43.6	S	36.7	44.0	S	47.8	42.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	48.5	S	S	S	S	—	—	—
SCTG 11, Natural sands	15.7	18.0	16.3	25.3	20.2	20.1	23.1	17.9	27.6	27.5
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	26.3	S	S	S	—	—	—
100 to 499 lb	S	24.0	S	24.0	S	28.6	34.8	S	S	S
500 to 749 lb	43.6	32.3	S	34.1	42.4	32.7	43.2	S	S	S
750 to 999 lb	45.7	42.0	S	25.7	S	S	49.6	S	S	S
1,000 to 9,999 lb	41.7	22.7	27.1	27.9	26.9	19.0	21.2	45.7	S	S
10,000 to 49,999 lb	26.5	12.8	21.5	35.7	33.6	13.3	15.0	34.1	42.9	43.1
50,000 to 99,999 lb	16.3	11.5	18.8	20.5	19.8	14.0	15.3	27.6	25.6	25.5
100,000 lb or more	32.6	45.2	29.8	S	36.6	49.4	S	S	S	S
SCTG 12, Gravel and crushed stone	10.5	11.6	12.9	15.8	11.4	12.2	14.9	16.4	17.8	18.0
Less than 50 lb	S	S	S	22.4	S	S	S	—	—	—
50 to 99 lb	S	S	S	22.4	S	S	S	—	—	—
100 to 499 lb	S	S	S	16.0	S	S	S	—	—	—
500 to 749 lb	S	S	S	18.6	S	S	S	S	S	S
750 to 999 lb	S	49.8	S	19.9	S	49.8	S	—	—	—
1,000 to 9,999 lb	33.9	27.6	26.2	11.1	35.1	27.6	27.2	S	41.4	41.2
10,000 to 49,999 lb	14.7	15.2	22.8	23.0	15.2	14.9	17.8	28.1	29.5	30.5
50,000 to 99,999 lb	14.4	16.1	14.6	7.5	15.7	16.7	18.1	21.9	20.1	19.5
100,000 lb or more	22.0	29.2	29.9	21.4	23.6	32.0	40.9	48.9	46.3	49.9
SCTG 13, Nonmetallic minerals n.e.c.	32.4	18.7	23.8	17.9	S	40.1	42.3	24.2	26.4	26.9
Less than 50 lb	39.6	39.8	37.4	S	S	46.2	S	S	S	S
50 to 99 lb	S	S	33.8	S	S	S	S	S	S	S
100 to 499 lb	26.9	22.6	25.3	46.0	30.4	24.4	27.5	S	S	S
500 to 749 lb	48.0	48.9	S	20.5	S	44.9	S	S	S	S
750 to 999 lb	S	34.6	S	26.2	44.5	45.9	S	S	S	S
1,000 to 9,999 lb	S	44.1	29.5	S	S	S	36.0	40.7	S	S
10,000 to 49,999 lb	38.9	30.5	39.8	16.1	S	S	S	38.1	35.0	34.1
50,000 to 99,999 lb	S	18.3	S	20.6	S	29.5	27.9	30.8	30.6	29.6
100,000 lb or more	25.6	29.9	22.8	5.6	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	12.2	29.4	18.6	25.4	22.9	48.6	28.7	43.1	44.2	42.4
Less than 50 lb	46.6	S	37.7	S	S	S	S	S	S	S
50 to 99 lb	S	44.9	35.2	S	S	45.9	S	S	S	S
100 to 499 lb	36.9	42.5	S	34.5	S	30.3	32.9	S	S	S
500 to 749 lb	S	33.4	S	36.3	S	48.1	S	S	S	S
750 to 999 lb	S	S	S	28.7	S	S	S	—	—	—
1,000 to 9,999 lb	37.5	37.9	48.7	S	S	S	48.9	S	S	S
10,000 to 49,999 lb	20.0	29.4	26.7	27.4	42.6	S	S	36.8	44.4	46.9
50,000 to 99,999 lb	37.0	24.9	23.0	39.3	37.6	31.3	33.9	S	S	S
100,000 lb or more	17.9	34.8	25.9	39.3	34.3	S	44.2	S	S	S
SCTG 15, Coal	5.4	10.1	15.3	S	15.6	15.8	19.0	26.1	24.7	26.8
Less than 50 lb	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	47.0	49.2	S	28.4	47.0	49.2	S	—	—	—
500 to 749 lb	S	S	S	22.0	S	S	S	—	—	—
750 to 999 lb	S	S	S	22.3	S	S	S	—	—	—
1,000 to 9,999 lb	S	32.0	34.4	29.6	S	32.8	32.4	S	S	S
10,000 to 49,999 lb	S	38.8	48.1	40.4	49.8	43.6	38.4	S	49.6	49.7
50,000 to 99,999 lb	29.0	34.0	42.4	23.0	31.9	30.2	37.6	S	S	S
100,000 lb or more	5.9	10.5	15.3	18.3	17.4	17.6	25.5	28.7	26.4	28.2
SCTG 17, Gasoline and aviation turbine fuel	9.3	9.2	25.0	19.9	10.3	10.6	8.1	25.0	30.4	23.3
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	45.7	S	S	S	48.1	—	—	—
100 to 499 lb	S	31.5	24.9	24.6	S	31.6	19.6	S	S	S
500 to 749 lb	20.7	22.8	43.2	14.8	21.2	21.8	33.0	S	S	S
750 to 999 lb	22.1	23.2	38.5	24.6	22.8	24.0	45.6	S	S	S
1,000 to 9,999 lb	S	33.3	23.6	21.7	S	35.7	35.1	S	42.3	43.0
10,000 to 49,999 lb	14.7	13.6	27.0	25.0	13.6	10.2	11.8	22.5	20.2	21.0
50,000 to 99,999 lb	6.6	9.5	28.1	26.8	6.1	8.9	10.6	13.4	13.2	13.9
100,000 lb or more	16.7	16.7	30.7	17.7	22.1	21.9	17.2	S	S	S
SCTG 18, Fuel oils	7.9	10.7	20.9	17.1	10.0	12.6	14.4	12.3	15.2	14.0
Less than 50 lb	S	34.1	36.7	47.1	S	35.3	44.0	S	S	S
50 to 99 lb	26.6	26.7	23.5	38.0	28.4	28.7	31.3	S	S	S
100 to 499 lb	38.6	31.1	18.1	S	32.1	31.3	18.9	S	S	S
500 to 749 lb	33.4	23.8	27.8	22.6	26.0	24.9	22.7	S	S	S
750 to 999 lb	25.6	25.5	30.3	24.9	25.6	26.0	21.5	S	S	S
1,000 to 9,999 lb	25.3	17.2	21.3	11.9	26.9	17.1	25.7	37.3	42.2	43.9
10,000 to 49,999 lb	10.9	10.2	23.1	26.9	11.2	10.4	15.5	25.5	23.7	24.5
50,000 to 99,999 lb	13.3	12.3	18.9	19.2	13.0	12.1	18.1	25.0	24.3	21.3
100,000 lb or more	15.8	17.5	28.5	49.5	21.1	22.0	25.6	33.2	39.9	41.1
SCTG 19, Coal and petroleum products, n.e.c.	10.8	14.2	43.0	25.4	13.0	20.6	35.8	17.4	42.5	S
Less than 50 lb	21.9	24.2	22.6	S	27.0	27.0	21.4	S	S	S
50 to 99 lb	37.6	25.8	46.3	23.6	39.6	27.6	26.0	S	42.3	47.0
100 to 499 lb	18.4	25.7	26.3	18.9	19.5	29.0	32.7	32.1	32.5	36.0
500 to 749 lb	39.2	S	46.8	28.1	45.0	S	S	38.3	32.7	32.0
750 to 999 lb	21.8	34.8	36.1	17.4	22.4	36.9	29.9	40.8	45.7	45.5
1,000 to 9,999 lb	15.8	19.9	17.4	27.1	18.0	22.1	17.4	23.6	22.0	24.3
10,000 to 49,999 lb	14.4	27.9	14.3	17.1	17.4	34.4	41.0	15.1	14.4	14.8
50,000 to 99,999 lb	16.1	13.4	17.6	20.3	20.4	17.8	20.1	20.0	21.2	22.8
100,000 lb or more	23.3	24.0	S	13.8	28.5	37.5	S	S	S	S
SCTG 20, Basic chemicals	8.4	18.1	18.9	14.0	13.3	23.4	26.2	14.2	30.6	32.9
Less than 50 lb	15.9	18.1	24.6	10.8	20.2	19.0	19.7	31.5	35.4	32.3
50 to 99 lb	27.3	19.1	43.3	23.2	20.3	20.9	17.1	46.9	38.2	42.1
100 to 499 lb	23.4	19.8	31.9	36.6	34.8	23.0	23.7	21.1	30.8	29.8
500 to 749 lb	18.2	17.3	S	31.0	19.7	19.3	19.1	41.6	28.1	29.7
750 to 999 lb	27.3	24.9	36.0	27.1	21.0	27.6	29.6	S	49.0	S
1,000 to 9,999 lb	17.5	12.7	26.6	18.6	18.8	14.0	13.3	37.2	26.9	25.8
10,000 to 49,999 lb	10.7	22.6	14.2	15.6	14.6	33.4	29.2	19.4	31.4	32.1
50,000 to 99,999 lb	16.3	23.4	26.5	10.4	27.5	29.7	32.3	26.1	40.3	43.5
100,000 lb or more	13.8	21.8	20.3	7.1	33.0	35.6	47.9	26.8	S	S
SCTG 21, Pharmaceutical products	8.1	14.9	18.4	10.2	15.4	29.4	11.2	17.5	14.3	14.9
Less than 50 lb	9.3	10.3	13.4	10.3	18.7	13.8	13.4	24.1	22.1	21.1
50 to 99 lb	13.2	13.9	22.1	15.6	19.2	18.0	12.9	32.2	24.7	26.3
100 to 499 lb	9.5	13.7	22.1	14.0	17.5	20.1	26.4	26.4	15.7	15.7
500 to 749 lb	15.2	18.2	44.4	33.2	27.9	25.3	29.4	S	41.3	40.6
750 to 999 lb	16.7	14.8	45.1	28.0	33.3	22.5	26.8	46.7	41.6	42.3
1,000 to 9,999 lb	22.2	19.5	27.5	25.1	33.3	21.9	23.3	S	30.7	31.7
10,000 to 49,999 lb	45.4	39.2	35.3	32.8	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	21.8	S	S	S	—	—	—
100,000 lb or more	S	S	S	22.4	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	8.5	23.1	26.5	8.2	12.1	25.1	40.6	17.5	42.0	38.8
Less than 50 lb	S	S	S	S	49.2	S	46.7	S	S	S
50 to 99 lb	41.0	29.4	42.2	31.1	28.2	32.5	27.5	S	45.2	44.7
100 to 499 lb	21.4	42.8	26.5	25.0	18.3	47.3	S	49.7	49.1	49.4
500 to 749 lb	18.5	20.8	30.5	18.6	19.5	22.3	24.5	S	44.4	47.3
750 to 999 lb	22.3	23.6	33.4	47.3	21.6	26.6	19.9	S	S	S
1,000 to 9,999 lb	13.7	14.4	22.3	10.7	14.1	14.6	15.6	19.8	17.9	20.8
10,000 to 49,999 lb	12.3	31.7	25.2	14.1	15.3	32.2	S	18.8	49.0	47.0
50,000 to 99,999 lb	12.4	20.2	19.6	8.4	13.2	20.6	34.9	22.6	46.1	41.3
100,000 lb or more	18.9	28.6	32.1	8.0	33.7	38.6	47.9	S	47.9	48.5
SCTG 23, Chemical products and preparations, n.e.c.	6.5	11.6	15.4	10.4	8.9	12.0	11.4	18.2	10.6	10.7
Less than 50 lb	13.3	15.9	15.5	12.8	14.2	15.5	17.0	23.9	29.9	29.1
50 to 99 lb	14.2	14.2	19.0	19.0	13.8	17.2	18.5	18.5	16.0	15.2
100 to 499 lb	13.9	14.6	9.9	12.3	14.1	16.4	19.8	45.9	32.2	35.3
500 to 749 lb	14.1	17.5	20.7	12.4	14.7	20.2	21.2	48.4	21.9	21.5
750 to 999 lb	14.0	13.6	16.3	10.3	16.0	15.7	15.1	25.6	38.8	34.1
1,000 to 9,999 lb	9.9	8.4	14.1	7.4	9.6	8.3	8.7	22.1	14.9	14.6
10,000 to 49,999 lb	16.9	17.5	20.0	11.3	17.1	20.3	20.1	17.1	14.7	15.8
50,000 to 99,999 lb	35.2	28.5	20.0	21.9	S	41.2	28.8	19.1	19.5	19.4
100,000 lb or more	S	46.7	48.1	17.2	S	49.6	S	S	S	S
SCTG 24, Plastics and rubber	4.4	7.6	9.2	10.2	5.5	12.1	12.9	16.4	21.2	19.2
Less than 50 lb	11.2	9.5	20.6	11.3	16.2	11.3	10.8	14.3	18.9	18.0
50 to 99 lb	7.6	9.4	16.7	14.5	10.5	11.5	9.9	18.3	26.7	29.1
100 to 499 lb	8.4	8.7	12.4	10.7	8.8	12.3	11.0	12.7	10.3	10.5
500 to 749 lb	11.7	12.7	16.1	12.3	18.6	19.4	23.6	9.8	15.4	18.6
750 to 999 lb	10.8	12.6	12.7	12.0	9.8	14.1	15.7	24.7	24.9	24.5
1,000 to 9,999 lb	7.6	8.6	11.2	10.5	8.0	11.5	13.7	23.1	25.3	23.6
10,000 to 49,999 lb	10.3	10.3	9.8	9.2	14.3	14.8	18.0	36.1	30.3	26.3
50,000 to 99,999 lb	44.1	47.9	23.8	S	S	S	47.3	43.5	S	S
100,000 lb or more	39.5	32.3	S	44.7	S	S	40.3	S	S	S
SCTG 25, Logs and other wood in the rough	8.7	20.0	15.4	15.4	11.2	25.7	14.3	16.4	19.4	19.2
Less than 50 lb	S	47.8	S	27.6	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	46.3	S	S	47.7	S	S	S	S	S	S
500 to 749 lb	S	S	S	32.9	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	33.1	37.3	22.4	37.4	33.9	44.1	41.7	39.4	34.7	36.1
10,000 to 49,999 lb	14.2	25.5	21.9	32.7	21.9	30.4	40.0	35.5	35.5	38.1
50,000 to 99,999 lb	11.8	27.1	14.7	17.6	14.1	34.2	18.4	20.5	21.9	22.2
100,000 lb or more	33.6	34.1	46.6	S	45.3	39.8	43.7	44.6	44.4	41.0
SCTG 26, Wood products	4.8	11.0	6.1	7.8	7.7	22.5	19.4	8.5	21.4	22.0
Less than 50 lb	17.3	11.9	21.6	10.3	18.6	13.4	16.4	38.1	29.3	30.9
50 to 99 lb	15.6	13.0	15.2	14.4	23.0	13.8	11.0	33.7	33.6	34.2
100 to 499 lb	14.3	12.9	36.0	16.6	12.2	12.6	12.7	21.5	22.9	23.9
500 to 749 lb	17.1	15.3	S	21.8	18.8	15.7	17.2	25.9	25.6	25.5
750 to 999 lb	13.7	12.1	22.9	17.8	16.3	12.0	12.3	31.3	30.0	31.5
1,000 to 9,999 lb	9.1	8.2	10.1	8.2	10.3	11.2	6.4	15.5	11.4	11.4
10,000 to 49,999 lb	5.1	9.9	8.6	8.1	9.1	14.1	16.1	11.9	17.8	16.5
50,000 to 99,999 lb	9.4	13.8	7.4	9.2	15.7	21.5	22.7	13.2	25.1	21.9
100,000 lb or more	9.0	25.4	8.4	5.4	43.1	S	S	40.9	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	6.3	6.9	8.4	18.1	11.1	8.0	9.7	10.5	13.4	12.5
Less than 50 lb	24.2	12.7	25.9	28.2	27.4	14.2	18.2	33.6	18.5	17.5
50 to 99 lb	20.2	19.0	21.0	19.5	23.7	21.9	28.3	32.7	24.2	24.7
100 to 499 lb	20.1	23.7	14.4	15.6	25.4	29.7	36.8	19.6	17.2	16.5
500 to 749 lb	21.6	23.2	18.0	35.6	27.1	27.9	36.1	31.0	27.5	30.7
750 to 999 lb	14.8	16.9	38.0	22.5	19.8	21.2	16.4	24.9	25.8	25.9
1,000 to 9,999 lb	12.9	8.6	24.9	16.5	17.5	8.9	9.3	15.2	13.1	14.0
10,000 to 49,999 lb	7.3	7.7	8.2	6.6	12.1	13.2	14.3	19.0	19.6	18.7
50,000 to 99,999 lb	14.5	12.2	12.2	29.6	34.8	25.0	25.5	24.7	24.8	24.0
100,000 lb or more	13.4	13.5	12.3	6.4	27.4	24.3	26.9	28.9	24.4	24.0
SCTG 28, Paper or paperboard articles	5.2	23.5	10.8	14.2	8.4	37.8	44.1	12.1	10.3	10.4
Less than 50 lb	22.9	10.8	25.5	12.4	14.4	11.1	12.8	25.7	13.2	13.9
50 to 99 lb	10.3	12.2	25.5	17.2	9.8	13.7	14.2	21.5	19.3	19.4
100 to 499 lb	9.6	10.9	16.7	17.1	12.9	14.2	14.5	17.1	17.6	17.6
500 to 749 lb	12.2	17.9	18.9	28.9	14.3	22.1	23.9	30.4	30.5	30.7
750 to 999 lb	13.0	16.1	40.6	20.3	14.6	16.0	23.7	35.7	38.8	38.5
1,000 to 9,999 lb	9.2	9.2	12.0	12.8	11.3	13.0	13.4	23.6	16.8	17.2
10,000 to 49,999 lb	8.4	34.5	14.0	15.3	18.0	S	S	13.4	13.8	13.0
50,000 to 99,999 lb	18.3	24.0	36.9	17.5	20.3	26.8	32.1	35.0	S	S
100,000 lb or more	27.4	27.4	39.3	32.6	36.1	40.1	30.3	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	4.0	9.0	18.4	13.6	5.2	10.1	11.7	17.7	12.1	11.7
Less than 50 lb	10.1	9.5	13.2	15.3	11.7	10.1	16.0	45.6	43.7	43.9
50 to 99 lb	8.4	10.6	17.2	20.0	9.8	13.5	15.4	29.3	27.9	28.4
100 to 499 lb	8.2	8.4	22.0	13.6	8.4	9.2	15.1	15.1	18.1	16.9
500 to 749 lb	12.1	19.2	31.6	15.0	22.2	23.2	47.4	26.7	46.5	46.6
750 to 999 lb	11.5	16.1	36.6	16.7	18.4	18.8	25.5	33.5	31.6	29.0
1,000 to 9,999 lb	6.7	11.4	41.9	16.1	8.9	10.8	13.3	14.5	19.4	20.4
10,000 to 49,999 lb	7.8	12.1	12.7	20.0	12.8	15.6	15.2	20.9	22.9	21.0
50,000 to 99,999 lb	33.2	35.1	35.9	S	38.9	38.6	39.9	S	S	S
100,000 lb or more	38.5	S	S	S	43.7	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	10.2	10.1	9.3	3.8	12.2	12.3	16.0	13.1	24.8	26.0
Less than 50 lb	20.3	13.8	17.0	2.8	14.7	15.2	11.9	16.0	12.8	13.5
50 to 99 lb	12.3	16.2	26.5	6.0	19.4	12.4	14.1	20.3	11.9	12.8
100 to 499 lb	8.9	8.8	11.5	9.4	17.1	18.1	17.2	17.1	15.8	14.9
500 to 749 lb	11.8	8.9	17.9	13.7	17.3	17.9	23.6	25.3	24.2	24.5
750 to 999 lb	11.6	19.0	15.7	18.1	24.7	32.9	42.7	S	35.3	36.0
1,000 to 9,999 lb	14.1	8.0	15.8	13.7	18.0	14.5	20.0	15.7	20.3	19.5
10,000 to 49,999 lb	34.0	19.9	19.9	14.0	28.4	20.5	26.5	32.3	40.0	38.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.3	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	5.2	7.4	8.3	15.1	7.5	9.3	10.1	9.4	12.2	12.7
Less than 50 lb	19.5	18.2	30.4	16.3	33.6	22.8	24.2	32.0	30.5	26.9
50 to 99 lb	21.9	16.4	42.2	13.9	15.1	14.2	18.6	17.5	18.3	16.2
100 to 499 lb	14.7	14.0	25.6	14.8	16.5	13.8	12.9	20.5	24.3	23.4
500 to 749 lb	19.1	12.0	28.2	28.5	17.9	14.1	16.2	27.5	21.9	23.3
750 to 999 lb	17.0	12.4	16.7	13.6	20.3	11.6	14.1	29.3	34.3	36.2
1,000 to 9,999 lb	14.7	12.7	19.6	13.0	16.8	13.8	17.0	21.9	18.8	18.4
10,000 to 49,999 lb	6.3	8.9	7.9	9.4	9.2	10.0	10.6	14.2	16.6	15.5
50,000 to 99,999 lb	6.3	6.9	9.6	4.9	9.6	9.7	7.7	11.0	11.8	11.5
100,000 lb or more	8.2	17.0	18.0	21.5	18.6	29.0	37.1	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	6.9	9.8	9.9	14.9	7.5	15.5	16.0	26.2	28.6	32.3
Less than 50 lb	26.6	22.0	S	13.4	15.1	14.6	13.4	23.3	20.8	21.0
50 to 99 lb	17.0	12.7	29.6	16.8	16.5	13.6	15.7	26.8	18.7	19.5
100 to 499 lb	12.4	8.2	18.6	19.0	11.4	9.5	12.0	22.7	12.3	11.7
500 to 749 lb	15.0	8.8	22.0	20.4	17.2	10.5	13.2	26.9	16.9	17.0
750 to 999 lb	12.2	8.4	17.8	11.9	12.7	9.7	10.1	23.9	21.9	22.0
1,000 to 9,999 lb	13.1	6.5	12.9	11.5	9.2	9.2	11.8	13.7	12.2	12.4
10,000 to 49,999 lb	10.1	10.0	14.2	12.0	14.1	12.9	15.5	30.0	27.0	30.3
50,000 to 99,999 lb	22.7	16.5	15.0	17.4	20.2	21.5	20.3	S	S	S
100,000 lb or more	17.8	24.5	12.2	7.1	43.7	S	S	S	S	S
SCTG 33, Articles of base metal	7.4	10.8	12.3	11.4	9.1	12.1	12.7	9.1	12.7	11.9
Less than 50 lb	12.3	10.8	16.7	13.4	20.3	16.5	21.1	17.8	17.3	16.1
50 to 99 lb	12.9	12.0	16.9	11.4	22.9	16.9	19.7	26.0	17.1	17.3
100 to 499 lb	9.1	12.0	15.4	8.7	11.0	13.5	14.7	17.2	18.8	17.3
500 to 749 lb	11.9	13.6	18.8	15.7	12.4	15.9	18.5	29.8	22.9	22.2
750 to 999 lb	12.7	13.2	12.4	13.6	13.7	17.3	22.3	18.6	19.9	21.1
1,000 to 9,999 lb	9.1	10.7	16.5	6.8	13.4	12.6	13.6	14.0	11.5	10.9
10,000 to 49,999 lb	11.4	12.0	16.6	9.5	13.2	15.2	15.8	17.0	16.4	15.3
50,000 to 99,999 lb	24.8	23.6	38.9	13.4	26.2	29.1	31.5	49.1	S	50.0
100,000 lb or more	20.6	21.9	33.4	21.0	37.7	29.6	31.1	S	S	S
SCTG 34, Machinery	6.0	13.8	24.6	8.5	6.5	12.9	23.4	9.6	12.8	18.2
Less than 50 lb	9.2	9.9	19.3	9.2	12.2	11.9	12.6	20.2	11.7	11.7
50 to 99 lb	14.5	13.4	20.4	13.4	26.3	20.7	20.5	20.8	15.7	13.4
100 to 499 lb	11.4	14.4	21.6	11.8	13.2	19.4	21.3	12.6	10.7	10.1
500 to 749 lb	11.0	10.9	15.6	11.0	13.7	15.8	27.8	34.3	28.3	27.8
750 to 999 lb	15.0	8.5	11.4	12.7	23.2	16.0	23.9	31.1	22.9	23.4
1,000 to 9,999 lb	12.1	8.4	11.5	6.2	13.6	13.6	11.8	21.7	15.9	16.7
10,000 to 49,999 lb	10.7	7.6	13.0	9.9	19.1	17.8	28.4	37.3	44.8	S
50,000 to 99,999 lb	37.0	26.1	41.4	20.9	S	34.3	30.4	S	S	S
100,000 lb or more	45.7	S	S	20.2	43.6	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	8.0	13.3	25.6	5.7	7.1	7.3	9.0	22.3	18.0	17.0
Less than 50 lb	7.5	8.5	14.4	5.7	7.1	9.8	7.1	14.1	11.4	10.5
50 to 99 lb	7.8	11.8	13.9	10.8	13.4	19.0	15.9	23.5	16.1	16.1
100 to 499 lb	7.9	7.4	11.1	8.3	9.9	11.1	9.7	39.6	17.0	17.2
500 to 749 lb	13.4	10.6	17.9	8.6	17.4	11.8	11.4	23.3	26.4	25.9
750 to 999 lb	15.2	16.2	23.6	13.4	22.7	26.9	19.3	S	37.8	36.7
1,000 to 9,999 lb	19.1	24.9	45.8	9.3	11.7	9.6	10.6	S	31.6	32.6
10,000 to 49,999 lb	19.0	12.9	13.7	10.1	29.7	21.3	26.1	43.4	40.4	33.0
50,000 to 99,999 lb	S	33.3	34.8	25.0	S	S	S	S	S	S
100,000 lb or more	31.2	S	29.0	S	46.5	S	S	—	—	—

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	9.1	12.8	16.1	9.4	15.2	15.7	14.0	9.2	12.1	13.3
Less than 50 lb	7.4	6.8	8.9	11.6	9.9	10.7	8.7	13.3	16.5	18.6
50 to 99 lb	9.1	10.0	16.4	12.5	13.2	15.3	18.4	13.8	13.0	13.8
100 to 499 lb	12.9	13.5	11.1	10.8	13.9	17.5	24.8	15.8	14.1	14.3
500 to 749 lb	19.7	15.8	18.5	13.4	22.2	16.5	22.9	31.1	33.7	32.4
750 to 999 lb	24.9	12.4	17.6	15.7	27.4	21.9	16.7	31.9	31.5	31.9
1,000 to 9,999 lb	11.3	8.8	13.3	11.0	17.3	16.0	19.3	15.4	23.7	26.3
10,000 to 49,999 lb	16.9	22.7	23.3	8.1	20.2	23.7	25.1	23.6	20.0	22.7
50,000 to 99,999 lb	33.5	40.4	41.7	26.8	34.4	27.1	37.6	S	S	S
100,000 lb or more	S	43.6	S	23.1	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	22.1	22.0	18.3	10.8	49.4	31.2	45.9	21.8	29.1	36.5
Less than 50 lb	16.2	19.5	20.9	11.0	13.4	26.8	27.9	31.8	18.6	17.9
50 to 99 lb	47.2	19.6	20.1	12.2	19.1	29.8	30.8	S	44.1	43.4
100 to 499 lb	18.9	26.9	41.0	12.1	24.1	42.3	39.2	40.1	40.7	37.3
500 to 749 lb	38.6	28.0	40.6	17.1	S	39.6	38.3	S	S	S
750 to 999 lb	27.1	41.1	S	14.3	S	S	S	S	S	S
1,000 to 9,999 lb	39.7	17.3	24.0	14.9	34.2	26.1	37.4	33.0	47.3	S
10,000 to 49,999 lb	47.5	30.0	24.0	19.2	33.3	40.5	S	S	S	S
50,000 to 99,999 lb	42.6	43.9	38.2	S	S	S	S	—	—	—
100,000 lb or more	39.1	37.6	45.3	33.0	S	41.3	S	—	—	—
SCTG 38, Precision instruments and apparatus	9.3	13.9	14.7	4.4	14.7	24.4	31.1	19.1	32.7	30.7
Less than 50 lb	9.4	9.7	11.9	4.4	11.6	14.0	12.2	20.1	16.0	16.9
50 to 99 lb	17.5	15.2	16.1	8.2	22.9	26.5	26.5	S	32.8	30.9
100 to 499 lb	13.6	13.1	16.6	8.9	25.7	20.5	24.4	35.7	32.1	32.2
500 to 749 lb	16.2	19.2	23.3	13.2	31.6	36.2	38.4	41.1	S	S
750 to 999 lb	18.0	19.0	33.6	14.0	36.0	31.6	37.7	S	S	S
1,000 to 9,999 lb	19.2	25.3	24.9	15.0	34.1	38.0	44.6	S	S	S
10,000 to 49,999 lb	21.6	26.4	39.8	16.4	47.8	36.5	41.0	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	11.9	11.8	14.3	11.1	16.6	16.7	17.1	12.5	16.1	15.6
Less than 50 lb	16.5	15.5	28.4	12.3	22.0	19.3	24.2	37.0	33.0	36.4
50 to 99 lb	24.6	17.5	41.6	14.2	18.5	15.6	19.8	48.1	37.1	34.2
100 to 499 lb	20.4	18.3	15.2	14.4	30.2	28.2	31.7	21.1	17.6	18.1
500 to 749 lb	19.3	21.8	13.1	16.1	30.6	35.1	40.9	28.6	22.4	21.8
750 to 999 lb	19.0	19.3	15.0	13.4	25.6	23.8	22.8	35.4	33.9	32.2
1,000 to 9,999 lb	13.2	11.0	12.4	7.9	17.8	14.4	11.8	14.5	15.6	16.7
10,000 to 49,999 lb	11.7	18.0	20.7	8.3	25.5	39.5	46.7	27.9	39.6	39.2
50,000 to 99,999 lb	S	S	S	19.7	S	S	S	S	S	S
100,000 lb or more	S	46.0	S	20.8	S	S	S	—	—	—
SCTG 40, Miscellaneous manufactured products	23.2	20.9	36.2	5.0	18.4	12.7	15.3	S	42.1	38.5
Less than 50 lb	12.2	12.6	16.4	4.8	12.4	11.4	13.4	26.1	12.7	12.5
50 to 99 lb	13.2	17.7	24.4	7.1	12.1	12.1	11.3	21.2	11.7	11.5
100 to 499 lb	11.0	10.3	9.3	8.9	13.3	16.7	20.8	16.5	28.5	27.7
500 to 749 lb	15.6	17.0	32.1	10.1	15.8	22.4	24.5	19.8	36.5	36.9
750 to 999 lb	12.3	9.5	9.6	9.9	17.3	19.2	20.2	18.5	21.8	19.7
1,000 to 9,999 lb	22.4	35.6	S	8.8	33.9	20.7	23.3	20.0	46.6	38.4
10,000 to 49,999 lb	S	30.9	31.7	15.2	49.7	18.7	18.4	S	S	S
50,000 to 99,999 lb	S	S	S	15.4	S	S	S	S	S	S
100,000 lb or more	28.5	45.0	34.3	40.7	32.1	S	S	S	S	S
SCTG 41, Waste and scrap	11.9	15.0	18.7	23.6	17.5	19.6	20.1	21.9	37.2	37.2
Less than 50 lb	S	S	46.5	S	S	S	S	S	S	S
50 to 99 lb	S	49.2	43.2	26.2	S	49.2	43.2	—	—	—
100 to 499 lb	33.7	36.5	48.3	45.0	38.8	39.8	S	—	—	—
500 to 749 lb	S	S	S	21.3	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	36.3	46.6	S	S	37.8	S	31.5	S	S	S
10,000 to 49,999 lb	12.3	17.5	17.2	23.6	19.9	24.5	28.0	33.9	22.7	23.0
50,000 to 99,999 lb	22.2	28.8	21.6	21.7	39.3	41.7	26.7	S	S	S
100,000 lb or more	23.0	23.4	28.4	23.8	45.3	37.4	45.1	S	S	S
SCTG 43, Mixed freight	26.0	32.3	32.3	16.7	23.9	30.1	32.3	31.7	39.3	38.5
Less than 50 lb	18.1	15.2	29.3	15.2	16.5	13.1	12.8	22.9	17.9	18.1
50 to 99 lb	21.3	15.4	36.4	24.7	26.0	17.9	17.0	23.1	19.5	17.9
100 to 499 lb	22.1	18.5	15.5	38.8	30.1	24.6	14.1	18.2	19.9	19.8
500 to 749 lb	12.8	12.8	20.2	46.5	16.0	15.6	18.6	18.1	17.4	19.5
750 to 999 lb	19.3	14.5	16.5	13.1	21.5	18.5	18.0	24.3	25.3	25.1
1,000 to 9,999 lb	25.6	9.5	12.4	7.9	29.0	11.7	12.4	26.1	15.0	15.7
10,000 to 49,999 lb	39.8	41.1	39.8	24.8	39.2	40.4	41.3	44.1	45.8	45.3
50,000 to 99,999 lb	S	S	S	16.3	S	S	S	S	S	S
100,000 lb or more	S	S	S	41.4	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	18.5	34.0	24.7	15.2	34.7	43.6	S	S	S	S
Less than 50 lb	17.8	24.1	21.4	17.4	38.4	33.7	39.6	42.8	41.8	41.4
50 to 99 lb	27.2	27.3	31.0	32.0	39.1	33.8	34.8	33.9	32.4	34.1
100 to 499 lb	46.4	42.2	21.7	43.8	S	34.2	43.1	48.3	S	S
500 to 749 lb	38.1	30.7	33.0	44.3	S	28.0	29.6	S	S	S
750 to 999 lb	30.1	23.5	28.2	26.2	35.4	28.5	32.3	S	S	S
1,000 to 9,999 lb	27.8	20.6	32.5	14.6	S	28.9	26.2	S	42.4	45.8
10,000 to 49,999 lb	28.7	33.7	29.5	29.7	32.7	42.7	46.7	27.5	25.6	26.2
50,000 to 99,999 lb	49.0	S	41.0	S	38.9	S	S	S	S	S
100,000 lb or more	S	S	41.0	22.6	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	6.9	5.8	5.6	6.3	6.7	5.4	3.7	10.7	11.3	5.6	16.2	15.7
Less than 50 lb	4.3	8.4	8.2	5.3	5.3	5.6	4.4	6.0	6.2	9.1	6.0	6.0
50 to 99 lb	15.9	10.2	8.5	10.4	6.7	6.4	9.6	8.9	8.9	14.8	12.5	12.8
100 to 499 lb	5.1	5.5	5.4	12.3	6.4	5.9	12.8	7.9	8.0	11.4	11.1	11.8
500 to 749 lb	15.8	6.8	6.7	16.6	8.8	8.2	14.0	12.0	11.7	13.2	12.8	12.8
750 to 999 lb	11.8	7.1	7.3	19.5	7.3	7.3	21.9	11.6	11.5	16.4	14.5	14.7
1,000 to 9,999 lb	10.2	4.6	4.3	7.4	5.4	5.3	9.3	8.1	7.8	7.4	7.6	7.4
10,000 to 49,999 lb	18.8	7.3	7.5	10.3	4.9	5.1	4.9	4.4	4.4	7.6	9.3	9.3
50,000 to 99,999 lb	14.4	6.1	6.2	16.6	10.0	9.6	15.7	19.0	17.6	42.6	14.8	14.6
100,000 lb or more	14.0	13.4	12.8	15.3	10.0	7.6	10.2	12.9	13.1	32.1	18.4	17.6
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	20.5	19.5	21.5	34.9	38.1	32.4	30.0	29.5	30.5	31.8	33.8	34.0
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	47.7	44.3	45.4	S	48.6	47.9	S	S	S	S	S	S
10,000 to 49,999 lb	39.1	36.0	38.2	46.7	49.6	S	35.2	30.9	29.6	S	S	S
50,000 to 99,999 lb	30.9	30.5	35.2	45.6	S	S	35.2	32.4	32.4	46.8	45.3	45.5
100,000 lb or more	28.6	28.6	29.7	40.9	43.1	35.4	31.3	30.4	31.2	36.1	35.6	35.6
SCTG 03, Other agricultural products	12.0	13.5	13.7	12.6	22.7	24.9	15.7	22.3	22.6	16.3	22.8	21.5
Less than 50 lb	S	S	S	39.8	27.8	27.9	36.6	45.8	44.2	49.2	S	S
50 to 99 lb	32.8	44.0	39.8	S	S	S	S	S	S	S	S	S
100 to 499 lb	47.1	S	S	43.2	23.3	22.2	S	S	S	47.5	40.0	39.1
500 to 749 lb	31.4	36.6	35.0	S	30.5	30.5	44.0	S	S	S	S	S
750 to 999 lb	26.7	30.6	33.8	34.6	41.9	39.5	S	S	S	46.7	S	S
1,000 to 9,999 lb	18.4	21.0	21.9	21.3	36.0	35.8	27.9	46.3	46.3	26.9	40.8	38.8
10,000 to 49,999 lb	18.1	19.1	20.3	16.2	24.8	27.5	14.2	25.9	26.6	19.9	22.9	22.0
50,000 to 99,999 lb	29.9	27.5	30.8	32.2	42.7	41.7	S	S	S	S	S	S
100,000 lb or more	27.7	25.8	28.6	42.4	47.9	43.7	S	S	48.9	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	15.6	25.7	26.3	20.4	25.5	23.4	26.7	22.8	21.6	18.8	26.2	25.0
Less than 50 lb	S	48.5	48.1	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	29.9	32.3	33.7	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	48.6	S	S	S	40.8	S	S	S	S	S
750 to 999 lb	S	49.5	38.8	S	S	S	39.3	32.8	32.5	S	S	S
1,000 to 9,999 lb	31.2	27.0	28.5	25.2	34.6	32.4	41.3	47.2	47.6	38.9	S	S
10,000 to 49,999 lb	22.1	34.8	33.9	19.7	24.1	21.6	34.0	34.6	33.2	27.6	32.8	32.5
50,000 to 99,999 lb	23.5	27.9	30.6	31.4	S	48.2	S	S	S	S	S	S
100,000 lb or more	25.4	25.6	25.4	42.3	S	S	37.9	40.9	41.1	31.1	29.2	28.3
SCTG 05, Meat, fish, seafood, and their preparations	14.3	13.8	13.5	15.5	15.0	14.7	13.5	11.9	12.4	16.0	16.3	16.8
Less than 50 lb	35.5	35.8	32.1	S	42.1	47.1	S	S	S	S	S	S
50 to 99 lb	27.9	31.6	29.9	43.0	40.4	39.2	S	S	S	S	S	S
100 to 499 lb	16.1	14.5	14.8	20.5	21.4	21.8	34.2	26.6	26.8	43.4	43.5	43.2
500 to 749 lb	23.4	25.5	22.6	31.0	32.5	31.9	24.9	29.8	28.2	S	44.1	44.5
750 to 999 lb	14.2	15.4	14.8	32.9	37.5	37.3	46.0	35.5	36.6	42.6	46.8	47.9
1,000 to 9,999 lb	17.9	13.9	13.5	14.8	14.1	13.3	18.7	17.6	17.7	22.8	24.2	23.4
10,000 to 49,999 lb	27.7	27.2	26.9	20.9	19.8	18.7	16.5	12.7	13.4	15.9	14.0	15.2
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	22.1	24.7	22.6	15.0	21.4	20.0	22.4	21.1	20.9	21.2	29.3	30.4
Less than 50 lb	28.9	22.2	24.0	48.1	46.9	47.2	S	S	S	S	S	S
50 to 99 lb	46.9	S	S	47.1	38.3	40.6	S	S	S	S	S	S
100 to 499 lb	26.9	28.9	26.2	S	41.9	41.7	50.0	S	S	45.6	46.6	48.3
500 to 749 lb	45.5	43.4	44.0	32.5	35.8	32.8	S	48.2	42.5	S	S	S
750 to 999 lb	28.0	35.5	41.6	37.4	44.7	44.4	S	S	S	48.6	46.9	45.7
1,000 to 9,999 lb	16.4	20.4	20.9	24.2	23.2	24.0	32.2	31.4	32.0	37.7	48.5	47.8
10,000 to 49,999 lb	28.6	33.1	30.2	15.2	15.2	14.2	23.5	24.2	24.1	23.7	29.1	30.4
50,000 to 99,999 lb	29.7	39.5	39.2	S	33.1	34.3	S	44.1	44.3	S	S	S
100,000 lb or more	47.2	S	S	S	S	S	37.4	42.6	42.7	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	7.2	14.5	15.3	8.0	11.1	11.0	7.7	9.1	9.1	13.9	12.8	12.8
Less than 50 lb	22.5	22.8	24.4	45.1	40.7	41.0	42.8	37.7	39.5	37.2	37.2	36.8
50 to 99 lb	33.5	18.7	18.5	S	39.6	38.9	44.6	39.6	40.5	S	S	S
100 to 499 lb	20.3	17.4	17.2	26.0	23.6	21.8	39.0	42.6	40.5	48.7	48.0	48.3
500 to 749 lb	23.5	27.8	26.3	32.2	30.6	31.2	37.6	27.9	28.8	S	45.8	45.5
750 to 999 lb	20.7	29.9	28.8	27.2	S	48.9	S	44.3	45.2	33.9	33.5	31.8
1,000 to 9,999 lb	12.7	18.5	18.0	14.4	12.8	12.8	15.7	14.6	14.7	22.2	29.4	30.5
10,000 to 49,999 lb	11.8	15.9	17.9	10.4	10.6	10.3	8.9	9.5	9.6	17.9	12.4	12.4
50,000 to 99,999 lb	33.5	46.0	45.5	31.1	24.7	27.2	35.7	29.0	31.7	49.3	S	48.6
100,000 lb or more	43.7	45.4	S	42.0	46.4	37.6	35.8	32.6	30.3	42.9	36.5	36.6
SCTG 08, Alcoholic beverages	34.4	23.2	22.4	22.5	23.6	22.8	20.2	28.9	34.7	21.7	31.5	33.3
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	36.3	28.4	25.9	S	S	S	S	S	S	S	S	S
100 to 499 lb	24.5	29.1	23.4	41.9	37.6	37.7	S	S	S	S	S	S
500 to 749 lb	31.2	31.4	27.4	47.6	47.8	49.5	49.5	47.7	47.9	S	S	S
750 to 999 lb	43.0	34.4	31.9	S	48.5	47.6	S	S	S	S	S	S
1,000 to 9,999 lb	26.2	24.9	25.5	36.1	32.4	34.1	S	S	S	40.5	29.5	28.1
10,000 to 49,999 lb	44.7	27.5	27.1	27.4	28.9	28.5	25.6	24.8	25.1	23.2	24.7	24.7
50,000 to 99,999 lb	S	45.3	45.7	49.2	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	35.3	30.2	29.1	36.3	42.6	48.0	37.0	43.4	44.4
SCTG 09, Tobacco products	30.8	27.7	30.2	33.9	46.4	45.7	S	S	S	S	S	S
Less than 50 lb	39.6	35.3	33.7	S	S	S	S	S	S	S	S	S
50 to 99 lb	30.7	21.9	22.7	S	44.2	42.9	S	S	S	S	S	S
100 to 499 lb	29.4	27.1	27.7	49.0	33.9	33.6	S	S	S	—	—	—
500 to 749 lb	S	49.1	S	S	46.0	49.7	—	—	—	—	—	—
750 to 999 lb	S	S	47.7	41.2	47.1	47.9	—	—	—	—	—	—
1,000 to 9,999 lb	47.1	35.8	36.4	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	46.7	44.6	S	S	S	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	46.3	36.7	37.0	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 11, Natural sands	20.9	31.7	29.7	S	28.4	29.0	S	34.2	38.9	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	46.7	S	S	47.1	S	S	S	S	S	S	S
10,000 to 49,999 lb	34.8	S	S	S	34.5	33.6	S	S	S	S	S	S
50,000 to 99,999 lb	24.6	26.3	29.4	27.1	32.9	32.5	S	S	S	S	S	S
100,000 lb or more	38.3	37.9	39.1	37.2	37.2	37.4	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	27.4	42.2	40.7	40.1	40.4	42.6	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	39.7	S	S	S	40.6	40.5	S	S	S	S	S	S
50,000 to 99,999 lb	29.8	30.6	35.7	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	18.4	25.2	25.8	26.7	25.7	24.4	31.3	35.6	32.1	32.9	23.9	23.4
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	47.0	48.9	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	47.1	49.0	49.5
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	44.4	S	48.0	S	44.1	43.8	S	S	S	S	26.3	27.9
10,000 to 49,999 lb	24.4	25.2	31.1	37.4	37.0	35.6	S	S	S	S	S	48.3
50,000 to 99,999 lb	37.4	29.8	27.0	19.0	18.4	18.4	45.9	S	S	32.4	35.7	37.4
100,000 lb or more	27.4	40.4	39.9	42.3	45.4	44.2	39.3	33.7	34.0	27.6	20.1	21.0

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	26.8	20.4	20.4	36.5	S	S	42.9	49.6	S	34.7	29.3	31.1
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	46.0	42.0	44.2	S	S	S	S	S	S
10,000 to 49,999 lb	35.6	30.0	29.4	39.0	S	S	49.4	S	S	41.2	35.1	34.7
50,000 to 99,999 lb	44.8	33.8	31.4	S	S	S	S	S	S	—	—	—
100,000 lb or more	39.7	30.5	30.6	35.1	43.2	40.6	S	S	S	43.7	40.1	40.6
SCTG 15, Coal	30.4	25.3	23.2	16.8	13.0	13.0	16.4	15.3	15.7	16.1	20.7	19.9
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	45.4	46.2	47.7	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	46.0	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	31.8	26.4	23.1	17.1	13.3	13.1	15.6	15.3	15.7	16.1	20.7	19.9
SCTG 17, Gasoline and aviation turbine fuel	17.2	21.2	19.2	26.2	28.0	22.8	48.0	S	48.1	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	43.4	44.5	47.9
10,000 to 49,999 lb	43.3	39.8	35.3	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	24.7	25.1	24.9	34.3	32.1	32.1	S	S	S	—	—	—
100,000 lb or more	30.3	35.9	33.5	37.4	39.9	32.0	S	S	S	—	—	—
SCTG 18, Fuel oils	22.6	21.2	22.9	33.9	42.5	39.4	S	S	S	S	S	S
Less than 50 lb	49.6	S	S	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	40.4	40.1	44.0	48.0	48.6	S	S	S	43.1	44.6	45.9
10,000 to 49,999 lb	16.1	22.1	21.2	45.8	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	20.3	18.3	17.8	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	45.3	S	50.0	S	46.1	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	16.9	20.4	20.7	S	33.8	31.5	20.3	45.5	47.8	30.4	45.3	47.6
Less than 50 lb	49.7	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	46.5	45.3	S	S	S	S	S	S	S	S	S
500 to 749 lb	43.4	42.2	47.5	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	21.7	25.8	24.8	45.8	47.6	47.7	S	S	S	S	S	S
10,000 to 49,999 lb	22.6	21.8	23.5	39.5	24.8	27.2	23.2	19.1	19.5	25.5	49.7	49.2
50,000 to 99,999 lb	25.7	26.9	27.4	35.5	34.5	33.2	S	S	S	S	S	S
100,000 lb or more	40.8	38.2	39.4	S	49.9	42.9	27.9	47.1	49.1	44.8	S	S
SCTG 20, Basic chemicals	12.2	19.3	22.0	14.0	23.5	22.9	12.7	28.0	28.7	30.2	30.8	30.8
Less than 50 lb	37.8	38.3	36.2	32.1	37.7	36.6	27.6	26.4	26.8	30.8	47.7	47.8
50 to 99 lb	39.5	33.0	34.9	47.2	S	S	S	S	S	S	S	S
100 to 499 lb	38.4	31.0	32.9	37.7	40.3	42.3	41.8	45.6	48.7	S	30.5	31.0
500 to 749 lb	34.0	42.0	49.9	S	48.1	S	44.2	31.6	30.6	S	46.0	44.1
750 to 999 lb	S	48.5	S	34.3	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	18.3	13.9	14.5	28.7	25.1	25.5	27.3	42.7	44.0	S	28.3	29.1
10,000 to 49,999 lb	19.3	22.2	28.7	20.1	22.7	22.8	26.8	21.6	22.1	S	21.1	21.3
50,000 to 99,999 lb	22.6	30.7	34.8	36.8	32.9	35.0	31.6	35.8	35.8	S	43.3	43.4
100,000 lb or more	29.0	24.5	26.5	26.4	32.6	28.7	31.7	31.0	31.4	26.6	35.4	34.9
SCTG 21, Pharmaceutical products	13.6	22.5	21.1	12.1	21.9	20.0	24.8	39.9	34.4	27.0	33.5	31.8
Less than 50 lb	14.9	15.7	16.4	15.7	19.3	19.4	21.5	22.2	21.6	24.5	21.9	22.4
50 to 99 lb	18.7	18.6	19.9	21.1	34.3	33.6	46.7	38.7	37.5	35.5	30.6	30.6
100 to 499 lb	17.7	16.5	17.1	37.3	23.0	24.2	33.6	S	36.6	47.2	S	45.4
500 to 749 lb	S	36.7	34.3	28.4	33.9	32.5	30.9	32.6	32.3	S	S	S
750 to 999 lb	35.9	34.1	35.9	44.2	42.9	43.1	S	43.4	44.5	S	S	S
1,000 to 9,999 lb	S	S	S	39.9	29.1	28.0	S	S	41.1	S	35.6	35.3
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	12.7	16.6	16.2	18.5	17.2	16.8	11.7	19.0	20.6	25.9	30.9	31.6
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	38.0	40.0	S	S	S	S	48.9	49.5	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	23.0	27.1	29.5	38.1	32.5	30.2	48.7	S	S	S	S	S
10,000 to 49,999 lb	21.5	33.9	33.6	22.3	27.0	25.0	25.5	15.7	15.2	38.8	48.4	S
50,000 to 99,999 lb	23.8	21.2	22.1	27.3	25.8	25.5	18.3	16.9	16.7	43.2	41.4	43.8
100,000 lb or more	26.5	24.7	26.9	25.8	26.1	26.1	15.1	24.9	25.9	26.2	29.6	30.1
SCTG 23, Chemical products and preparations, n.e.c.	24.2	29.8	30.3	10.7	21.2	20.4	14.3	25.6	24.4	15.7	18.3	18.0
Less than 50 lb	31.0	34.2	36.9	32.8	26.9	27.3	28.7	30.4	29.7	38.6	34.2	34.2
50 to 99 lb	29.2	31.3	30.1	25.5	28.7	30.9	49.7	37.8	36.5	37.2	43.6	45.2
100 to 499 lb	23.7	19.0	17.4	20.2	18.4	18.9	31.4	26.0	25.2	23.2	20.3	21.1
500 to 749 lb	36.1	31.5	32.5	45.2	38.5	37.1	S	29.2	30.2	37.7	47.5	48.2
750 to 999 lb	43.9	40.7	44.9	23.3	31.9	32.9	46.3	44.3	45.2	45.7	43.2	43.3
1,000 to 9,999 lb	38.7	18.6	15.2	19.2	21.3	19.5	30.6	17.5	16.8	26.4	17.5	17.4
10,000 to 49,999 lb	S	45.4	45.5	18.5	27.5	26.7	24.9	31.3	30.0	30.7	24.9	24.4
50,000 to 99,999 lb	28.3	19.5	21.8	32.5	37.1	38.0	S	41.7	41.4	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	45.6	S	S
SCTG 24, Plastics and rubber	8.3	16.8	16.1	8.1	7.5	7.7	8.4	10.8	10.8	12.0	14.8	14.5
Less than 50 lb	16.1	14.4	14.7	25.1	19.0	19.5	22.7	22.5	22.5	19.8	23.3	22.9
50 to 99 lb	25.0	34.3	33.4	21.4	20.4	22.9	22.8	24.1	24.6	37.7	28.1	27.9
100 to 499 lb	17.9	21.8	17.9	15.7	14.1	13.6	13.2	9.9	10.7	28.7	24.6	25.5
500 to 749 lb	20.5	14.5	12.6	18.5	17.7	19.7	22.6	22.7	21.0	36.4	26.3	24.2
750 to 999 lb	27.6	34.7	38.7	40.3	42.3	41.1	42.5	28.7	26.9	26.7	25.6	25.5
1,000 to 9,999 lb	9.6	12.2	14.2	9.7	10.5	10.9	18.4	14.7	14.3	18.3	20.2	19.6
10,000 to 49,999 lb	17.1	31.7	29.0	13.0	11.4	11.6	16.4	14.1	14.5	21.8	20.9	21.0
50,000 to 99,999 lb	30.7	40.4	41.1	40.3	48.1	43.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	23.0	23.7	24.8	24.8	28.0	29.5	30.8	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	39.2	31.6	30.2	S	S	S	S	S	S	48.1	S	S
10,000 to 49,999 lb	30.1	33.3	32.5	28.6	27.8	28.3	34.9	35.0	34.4	S	S	S
50,000 to 99,999 lb	22.3	22.4	20.3	S	47.8	46.8	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	48.5	S	34.3	35.5	36.4
SCTG 26, Wood products	11.4	12.1	12.1	6.6	23.1	21.6	6.2	7.6	8.3	8.9	9.4	9.3
Less than 50 lb	45.0	39.4	46.1	39.8	28.6	29.8	31.8	32.5	32.3	27.2	S	S
50 to 99 lb	41.7	38.5	39.9	40.9	34.5	35.7	33.4	35.0	30.6	S	49.3	46.0
100 to 499 lb	19.9	17.5	16.9	33.8	23.5	24.9	S	S	S	S	S	S
500 to 749 lb	22.6	22.3	23.9	27.1	33.5	34.2	43.9	42.5	41.7	S	S	S
750 to 999 lb	30.0	21.8	21.9	38.5	34.5	38.1	S	47.7	48.6	S	37.3	38.0
1,000 to 9,999 lb	12.8	11.2	12.1	11.9	11.3	11.6	23.0	48.7	45.1	26.9	24.1	23.9
10,000 to 49,999 lb	8.3	12.7	15.0	9.2	13.7	12.1	7.8	8.6	8.6	11.9	13.8	13.8
50,000 to 99,999 lb	20.8	18.6	18.2	6.2	7.3	7.9	14.6	15.1	15.1	19.5	22.5	23.6
100,000 lb or more	37.2	23.6	20.2	15.7	S	49.2	9.9	12.0	13.7	12.0	9.5	9.9
SCTG 27, Pulp, newsprint, paper, and paperboard	11.8	12.6	13.2	9.2	10.1	11.0	16.6	21.6	22.1	12.7	12.2	12.5
Less than 50 lb	23.7	28.2	24.2	33.9	32.3	36.4	33.2	23.0	24.1	29.5	40.0	40.4
50 to 99 lb	32.8	27.9	34.4	S	S	S	34.9	37.7	46.0	46.3	S	S
100 to 499 lb	18.9	18.6	20.1	24.0	28.7	27.8	31.3	30.2	37.5	39.6	35.9	35.7
500 to 749 lb	35.2	24.6	22.2	31.3	30.5	30.2	45.6	33.5	36.2	48.1	49.7	48.8
750 to 999 lb	35.7	22.6	25.6	31.3	32.8	32.1	S	S	S	S	S	S
1,000 to 9,999 lb	15.5	17.3	16.1	36.1	33.2	31.1	48.6	35.9	35.9	32.3	26.4	26.2
10,000 to 49,999 lb	18.4	16.0	18.6	13.3	12.5	12.9	12.0	11.6	11.6	13.2	13.7	14.4
50,000 to 99,999 lb	20.3	17.9	18.1	29.0	27.3	26.7	41.7	40.8	41.8	40.2	38.8	40.5
100,000 lb or more	23.7	23.2	24.5	15.5	15.6	15.8	32.4	33.0	32.9	17.9	16.2	16.6
SCTG 28, Paper or paperboard articles	7.6	7.7	8.1	10.0	21.4	26.1	16.1	13.9	14.3	9.9	10.3	12.3
Less than 50 lb	20.0	16.5	16.7	20.4	18.8	17.8	27.8	34.0	34.3	S	S	S
50 to 99 lb	20.4	20.5	21.0	30.0	25.5	25.0	35.9	41.5	36.5	33.0	39.4	38.8
100 to 499 lb	19.4	18.0	20.6	15.0	15.7	15.1	24.5	20.0	19.5	33.0	36.4	37.0
500 to 749 lb	29.1	34.0	31.2	31.8	28.7	30.1	25.5	29.5	32.1	37.1	36.2	34.4
750 to 999 lb	27.9	24.4	26.2	40.1	36.6	36.6	28.8	32.5	32.5	S	S	S
1,000 to 9,999 lb	17.2	20.8	20.9	13.4	19.4	18.6	19.8	19.9	21.5	43.2	30.4	30.5
10,000 to 49,999 lb	10.2	9.8	9.9	11.9	25.6	30.6	18.8	14.9	15.3	9.9	9.6	9.5
50,000 to 99,999 lb	S	37.2	33.9	30.0	33.3	30.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	45.4	48.4	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	20.1	11.2	11.1	7.5	15.8	18.6	16.4	12.6	13.6	14.4	22.3	25.1
Less than 50 lb	42.8	44.2	42.8	12.5	18.8	21.0	34.3	28.9	29.1	25.6	23.7	23.8
50 to 99 lb	23.9	19.8	21.3	18.6	26.6	24.2	32.1	28.7	28.7	33.9	29.0	28.1
100 to 499 lb	36.9	12.1	12.5	12.7	15.1	14.8	43.4	19.9	19.3	22.4	16.6	16.0
500 to 749 lb	19.4	18.2	19.6	21.8	40.1	37.1	34.8	S	S	31.3	24.8	24.6
750 to 999 lb	24.6	22.0	21.4	15.3	28.0	27.8	41.5	26.0	25.2	42.9	22.8	23.5
1,000 to 9,999 lb	13.5	17.0	16.9	19.5	25.8	26.7	12.8	10.9	10.8	20.5	21.8	22.1
10,000 to 49,999 lb	31.7	25.5	26.4	19.5	15.8	16.1	20.6	22.8	24.8	24.4	34.6	38.4
50,000 to 99,999 lb	S	35.1	37.2	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—
SCTG 30, Textiles, leather, and articles of textiles or leather	31.5	35.4	37.7	27.5	24.3	23.6	14.7	13.8	14.3	20.1	16.5	17.9
Less than 50 lb	25.4	13.3	12.3	24.4	15.5	16.0	16.9	11.4	11.4	12.7	8.4	8.6
50 to 99 lb	12.0	11.3	11.6	20.0	17.4	14.4	33.3	26.3	25.7	21.9	20.2	22.1
100 to 499 lb	19.8	17.0	18.3	13.4	15.1	14.3	21.8	19.7	20.1	17.0	19.8	20.2
500 to 749 lb	28.1	20.0	22.6	28.8	20.2	19.3	26.0	22.7	21.7	44.0	S	S
750 to 999 lb	36.0	27.7	29.9	33.0	36.1	37.5	38.9	27.3	27.9	28.9	S	49.7
1,000 to 9,999 lb	47.6	22.5	19.8	14.7	18.3	19.6	34.8	20.8	20.7	26.9	17.9	17.9
10,000 to 49,999 lb	48.5	S	S	S	49.6	49.0	37.1	36.1	38.1	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	8.5	8.1	8.6	8.8	11.1	12.0	12.5	16.4	17.0	13.9	11.5	12.0
Less than 50 lb	18.0	19.1	21.6	32.4	25.8	26.5	20.9	24.7	24.8	24.8	31.7	30.8
50 to 99 lb	33.2	21.6	24.2	49.3	37.7	37.8	44.9	45.0	43.1	45.1	43.5	45.2
100 to 499 lb	30.1	23.1	23.5	17.7	S	S	34.5	22.8	24.0	41.9	39.8	40.2
500 to 749 lb	26.6	28.6	36.7	42.9	49.8	48.4	43.8	26.3	26.7	S	S	S
750 to 999 lb	40.2	32.1	33.8	S	39.9	39.2	41.9	39.2	37.9	45.1	S	S
1,000 to 9,999 lb	28.3	18.1	20.3	18.0	15.9	14.7	17.1	18.5	18.3	36.7	30.9	33.1
10,000 to 49,999 lb	11.4	11.6	12.2	10.4	9.2	9.0	13.0	12.5	12.5	11.2	13.9	13.9
50,000 to 99,999 lb	12.6	13.3	14.0	19.5	13.5	14.3	48.8	49.3	48.8	30.4	39.6	42.3
100,000 lb or more	22.6	23.2	26.9	21.4	25.0	24.8	36.4	34.5	34.2	34.7	27.8	28.5
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	8.8	10.3	10.5	12.1	13.8	12.8	16.1	11.5	12.1	15.4	15.1	15.3
Less than 50 lb	22.9	21.2	20.3	24.0	21.0	20.1	41.4	31.0	30.9	32.3	26.0	27.2
50 to 99 lb	24.7	16.7	17.0	31.0	25.0	24.3	29.5	42.4	40.5	30.9	29.9	29.1
100 to 499 lb	23.1	10.7	11.6	42.7	21.7	20.0	33.3	31.6	30.9	25.5	32.1	33.1
500 to 749 lb	20.5	11.1	9.8	29.3	24.9	27.1	35.9	41.9	41.5	25.5	31.4	30.2
750 to 999 lb	18.0	14.7	12.8	25.2	19.2	18.7	26.8	39.0	44.4	30.1	47.8	46.5
1,000 to 9,999 lb	9.3	10.7	12.5	11.7	10.5	10.2	25.4	22.3	21.8	30.5	21.8	21.5
10,000 to 49,999 lb	16.2	10.9	11.2	17.2	17.6	16.9	20.6	12.9	12.8	27.1	13.2	12.7
50,000 to 99,999 lb	26.7	31.2	27.7	41.8	27.1	26.3	29.8	23.8	24.2	S	S	S
100,000 lb or more	30.5	25.6	31.9	34.4	22.5	23.6	26.0	17.8	18.4	19.2	26.5	25.5
SCTG 33, Articles of base metal	9.0	12.1	10.7	9.1	16.2	16.0	13.8	22.2	23.2	13.4	20.4	20.6
Less than 50 lb	15.1	12.0	9.5	15.9	14.4	14.0	11.4	12.2	11.9	26.8	24.9	25.2
50 to 99 lb	18.8	20.3	23.9	24.1	21.0	22.7	24.1	22.5	21.4	31.9	34.2	35.5
100 to 499 lb	13.1	11.2	11.2	14.3	13.4	12.4	17.5	13.6	14.2	14.4	25.6	25.6
500 to 749 lb	17.2	18.3	16.7	17.0	17.2	16.7	20.8	25.4	22.1	28.5	20.5	21.7
750 to 999 lb	30.3	16.3	16.8	22.5	15.8	15.3	30.5	31.7	30.9	27.1	24.8	23.5
1,000 to 9,999 lb	14.3	13.7	12.6	14.6	16.0	16.6	13.9	15.4	15.8	20.7	28.2	28.3
10,000 to 49,999 lb	15.5	14.9	13.5	14.1	18.6	17.9	12.1	15.1	15.1	20.9	23.1	23.4
50,000 to 99,999 lb	35.4	25.5	25.0	44.7	35.2	35.6	S	35.2	36.8	48.4	44.6	43.9
100,000 lb or more	S	S	47.1	47.0	S	S	46.8	S	S	43.3	S	S
SCTG 34, Machinery	10.0	10.2	10.8	8.2	12.3	11.4	16.5	17.9	18.1	14.5	16.7	16.6
Less than 50 lb	12.7	11.0	10.6	17.6	16.2	17.4	10.5	11.7	12.9	14.1	16.2	16.7
50 to 99 lb	12.3	15.2	16.9	44.9	17.5	14.7	44.6	16.2	18.2	41.9	S	S
100 to 499 lb	15.2	9.5	8.8	11.8	10.6	10.4	27.1	17.4	17.3	28.5	S	S
500 to 749 lb	22.1	20.8	22.4	22.8	29.0	26.5	30.1	28.2	25.7	36.7	47.8	45.9
750 to 999 lb	23.9	18.4	22.6	31.6	22.4	22.4	23.1	23.1	21.4	29.7	46.7	46.9
1,000 to 9,999 lb	16.7	17.3	17.3	19.0	20.0	19.2	30.4	16.0	15.7	18.8	23.3	23.5
10,000 to 49,999 lb	33.4	18.1	21.7	23.6	17.2	16.7	32.0	32.0	31.8	30.5	23.4	24.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	20.3	15.3	15.9	14.3	24.1	23.9	12.6	21.7	20.8	11.0	11.3	11.3
Less than 50 lb	10.7	17.8	19.7	9.3	14.1	15.4	9.0	12.9	13.4	19.1	12.8	13.0
50 to 99 lb	44.2	46.9	38.1	20.2	17.3	16.6	17.3	15.2	15.1	23.0	25.0	27.5
100 to 499 lb	16.8	16.5	16.6	14.0	15.1	15.1	20.1	17.5	17.3	19.5	17.4	17.5
500 to 749 lb	24.8	28.6	28.6	23.9	25.3	25.2	35.0	30.2	29.2	25.4	21.2	22.4
750 to 999 lb	27.0	27.2	26.6	31.3	29.6	29.6	47.0	44.3	40.5	36.5	37.0	37.2
1,000 to 9,999 lb	S	23.9	25.8	17.2	30.1	31.4	32.5	41.4	40.6	21.1	24.0	24.6
10,000 to 49,999 lb	33.7	22.2	23.7	S	33.9	32.6	36.4	25.3	28.9	33.1	21.5	21.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	18.6	13.8	11.9	13.4	31.9	30.6	18.6	26.2	27.1	30.6	22.3	22.2
Less than 50 lb	11.3	12.2	12.0	16.9	12.0	12.6	22.0	19.6	19.1	20.1	20.5	20.3
50 to 99 lb	21.9	16.5	16.6	28.7	32.0	31.2	33.1	29.6	29.8	30.0	27.6	27.7
100 to 499 lb	30.2	24.6	20.1	15.4	10.8	11.5	23.8	17.5	16.6	30.9	23.0	23.3
500 to 749 lb	45.7	35.8	36.1	45.8	34.3	31.1	25.2	28.4	26.2	S	47.4	S
750 to 999 lb	35.5	28.1	25.8	43.9	26.5	25.0	33.8	29.7	29.0	41.9	46.6	47.7
1,000 to 9,999 lb	17.8	14.9	15.2	17.1	14.9	14.1	19.6	24.2	24.6	45.3	22.5	21.7
10,000 to 49,999 lb	19.1	24.6	19.5	29.4	36.9	36.0	33.2	38.9	39.9	42.7	33.8	33.8
50,000 to 99,999 lb	49.2	32.5	34.9	44.4	45.5	45.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	25.6	22.3	24.6	25.2	46.9	44.8	23.7	S	S	46.8	21.1	20.2
Less than 50 lb	27.7	43.4	44.9	32.9	35.2	36.5	24.5	23.5	23.6	27.1	25.2	24.9
50 to 99 lb	32.1	S	S	28.9	S	S	34.2	37.9	40.0	23.8	21.2	21.3
100 to 499 lb	49.8	S	S	25.7	47.8	45.8	40.4	33.1	32.8	21.8	26.4	25.8
500 to 749 lb	S	S	S	S	S	S	S	48.6	49.4	S	S	S
750 to 999 lb	S	S	S	48.3	S	S	S	S	S	42.8	40.5	41.4
1,000 to 9,999 lb	S	43.6	47.7	S	46.9	45.3	S	S	S	40.1	39.8	38.3
10,000 to 49,999 lb	45.2	27.8	26.5	41.5	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—	S	S	S
SCTG 38, Precision instruments and apparatus	17.5	48.1	48.6	14.1	35.3	36.4	12.8	16.2	16.3	22.9	34.8	34.0
Less than 50 lb	18.2	21.4	19.8	16.6	15.6	15.4	10.9	14.4	14.8	12.8	12.1	12.2
50 to 99 lb	41.9	19.8	21.8	30.1	26.1	24.5	26.8	20.1	18.9	S	S	S
100 to 499 lb	34.5	24.2	28.9	34.6	24.9	25.0	35.6	21.1	23.0	27.6	22.6	22.4
500 to 749 lb	37.5	49.1	42.1	34.7	30.1	32.5	34.1	38.7	40.8	S	S	S
750 to 999 lb	S	S	S	48.8	39.7	39.4	S	40.6	41.2	S	50.0	S
1,000 to 9,999 lb	28.1	S	S	32.9	S	S	30.0	34.6	33.8	S	S	49.4
10,000 to 49,999 lb	S	S	S	S	S	S	49.1	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	15.9	14.6	14.8	21.2	14.9	13.9	17.0	12.1	11.9	15.4	19.1	19.8
Less than 50 lb	17.9	16.4	16.3	24.3	25.2	25.8	41.2	33.7	34.4	38.7	36.5	36.7
50 to 99 lb	38.7	29.3	30.9	29.5	26.1	28.5	27.8	22.6	23.1	31.6	26.3	26.5
100 to 499 lb	29.4	18.3	17.6	29.4	15.6	15.6	24.0	15.2	15.1	32.4	39.7	44.4
500 to 749 lb	38.6	24.6	29.7	27.8	21.2	19.8	S	33.6	31.0	29.7	30.4	29.8
750 to 999 lb	16.6	14.7	16.3	33.2	40.9	38.9	33.7	26.9	27.2	43.0	39.3	41.3
1,000 to 9,999 lb	19.2	22.6	24.0	35.1	20.5	18.8	14.9	12.4	12.5	22.9	19.9	19.6
10,000 to 49,999 lb	27.2	26.0	26.9	25.5	32.0	32.1	30.4	26.0	26.0	25.6	29.6	30.1
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products	48.8	28.2	28.2	25.9	27.2	26.0	10.8	17.5	17.7	14.1	S	S
Less than 50 lb	20.8	11.0	9.4	18.2	15.1	15.8	13.4	21.5	22.0	19.3	20.6	20.9
50 to 99 lb	30.5	13.4	13.8	21.4	32.4	32.0	31.8	29.8	30.3	S	40.4	40.1
100 to 499 lb	15.2	11.5	12.0	42.1	11.4	11.9	32.9	20.8	22.2	19.1	18.7	19.6
500 to 749 lb	48.2	15.6	16.9	S	28.5	28.2	21.2	21.3	21.1	22.1	20.9	20.6
750 to 999 lb	S	32.0	36.4	36.4	16.1	16.4	31.4	30.0	32.6	35.4	35.7	36.7
1,000 to 9,999 lb	42.6	35.2	35.0	47.7	38.7	32.5	24.2	33.7	34.7	26.0	40.6	41.4
10,000 to 49,999 lb	S	42.6	42.6	48.2	26.8	24.8	16.1	17.8	18.1	37.7	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	39.3	44.3	44.6	S	S	S
100,000 lb or more	S	S	S	S	S	S	45.1	S	S	S	S	S
SCTG 41, Waste and scrap .	28.9	23.0	22.2	25.2	42.9	45.0	26.3	27.6	28.2	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	43.3	46.1	S	49.0	S	S	S	S	S	S	S
10,000 to 49,999 lb	37.1	29.1	28.5	35.1	44.2	43.2	30.7	27.1	26.2	40.8	S	S
50,000 to 99,999 lb	28.5	31.7	35.1	36.1	19.6	21.8	42.6	S	S	S	46.7	44.4
100,000 lb or more	48.9	48.3	39.3	36.2	S	S	33.5	32.3	31.8	48.3	49.8	S
SCTG 43, Mixed freight	37.1	39.3	43.0	32.2	33.5	35.2	30.3	27.6	24.3	32.1	38.0	38.9
Less than 50 lb	39.4	17.8	18.9	45.2	48.7	S	49.3	39.3	39.2	37.3	32.2	33.0
50 to 99 lb	37.2	31.4	28.1	33.3	37.7	38.0	S	S	S	S	46.1	46.2
100 to 499 lb	22.6	16.3	14.5	25.7	21.7	22.1	40.2	36.6	38.9	43.7	28.7	29.5
500 to 749 lb	21.1	25.0	23.7	33.2	31.0	33.9	36.6	38.8	38.4	49.8	S	S
750 to 999 lb	S	19.1	21.7	22.9	22.6	23.6	41.5	48.2	S	S	S	S
1,000 to 9,999 lb	14.4	14.6	14.2	43.2	20.8	21.4	41.8	39.6	35.7	S	S	S
10,000 to 49,999 lb	44.7	43.5	46.4	35.8	36.0	37.2	41.9	33.7	33.7	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	25.5	26.0	28.4	24.4	46.9	46.2	26.5	48.4	46.2	38.9	41.6	43.5
Less than 50 lb	25.7	28.1	29.0	33.2	34.3	32.6	47.1	27.3	28.1	30.8	S	S
50 to 99 lb	S	40.2	42.4	48.7	47.1	47.1	S	41.6	42.9	44.6	39.0	38.9
100 to 499 lb	S	S	S	40.2	25.9	25.8	S	S	49.3	36.7	35.8	37.5
500 to 749 lb	S	45.9	40.2	S	S	S	S	S	S	S	S	S
750 to 999 lb	39.7	43.4	47.2	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	40.9	22.1	21.4	44.8	49.0	48.0	39.4	46.0	46.6	34.6	30.5	29.9
10,000 to 49,999 lb	47.9	37.6	32.4	49.9	S	S	46.6	47.9	44.9	S	S	S
50,000 to 99,999 lb	S	S	46.1	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	6.2	13.5	13.9	5.0	9.0	9.1	5.5	3.2	3.3
Less than 50 lb	8.6	5.0	5.1	6.8	5.7	5.7	6.6	7.2	7.1
50 to 99 lb	7.8	12.6	12.8	7.8	11.2	11.5	21.5	6.0	5.9
100 to 499 lb	9.0	9.2	8.8	7.3	9.1	8.8	7.5	3.6	3.8
500 to 749 lb	12.4	12.1	12.5	20.2	13.2	12.6	13.4	14.7	14.3
750 to 999 lb	13.0	8.5	8.4	27.9	18.7	18.7	17.9	8.8	9.2
1,000 to 9,999 lb	10.9	18.6	18.2	11.9	14.2	14.0	14.5	15.8	16.1
10,000 to 49,999 lb	12.7	9.6	9.1	12.7	5.4	4.8	8.5	5.5	5.9
50,000 to 99,999 lb	28.7	47.8	43.2	35.8	20.0	19.2	39.5	14.9	15.0
100,000 lb or more	24.7	15.5	15.8	23.5	17.7	17.4	30.8	10.4	10.3
SCTG 01, Live animals and live fish	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	37.9	40.2	36.2	43.1	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	46.3	S	S	S	S	S
10,000 to 49,999 lb	49.3	44.9	45.2	43.5	S	S	48.4	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	49.4	43.2	38.8	S	S	S	—	—	—
SCTG 03, Other agricultural products	12.4	18.2	18.7	13.0	19.9	18.3	14.2	14.2	13.7
Less than 50 lb	43.6	S	S	S	S	S	30.0	41.0	45.3
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	35.4	33.3	31.6	42.8	48.6	S	40.0	S	S
500 to 749 lb	40.3	41.9	41.4	S	48.3	47.8	33.8	39.2	41.0
750 to 999 lb	S	S	S	S	45.6	44.1	S	44.3	44.2
1,000 to 9,999 lb	19.3	31.0	32.1	16.6	29.6	29.8	19.5	28.8	29.1
10,000 to 49,999 lb	14.1	21.8	22.1	14.8	22.6	20.2	17.3	13.9	13.5
50,000 to 99,999 lb	S	S	S	S	40.5	43.4	44.7	S	S
100,000 lb or more	33.9	32.9	30.3	42.1	34.5	34.5	28.6	29.0	27.7
SCTG 04, Animal feed and products of animal origin, n.e.c.	32.9	26.9	26.7	42.1	43.2	43.1	44.2	39.0	39.4
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	47.9	48.5	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	43.9	41.6	41.7	48.5	38.2	39.8	45.6	41.4	41.8
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	43.2	43.6	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	16.2	23.9	25.4	26.2	22.7	23.6	29.9	31.8	31.1
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	49.5	S	S	S	S	S
100 to 499 lb	28.2	27.6	26.3	47.5	32.0	31.2	35.1	32.8	33.3
500 to 749 lb	42.6	33.2	35.5	45.7	30.0	29.2	42.1	28.1	29.8
750 to 999 lb	41.0	41.4	38.8	S	45.6	46.7	S	40.8	41.2
1,000 to 9,999 lb	21.9	23.5	22.8	31.5	24.7	25.3	35.5	29.0	28.6
10,000 to 49,999 lb	17.2	19.4	19.6	21.8	21.3	21.6	42.8	40.4	39.8
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	43.5	36.8	37.4	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	20.0	22.7	23.4	19.9	31.4	33.4	20.0	21.2	21.8
Less than 50 lb	S	S	S	S	45.8	45.7	44.3	42.0	42.3
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	48.2	37.6	37.3
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	21.1	22.8	23.9	33.2	32.3	33.5	45.6	S	S
10,000 to 49,999 lb	21.5	19.4	18.1	21.1	15.6	15.5	20.5	18.3	18.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	10.7	10.3	10.1	20.3	11.4	11.1	8.9	13.0	13.6
Less than 50 lb	44.3	33.5	33.3	S	48.8	48.0	30.5	26.1	25.7
50 to 99 lb	43.2	35.9	35.0	32.2	33.7	33.2	30.0	27.8	28.3
100 to 499 lb	48.7	40.9	41.2	34.9	34.5	36.5	35.3	35.5	36.7
500 to 749 lb	S	49.5	49.1	S	44.6	43.1	S	S	S
750 to 999 lb	S	S	S	43.0	33.6	34.5	S	S	S
1,000 to 9,999 lb	24.5	20.2	19.0	22.7	21.9	21.8	24.1	17.9	17.9
10,000 to 49,999 lb	14.2	14.0	13.7	26.2	11.4	11.4	8.0	8.9	9.7
50,000 to 99,999 lb	32.4	28.7	29.8	21.4	24.8	23.7	31.0	29.8	29.2
100,000 lb or more	14.8	14.6	14.1	17.1	15.8	15.5	20.4	27.6	27.7
SCTG 08, Alcoholic beverages	22.3	34.9	36.1	26.7	35.2	35.0	28.6	33.9	35.1
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	40.3	39.8
500 to 749 lb	S	S	S	S	S	49.9	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	43.5	43.3	46.1	38.9	42.0	41.0	S	S	S
10,000 to 49,999 lb	17.1	21.9	21.4	33.9	34.1	35.4	25.5	22.4	23.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	46.4	46.5	35.0	S	S	S	S	S
SCTG 09, Tobacco products	S	S	S	S	S	S	S	47.0	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	44.9	44.5	44.6	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 11, Natural sands	S	S	S	47.3	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	39.9	41.6	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 13, Nonmetallic minerals n.e.c.	30.5	29.4	28.8	22.1	27.7	27.1	26.9	43.0	40.6
Less than 50 lb	S	S	S	S	S	S	47.7	47.5	47.4
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	47.4	46.6	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	37.0	33.5	47.2	40.0	40.0	S	S	S
10,000 to 49,999 lb	S	S	S	16.7	46.0	45.9	31.1	34.7	32.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	33.6	28.5	28.6	35.9	35.2	34.6	46.1	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	35.7	S	S	33.6	24.5	24.9	39.8	39.4	39.1
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	41.2	41.4
100 to 499 lb	—	—	—	S	S	S	S	44.9	45.3
500 to 749 lb	—	—	—	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	47.0	45.8	46.0	S	S	S	48.0	S	S
10,000 to 49,999 lb	S	S	S	38.4	28.3	28.1	S	41.1	41.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 15, Coal	16.3	19.9	20.0	S	S	S	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	16.3	19.9	20.0	S	S	S	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	40.6	40.3	39.2	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 18, Fuel oils	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	45.8	S	S	29.3	S	S	45.2	31.6	31.7
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	29.4	34.2	34.3	31.4	34.7	41.7	S	42.4	42.6
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	17.1	30.1	29.6	12.1	18.2	18.2	25.4	33.2	32.2
Less than 50 lb	28.9	28.4	28.0	28.3	24.9	24.5	22.1	28.8	28.2
50 to 99 lb	S	S	S	39.3	38.7	38.5	40.1	S	S
100 to 499 lb	S	S	S	39.3	S	S	34.7	43.3	45.0
500 to 749 lb	39.1	33.2	33.7	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	47.7	33.0	35.0	37.2	43.0	42.3	S	S	S
10,000 to 49,999 lb	39.8	20.9	20.5	28.0	23.6	22.7	25.6	31.0	29.3
50,000 to 99,999 lb	S	43.9	45.3	S	S	S	S	S	S
100,000 lb or more	21.2	32.1	31.5	21.2	19.2	19.1	28.0	S	S
SCTG 21, Pharmaceutical products	16.0	29.7	30.1	11.7	34.3	37.6	13.3	23.3	23.6
Less than 50 lb	21.2	22.7	23.5	16.0	17.8	17.9	15.5	18.9	17.9
50 to 99 lb	S	46.5	43.2	38.4	S	S	29.9	27.9	27.4
100 to 499 lb	32.5	41.1	46.7	32.7	27.8	27.2	24.2	19.6	20.3
500 to 749 lb	S	S	S	S	S	S	S	39.5	39.6
750 to 999 lb	S	S	S	S	41.8	43.9	S	S	S
1,000 to 9,999 lb	S	48.6	49.7	37.0	29.3	29.1	49.1	48.4	48.6
10,000 to 49,999 lb	48.9	49.4	S	49.9	47.6	S	S	35.0	35.1
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	S	47.9	S	S	S	S	36.4	41.6	42.4
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	37.6	41.2	48.3	S	S	37.3	41.9	42.6
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	27.5	42.3	40.8	19.4	19.5	19.1	11.1	16.4	17.7
Less than 50 lb	25.1	30.7	29.7	32.6	18.3	18.4	24.1	19.2	19.0
50 to 99 lb	37.5	50.0	47.9	23.2	19.6	21.6	40.5	35.5	34.5
100 to 499 lb	40.6	20.9	22.2	29.3	22.9	22.9	24.4	23.1	23.1
500 to 749 lb	32.6	40.5	38.4	25.4	20.0	20.2	45.4	29.6	29.9
750 to 999 lb	S	39.8	40.5	43.4	27.2	27.5	24.8	27.1	27.7
1,000 to 9,999 lb	22.4	15.1	15.7	33.8	25.0	25.0	22.4	22.2	22.5
10,000 to 49,999 lb	42.0	34.9	35.0	32.0	26.4	25.7	20.0	16.1	16.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	45.8	46.0	S	48.4	48.5
SCTG 24, Plastics and rubber	11.1	13.3	13.3	11.2	12.2	12.3	10.1	16.6	17.3
Less than 50 lb	18.7	19.6	19.7	19.3	24.0	23.8	19.7	29.2	29.1
50 to 99 lb	19.9	23.7	25.2	37.1	29.6	29.2	21.8	21.2	21.7
100 to 499 lb	17.3	16.2	16.9	21.4	21.5	21.3	19.1	20.6	21.2
500 to 749 lb	39.9	48.2	47.1	34.9	26.4	26.3	19.6	19.1	18.6
750 to 999 lb	26.0	25.4	26.7	40.5	33.7	34.4	28.4	21.1	21.1
1,000 to 9,999 lb	21.5	15.8	16.3	21.4	19.3	19.4	19.9	20.7	20.6
10,000 to 49,999 lb	19.3	20.7	20.2	19.0	15.8	15.7	18.4	14.3	14.2
50,000 to 99,999 lb	S	S	S	S	S	S	44.1	40.3	40.0
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	S	S	S	35.7	40.1	40.6	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	47.4	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	42.2	41.5	42.0	S	S	S
SCTG 26, Wood products	6.0	10.1	9.2	4.9	7.2	7.9	8.5	7.8	8.4
Less than 50 lb	46.0	42.2	40.8	30.2	41.1	39.3	23.6	41.3	41.1
50 to 99 lb	45.4	S	S	39.3	35.1	35.1	24.9	28.5	28.7
100 to 499 lb	32.2	39.1	39.2	S	S	S	32.0	27.5	27.2
500 to 749 lb	S	S	S	S	S	S	42.4	47.4	46.9
750 to 999 lb	S	S	S	S	36.6	37.3	S	S	S
1,000 to 9,999 lb	26.1	21.6	21.7	23.7	23.1	23.9	18.1	27.6	27.5
10,000 to 49,999 lb	10.0	20.8	20.0	7.4	7.4	15.8	12.4	8.5	11.6
50,000 to 99,999 lb	14.5	11.9	12.9	19.9	17.7	17.8	13.6	16.0	15.5
100,000 lb or more	10.6	10.7	10.1	10.7	11.3	11.8	12.8	11.6	12.1
SCTG 27, Pulp, newsprint, paper, and paperboard	24.5	23.3	22.4	16.4	13.6	13.5	18.2	16.0	16.0
Less than 50 lb	36.7	39.1	40.2	46.2	43.0	43.8	40.8	S	49.7
50 to 99 lb	S	S	S	49.0	46.8	48.1	S	46.4	45.8
100 to 499 lb	S	47.5	S	S	33.3	36.0	39.4	45.3	46.5
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	46.1	37.8	37.3	S	47.0	48.0	42.1	S	S
10,000 to 49,999 lb	26.3	24.8	24.0	19.3	19.3	18.9	21.7	20.9	21.1
50,000 to 99,999 lb	—	—	—	S	42.1	43.2	S	S	S
100,000 lb or more	35.4	32.6	31.2	23.2	23.3	24.9	26.4	25.0	24.8
SCTG 28, Paper or paperboard articles	14.9	18.7	18.3	24.8	18.2	18.4	29.3	23.6	37.9
Less than 50 lb	42.8	28.3	28.0	S	36.6	37.4	S	33.9	33.7
50 to 99 lb	47.3	S	S	S	S	S	S	S	S
100 to 499 lb	36.5	31.4	32.7	42.9	35.6	35.4	41.6	36.4	37.0
500 to 749 lb	33.0	34.9	32.8	S	S	S	S	S	S
750 to 999 lb	45.2	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	31.4	32.1	32.1	38.0	33.7	32.5	S	39.1	39.8
10,000 to 49,999 lb	19.4	20.0	18.9	26.7	25.7	24.8	19.6	27.5	44.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	12.4	13.9	13.1	13.2	30.4	30.2	10.6	36.9	37.3
Less than 50 lb	14.5	17.0	16.3	16.1	16.0	16.0	14.9	20.3	20.8
50 to 99 lb	34.2	36.5	35.0	21.0	29.3	29.6	27.7	26.7	26.6
100 to 499 lb	21.6	28.7	29.3	26.3	41.9	40.3	22.0	29.9	30.0
500 to 749 lb	S	33.2	33.1	32.5	40.2	40.5	31.5	S	S
750 to 999 lb	S	45.2	40.7	43.4	S	S	S	30.8	30.9
1,000 to 9,999 lb	21.4	14.9	14.1	26.0	41.1	41.2	17.8	S	S
10,000 to 49,999 lb	28.9	28.6	28.4	24.3	23.1	22.8	30.2	24.0	24.1
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	13.7	13.9	14.2	13.3	11.2	11.5	15.2	11.5	11.7
Less than 50 lb	20.5	10.7	11.4	24.3	15.6	15.7	25.2	23.2	23.0
50 to 99 lb	24.8	40.2	S	29.0	44.0	44.8	14.5	14.1	14.1
100 to 499 lb	11.8	14.0	14.3	14.4	16.2	16.2	15.0	15.6	15.4
500 to 749 lb	27.5	17.7	17.9	19.5	19.6	18.8	33.7	28.4	28.2
750 to 999 lb	29.2	33.8	32.4	42.1	25.6	24.7	24.4	20.1	19.4
1,000 to 9,999 lb	25.5	26.0	26.8	24.5	22.7	23.3	31.6	22.2	22.6
10,000 to 49,999 lb	46.4	27.6	27.9	42.6	26.4	25.5	31.6	24.0	24.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	15.1	32.2	33.9	21.9	26.1	28.4	17.9	23.8	24.2
Less than 50 lb	26.2	26.8	25.1	26.4	33.2	33.3	38.5	44.9	45.2
50 to 99 lb	33.9	47.5	46.2	35.8	40.1	41.3	S	S	S
100 to 499 lb	44.1	47.0	47.7	S	S	S	31.9	28.2	28.1
500 to 749 lb	S	48.2	46.9	S	S	S	S	39.6	39.0
750 to 999 lb	42.6	34.2	32.9	39.3	41.3	41.0	32.4	36.1	36.5
1,000 to 9,999 lb	33.3	25.0	25.1	25.5	40.0	39.1	30.9	23.4	23.5
10,000 to 49,999 lb	23.5	43.2	45.6	23.0	19.4	19.3	28.2	17.6	17.5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	44.9	46.7	49.1	S	47.2	S	S	45.2	46.2
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	24.4	10.3	10.2	15.9	19.7	18.8	23.4	35.0	35.9
Less than 50 lb	38.4	41.4	44.4	S	S	S	S	S	S
50 to 99 lb	S	S	S	27.3	24.8	24.3	47.9	S	S
100 to 499 lb	25.0	22.2	29.9	33.4	22.4	23.1	41.0	34.7	34.6
500 to 749 lb	33.0	27.2	26.6	47.8	S	S	38.7	37.7	36.1
750 to 999 lb	36.0	41.9	42.6	S	S	S	S	46.4	47.5
1,000 to 9,999 lb	S	29.8	30.4	23.7	26.6	27.0	29.7	20.8	20.6
10,000 to 49,999 lb	29.5	26.7	25.6	24.2	32.0	29.8	15.3	S	S
50,000 to 99,999 lb	49.7	S	S	S	49.2	S	37.9	46.3	44.7
100,000 lb or more	19.4	15.5	15.6	20.4	20.4	19.9	S	47.1	47.2
SCTG 33, Articles of base metal	19.6	20.2	19.8	9.7	19.2	29.0	14.4	20.6	20.3
Less than 50 lb	16.8	18.8	19.6	14.5	22.3	22.3	18.2	24.1	23.5
50 to 99 lb	22.5	20.1	20.3	24.9	27.3	26.4	31.8	30.2	29.6
100 to 499 lb	15.4	18.2	19.2	29.6	24.7	24.8	15.1	18.7	18.6
500 to 749 lb	43.7	35.2	33.1	45.5	28.3	27.5	27.9	38.7	45.9
750 to 999 lb	27.4	24.6	25.0	25.8	39.4	41.6	48.4	31.2	30.7
1,000 to 9,999 lb	34.6	34.0	33.1	15.9	19.0	18.7	20.5	34.1	33.9
10,000 to 49,999 lb	48.8	32.1	31.5	14.2	22.9	22.6	29.9	28.4	27.7
50,000 to 99,999 lb	39.2	43.3	S	S	S	S	43.4	42.7	42.5
100,000 lb or more	47.1	48.9	46.9	S	S	S	45.3	S	S
SCTG 34, Machinery	12.5	35.1	35.1	14.0	18.2	18.2	17.7	46.6	45.7
Less than 50 lb	13.0	23.7	26.3	13.3	15.5	15.7	16.8	31.0	30.8
50 to 99 lb	19.4	47.5	48.8	16.8	18.5	19.0	16.1	19.0	17.9
100 to 499 lb	18.1	32.7	31.8	42.0	22.3	22.0	16.0	28.2	30.8
500 to 749 lb	35.5	34.6	33.0	21.6	25.9	26.0	44.1	28.5	27.5
750 to 999 lb	43.2	34.4	32.3	39.9	22.6	22.6	37.5	23.2	22.6
1,000 to 9,999 lb	16.7	19.2	20.2	19.7	17.5	17.1	43.3	21.0	21.2
10,000 to 49,999 lb	33.7	23.3	22.9	23.3	23.5	24.0	26.6	26.5	25.5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	10.7	30.9	29.6	10.6	14.8	15.0	13.0	38.5	39.3
Less than 50 lb	15.6	15.0	14.7	10.6	11.7	11.8	13.6	19.7	19.5
50 to 99 lb	12.3	16.6	16.3	11.5	16.3	16.4	16.8	16.6	16.4
100 to 499 lb	17.5	17.4	16.6	12.4	18.2	19.0	13.2	14.0	13.6
500 to 749 lb	25.9	21.0	20.9	42.8	22.9	22.6	23.0	23.3	22.6
750 to 999 lb	27.4	35.8	36.6	43.2	29.9	29.5	31.3	27.0	26.8
1,000 to 9,999 lb	25.2	41.3	41.7	20.6	22.4	23.7	32.8	S	S
10,000 to 49,999 lb	30.3	39.5	36.1	S	30.7	30.2	24.5	22.0	21.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	—	—	—	34.5	27.4	28.0

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	28.6	40.2	42.1	17.2	16.5	16.1	24.7	21.4	21.3
Less than 50 lb	15.3	12.5	13.0	18.9	14.8	14.8	17.0	12.9	12.7
50 to 99 lb	31.2	21.9	20.9	25.0	24.2	24.5	25.4	31.9	33.2
100 to 499 lb	21.4	20.1	21.9	21.1	18.6	18.6	22.4	21.4	20.9
500 to 749 lb	32.1	37.2	40.3	S	49.4	45.3	41.6	35.3	34.3
750 to 999 lb	S	S	S	S	48.1	48.1	S	46.4	46.1
1,000 to 9,999 lb	39.2	42.1	44.3	33.6	19.3	18.8	27.0	24.0	24.2
10,000 to 49,999 lb	31.6	43.7	45.4	21.7	22.2	21.5	34.9	32.9	32.2
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 37, Transportation equipment, n.e.c.	39.2	S	S	27.2	20.2	20.9	38.1	21.2	21.5
Less than 50 lb	32.3	24.5	26.8	24.5	12.9	13.2	S	34.4	35.4
50 to 99 lb	24.3	30.1	31.6	25.9	22.5	23.1	S	34.2	34.4
100 to 499 lb	36.9	27.5	29.1	21.7	27.2	24.1	S	S	S
500 to 749 lb	S	45.7	48.1	S	S	S	S	42.5	44.4
750 to 999 lb	S	33.4	31.0	S	S	S	S	S	S
1,000 to 9,999 lb	39.0	35.6	38.0	S	49.7	S	S	36.9	38.2
10,000 to 49,999 lb	S	S	S	33.0	31.4	31.4	S	24.6	24.5
50,000 to 99,999 lb	—	—	—	S	S	S	S	S	S
100,000 lb or more	S	S	S	41.3	38.3	38.0	S	S	S
SCTG 38, Precision instruments and apparatus	10.3	18.3	17.3	9.8	18.6	17.6	14.1	19.7	19.9
Less than 50 lb	16.3	19.3	17.9	11.1	13.6	14.0	13.6	15.6	15.7
50 to 99 lb	30.2	18.0	17.5	22.4	22.5	22.8	19.0	19.5	19.4
100 to 499 lb	33.6	22.2	22.3	15.6	18.6	18.4	22.2	25.5	27.3
500 to 749 lb	36.4	S	S	29.2	28.3	28.3	34.4	43.9	42.6
750 to 999 lb	S	S	S	S	S	S	46.2	47.4	S
1,000 to 9,999 lb	35.0	47.6	46.9	32.3	33.8	31.9	33.3	32.8	32.7
10,000 to 49,999 lb	S	S	S	41.9	45.2	45.4	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12.7	15.6	15.1	25.9	12.2	12.1	15.0	21.5	21.2
Less than 50 lb	37.2	32.1	31.2	46.2	S	S	29.3	29.2	29.4
50 to 99 lb	29.4	26.6	26.9	S	S	S	S	44.7	41.9
100 to 499 lb	23.6	18.1	18.1	33.5	23.6	23.8	22.6	16.0	16.0
500 to 749 lb	21.8	23.4	24.1	38.5	26.1	26.2	37.6	27.1	25.7
750 to 999 lb	24.7	21.0	21.7	S	31.6	31.7	37.3	21.3	21.2
1,000 to 9,999 lb	19.1	16.8	16.5	30.5	14.1	13.5	21.0	17.8	17.9
10,000 to 49,999 lb	17.2	23.3	22.4	26.8	21.4	21.2	28.3	35.8	35.2
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products ...	11.4	S	S	16.3	38.8	38.6	8.2	36.8	36.0
Less than 50 lb	15.0	18.6	18.6	25.2	15.1	15.3	11.3	18.1	18.5
50 to 99 lb	24.5	44.3	43.1	17.1	21.0	19.5	24.3	19.4	19.8
100 to 499 lb	18.3	25.4	24.4	23.3	11.5	11.4	13.7	11.5	11.5
500 to 749 lb	23.3	36.8	39.1	28.0	27.3	26.5	26.9	S	S
750 to 999 lb	13.5	18.2	18.5	17.5	19.4	19.6	45.2	16.5	16.6
1,000 to 9,999 lb	17.7	S	S	26.6	S	S	15.2	S	S
10,000 to 49,999 lb	44.8	31.3	31.8	36.6	33.0	32.7	32.4	25.6	25.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 41, Waste and scrap .	28.0	30.5	29.8	15.9	16.5	16.4	30.0	35.9	35.8
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	—	—	—	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	21.7	40.0	39.7	20.0	17.5	18.5	38.0	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	49.1	49.3	48.4	S	S	39.1	38.9	38.9
SCTG 43, Mixed freight	27.3	41.2	41.6	21.6	35.6	35.6	39.1	49.1	S
Less than 50 lb	38.5	46.0	45.1	30.5	40.2	40.6	47.3	40.7	43.3
50 to 99 lb	S	S	S	44.5	48.7	49.3	41.9	44.3	43.4
100 to 499 lb	42.6	40.8	44.1	40.4	41.4	41.2	46.7	S	S
500 to 749 lb	S	S	S	S	35.7	37.5	48.5	S	S
750 to 999 lb	S	S	S	S	S	S	S	48.1	48.1
1,000 to 9,999 lb	S	37.7	36.8	32.2	26.3	26.1	39.8	32.5	35.8
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	32.8	S	S	23.0	33.1	34.1	35.3	45.1	44.0
Less than 50 lb	35.9	24.1	24.7	34.6	20.2	19.5	24.3	42.2	39.9
50 to 99 lb	S	S	S	43.1	S	S	32.9	32.8	32.4
100 to 499 lb	S	36.4	34.7	37.7	28.8	29.4	34.2	30.4	30.7
500 to 749 lb	45.2	43.0	40.8	S	S	S	S	41.7	41.3
750 to 999 lb	S	S	S	S	48.4	47.6	45.1	43.0	43.3
1,000 to 9,999 lb	S	28.6	27.8	36.9	44.4	45.2	40.9	S	S
10,000 to 49,999 lb	S	47.8	46.5	44.2	43.3	42.1	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	27.1	S	S	S	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

SAMPLE DESIGN

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

First Stage

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidiroglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty make up the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode-NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

Second Stage

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26,

1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

Third Stage

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

DATA COLLECTION

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which

the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed "unusable." (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these "unusable" shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of "usable" shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment's reporting week are both equal to one.

The quarter weight inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of

quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment's value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment's probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

Appendix D.

Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by agencies of the United States and Canadian governments based on the Harmonized System (HS) of product classification which is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In the past, Commodity Flow Survey (CFS) data have been collected and reported using product classifications found in the Standard Transportation Commodity Classification (STCC) system. These classifications were developed in the early 1960s by the American Association of Railroads (AAR) to analyze commodity movements by rail. The original purpose of the STCC was for identification of commodities for purposes of assigning rates for Interstate Commerce Commission (ICC) regulated rail carriers. The STCC continues to be used by the AAR as a tariff mechanism.

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although

it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

In 1997 the CFS provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, we instructed respondents to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment.

Additional information on the SCTG system can be found on the Internet through the BTS web page at <http://www.bts.gov>. Comments or questions on the SCTG should be directed to [http://cfs@bts.gov](mailto:cfs@bts.gov).

Appendix E.

Sample Report Forms and Instructions

The sample report forms and instructions are shown on the following pages.

Note: The CFS-2000 was sent to a subsample of establishments to obtain additional information about the use of transportation equipment and facilities.

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

--

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see *Instruction Guide* for a definition of "shipment."**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

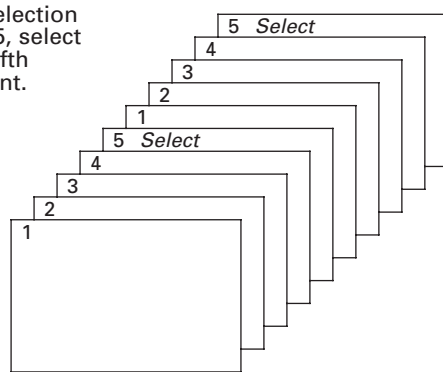
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

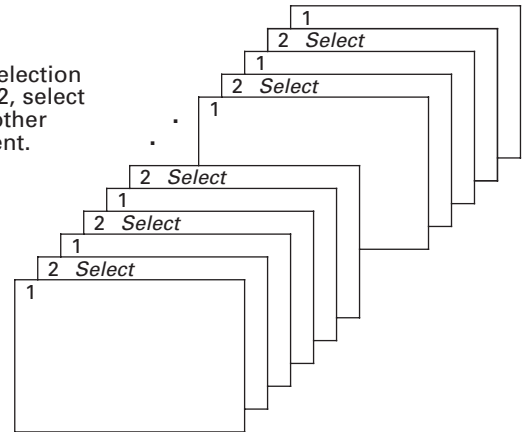
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel

6 — Deep draft vessel

7 — Pipeline

8 — Air

9 — Other mode

0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G
1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

2. Are the records for outbound shipments from this location maintained in a number of separate files (e.g., separate files for each commodity, or for each shipping site) at this location?

☐ Yes

☐ No

If yes to item G1 or item G2:
3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

Enter the total value of shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item I

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item J
CERTIFICATION

Name of person to contact regarding this report — *Please print*

Telephone number — *Include area code*

Date

Signature

Title

FORM CFS-1000 (11-1-96) Page 7

E-8 APPENDIX E TRANSPORTATION-COMMODITY FLOW SURVEY

U.S. Census Bureau, 1997 Economic Census

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date —→

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

--

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see Instruction Guide for a definition of "shipment."

DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.**YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

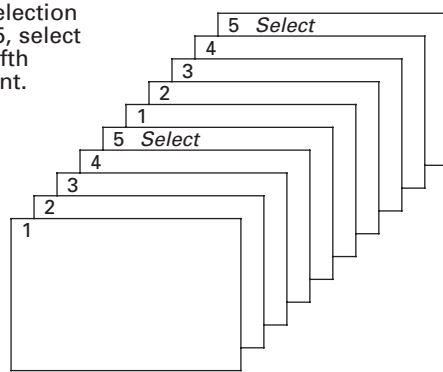
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

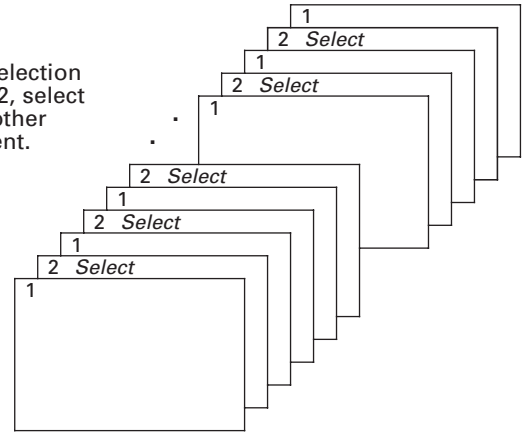
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G

Enter the total dollar value of **all** shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item H

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item I
AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not this type of facility existed **on-site** during 1997. For each "Yes" in column (b), check "Yes" or "No" in column (c) to indicate whether or not you used the facility on your premises for **outbound shipments** during 1997.

Type of shipping facility (a)	Was a shipping facility of this type on your premises during 1997? (b)	Did you use this facility on your premises for outbound shipments during 1997? (c)
1. Rail siding	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
2. Dock on the Great Lakes	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
3. Dock on inland water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
4. Dock on deep sea water	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No
6. Pipeline terminal	1 ☐ Yes —→ 2 ☐ No	1 ☐ Yes 2 ☐ No

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)		
	City	State	ZIP Code			City	Country		
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item J **USE OF OFF-SITE SHIPPING FACILITIES**

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not you used an **off-site** facility of that type for **outbound shipments** during 1997. For each "Yes", enter the miles to that off-site facility in column (c), and the mode of transport used to reach that facility in column (d). The modes are listed below.

Type of shipping facility (a)	Did you use this type of off-site facility for outbound shipments during 1997? (b)	Distance to the off-site facility of this type that you used most in 1997 (Report in miles – estimates are acceptable) (c)	Mode of transport used to reach that facility (Enter a code from the list below) (d)
1. Rail siding	1 ☐ Yes —————→ 2 ☐ No		
2. Dock on the Great Lakes	1 ☐ Yes —————→ 2 ☐ No		
3. Dock on inland water	1 ☐ Yes —————→ 2 ☐ No		
4. Dock on deep sea water	1 ☐ Yes —————→ 2 ☐ No		
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes —————→ 2 ☐ No		
6. Pipeline terminal	1 ☐ Yes —————→ 2 ☐ No		

1 – Trailer on Flat Car (TOFC)
2 – Private Truck

3 – For-Hire Truck
4 – Rail

5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

During 1997, did this location use any of the following types of equipment for outbound shipments? Please check "Yes" or "No." For rail cars reported in number 1 below, enter the approximate percentage of your total outbound rail shipments that used that type of rail car. These percentages should add to 100%. If you had no rail shipments, leave the percentages blank.

Equipment (a)	Was this type of equipment used for outbound shipments during 1993? (b)	Percentage of total rail shipments (c)
1. Rail cars that:	1 ☐ Yes → 2 ☐ No	
a. Your company owned/leased		
b. A common carrier owned/leased	1 ☐ Yes → 2 ☐ No	
c. Another party owned/leased (e.g. receiver)	1 ☐ Yes → 2 ☐ No	
2. Trucks with 6 or more tires or truck-tractors that:	1 ☐ Yes 2 ☐ No	
a. Your company owned		
b. Your company leased, with driver	1 ☐ Yes 2 ☐ No	
c. Your company leased, without driver	1 ☐ Yes 2 ☐ No	
3. Truck trailers that your company owned or leased	1 ☐ Yes 2 ☐ No	
4. Aircraft that your company owned or leased	1 ☐ Yes 2 ☐ No	
5. Barges that your company owned or leased	1 ☐ Yes 2 ☐ No	
6. Other equipment that your company owned or leased – <i>Specify</i> ↗	1 ☐ Yes 2 ☐ No	

Item L TRANSPORTATION DECISIONS

During 1997, who generally decided on the mode of transportation for your outbound shipments? *Check the appropriate box.*

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

Item M CERTIFICATIONName of person to contact regarding this report – *Please print*Telephone number – *Include area code*

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

You may use estimates if book figures are not readily available.

If you have questions about completing the survey, a Census Bureau representative will be glad to assist you. You can call us at 1-800-772-7851.

Some instructions are included on the questionnaire itself. However, due to space limitations, most of the instructions and definitions are included in separate reference materials. These include this instruction guide, and a listing of commodity codes to be used for classifying individual shipments in this survey.

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

The CFS produces valuable measures of the demands on the nation's transportation system.

The results of the CFS are used by transportation policy makers to analyze future transportation needs.

Who reports in the CFS?

The CFS covers a sample of establishments in the mining, manufacturing, wholesale, and selected retail industries.

Why is my participation important?

Your establishment was selected as part of a sample designed to represent a wide range of industries and geographic regions.

Your report helps ensure quality results.

Is this survey mandatory?

Yes. The CFS is mandatory under the authority of Title 13, United States Code (USC).

Will my data be kept confidential?

Yes. The same law that requires your participation, Title 13, USC, also guarantees your data will be kept strictly confidential.

The reports you provide the Census Bureau cannot be used for purposes of taxation, regulation, or investigation.

Your report is used only to develop summary data that do not reveal the activities of individual firms or establishments.

How often must I report?

You will be sent four questionnaires in all: one during each quarter of 1997.

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

Please enter the information requested on your establishment's name, operational status, and physical location.

Item D

Enter in the space provided your total number of outbound shipments **for the one week reporting period** on the front of the questionnaire.

Please include in this count any materials picked up by the customer ("customer pick-up").

What we mean by a "shipment":

For the purposes of this survey, a shipment is a single movement of goods, commodities, products, etc. from your location to a customer or to another location of your company.

"Commodities" refer to items that your location produces, sells, or distributes, *not* to items that are considered by-products of your location's operation.

What we don't mean by a "shipment":

Do *not* include as shipments items such as inter-office memos, payroll checks, business correspondence, etc.

Do *not* include as shipments items such as refuse, scrap paper, waste, and recyclable materials **unless** your location is in the business of selling or providing these materials to others.

A special note about "shipments":

A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location.

If a truck makes multiple deliveries on a route, **please count each stop as one shipment.**

Item E: Sampling Instructions

If you reported 40 or fewer shipments in Item D, complete Item F (Shipment Characteristics) for all of your shipments covered by the one-week reporting period.

If you reported more than 40 shipments in Item D, follow the instructions in Item E in order to select a sample of shipments on which to report in Item F.

By asking you to select a sample of your shipments for the one-week reporting period, we avoid asking you for information on all your shipments, while still obtaining statistically accurate information.

Reminder: The files you are sampling from should reflect the full range of your location's shipping activities in terms of modes of transportation used, commodities shipped, and destinations.

We're here to answer your questions! If you have questions about the sampling process (or any part of the questionnaire) please call us at 1-800-772-7851.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

- **Shipment ID Number (column b)** – Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date (column c)** – Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value (column d)** – Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, f.o.b. plant). If the value is not readily available from your records, please estimate.
- **Shipment Weight (column e)** – Enter the weight of the total shipment in whole pounds. If weight is not readily available from your records, please estimate.
- **Commodity Code (column f)** – Please use the list of Standard Classification of Transported Goods (SCTG) Codes in the enclosed SCTG Manual to select the proper code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight.
- **Commodity Description (column g)** – Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.

Item F SHIPMENT CHARACTERISTICS							
Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
		Month	Day				
0	123-5	4	26	4,235	140	3 6 1 2 0	Electrical transformers
00	123-6	4	26	125,300	626,500	1 7 1 0 0	Gasoline
1							
2							
3							
4							

Mode of transport codes for columns (k) and (n) ▶
1 — Parcel delivery, courier, or U.S. Postal Service
2 — Private truck
3 — For-hire truck
4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **For Hazardous Materials (column h)** – If shipment is a hazardous material, enter the 4-digit United Nations or North American number.
- **Containerized (column i)** – Indicate whether or not the shipment was containerized by entering "Y" or "N" (yes or no). Containerized means that the shipment **left your establishment** in an intermodal container or stackable tank without permanently attached wheels. These containers typically vary from 20 to 53 feet in length, and are carried on truck chassis, trains, and ships.
- **U.S. Destination: City, State, and ZIP Code (column j)** – For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver as it appears on the shipping document. Use the **"ship to"** address. Use the two letter state abbreviation shown in Part IV.

For **export shipments**, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, it is the border crossing.
- **Mode(s) of Transport (column k)** – Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in column j). Codes are located on the bottom of pages 2, 3, 4, and 5 of the questionnaire. Enter in the sequence used, all that apply. See Part III for definitions of each mode.

For Customer Pick-up: Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

If a hazardous material, enter the "UN" or "NA" number (h)	Containerized? (Y/N) (i)	U.S. destination (j)			Mode(s) of transport to U.S. destination Enter all that apply using codes shown below. (k)
		City	State	ZIP Code	
	N	Los Angeles	CA	90040	2, 4, 3
	N	New York	NY	10454	5

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **Export Shipment (column l)** – Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" or "N" (yes or no). For purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions are considered exports.
- **Foreign Destination: City and Country (column m)** – If the shipment is an export, enter the foreign city and country of destination. **For U.S. Destination (column j),** enter the U.S. port, airport, or border crossing of exit. **In column (k),** enter the mode of transport used to the U.S. destination.
- **Export Mode (column n)** – If the shipment is an export, enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 2, 3, 4, and 5 of the questionnaire.

Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	Country		
N				0
Y	London	England	6	00
				1
				2
				3
				4
				5

Items G – I

Please enter the information requested.

Item J: Certification

Please enter the name and telephone number of the person to contact in the event that we have a question about your report.

PART III – MODE DEFINITIONS

Parcel delivery/Courier/U.S. Postal Service – Delivery services that carry letters, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.

Private truck – Trucks operated by a temporary or permanent employee of this establishment or the buyer/receiver of the shipment.

For-hire truck – Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.

Railroad – Any common carrier or private railroad.

Shallow draft vessel – Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.

Deep draft vessel – Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.

Air – Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.

Other mode – Any mode not listed above.

Unknown – The shipment was not carried by a parcel delivery/courier/U.S. Postal service, and you cannot determine what mode of transportation is used.

Note: Commodities that are "shipped" under their own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Commodities shipped under their own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other" mode.**

PART IV -- STATE ABBREVIATION LIST

State	Abbrev.	State	Abbrev.
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

NOTICE - We estimate that it will take an average of 2 hours to complete this form. This includes time to read instructions, assemble and review information, and record answers on the form. If you have any comments regarding this estimate or any other aspect of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0189, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-0001. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

