

General Summary

1997

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1997 Economic Census

Mining

Subject Series



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1997 Economic Census

Mining

Summary Series



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-- Not applicable.

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.

ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information

52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Foodservices
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

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.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

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.

Special Tabulations

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division 301-457-4673
Service Sector Statistics Division 301-457-2668

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.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

A	Standard error of 100 percent or more.
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue.
N	Not available or not comparable.
Q	Revenue not collected at this level of detail for multiestablishment firms.
S	Withheld because estimates did not meet publication standards.

V	Represents less than 50 vehicles or .05 percent.
X	Not applicable.
Y	Disclosure withheld because of insufficient coverage of merchandise lines.
Z	Less than half the unit shown.
a	0 to 19 employees.
b	20 to 99 employees.
c	100 to 249 employees.
e	250 to 499 employees.
f	500 to 999 employees.
g	1,000 to 2,499 employees.
h	2,500 to 4,999 employees.
i	5,000 to 9,999 employees.
j	10,000 to 24,999 employees.
k	25,000 to 49,999 employees.
l	50,000 to 99,999 employees.
m	100,000 employees or more.
p	10 to 19 percent estimated.
q	20 to 29 percent estimated.
r	Revised.
s	Sampling error exceeds 40 percent.
nec	Not elsewhere classified.
nsk	Not specified by kind.
–	Represents zero (page image/print only).
(CC)	Consolidated city.
(IC)	Independent city.

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Mining

SCOPE

The Mining sector of the 1997 Economic Census covers all mining establishments of companies with one or more paid employees. Mining is defined as the extraction of naturally occurring mineral solids, such as coal and ores; liquid minerals, such as petroleum; and gases, such as natural gas. The term mining is used in the broad sense to include quarrying, well operations, beneficiating (e.g., crushing, screening, washing, and floatation), and other preparations customarily performed at the mine site or as part of the mining activity.

The Mining sector distinguishes two basic activities: mine operation and mining support activities. Mine operation includes establishments operating mines, quarries, or oil and gas wells on their own account or for others on a contract or fee basis. Mining support activities include establishments that perform exploration (except geophysical surveying) and/or other mining services on a contract or fee basis.

Establishments in the Mining sector are classified by industry according to the natural resources mined or to be mined. Included are establishments that develop the mine site, extract the natural resources, and/or those that beneficiate (i.e., prepare) the mineral mined. The operations that take place in beneficiation are primarily mechanical, such as grinding, washing, magnetic separation, and centrifugal separation. The range of preparation activities varies by mineral and the purity of any given ore deposit.

Mining, beneficiation, and manufacturing activities often occur in a single location. Separate receipts are collected for these activities whenever possible. When receipts cannot be broken out between mining and manufacturing, establishments that mine or quarry nonmetallic minerals and beneficiate the nonmetallic minerals into more finished manufactured products are classified based on the primary activity of the establishment.

Hauling and other transportation beyond the mine property and contract hauling (except out of open pits in conjunction with mining) are excluded.

GENERAL

This report, from the 1997 Economic Census – Mining, is one of a series of 29 industry reports and 51 geographic area reports, each of which provides statistics for individual industries, states, or offshore areas. Also included for this sector are the General, Products, and Materials and Fuels Consumed Summary reports, and data files on Location of Mining Operations.

Each industry report presents data for a six-digit North American Industry Classification System (NAICS) industry. A description of the particular NAICS industry may be found in Appendix B. These reports include such statistics as number of establishments, employment, payroll, value added by mining, cost of supplies used, value of shipments and receipts, capital expenditures, etc., for each mining industry. Explanations of these and other terms may be found in Appendix A. The industry reports also include data for states with 100 employees or more.

State reports present similar statistics at the sector level for each state, the District of Columbia, and the offshore areas. The state of Delaware and the District of Columbia are combined in a single report. The state reports also include data for industries with 100 employees or more in the state.

The General Summary report contains industry and geographic area statistics summarized in one report. It includes higher levels of aggregation than the industry and state reports as well as revisions to the data made after the release of the industry and state reports.

The Products Summary and the Materials and Fuels Consumed Summary reports summarize the products, materials, and fuels data published in the industry series reports.

The Location of Mining Operations data files include statistics on the number of establishments by three- and six-digit NAICS industry by state and offshore area by employment size of the establishment.

GEOGRAPHIC AREAS COVERED

The state reports for the mining industries include data at the state level and some offshore areas. No substate data are available.

Data for offshore areas that are part of Alaska, California, Louisiana, and Texas are included in their respective state area reports and represent offshore operations on all these state offshore leases and all Federal offshore leases defined by their state plane coordinate systems. State offshore includes the areas extending from the coastline up to 3 geographical miles distance except for Texas and Florida which extend 3 marine leagues from the coastline in the Gulf of Mexico. Data for offshore areas not associated with a state are in an Offshore Areas geographic report which includes the following areas:

Atlantic Offshore

- Atlantic Federal Area
- New Hampshire state offshore
- Maine state offshore
- Massachusetts state offshore
- Connecticut state offshore
- New York state offshore
- New Jersey state offshore
- Delaware state offshore
- Maryland state offshore
- Virginia state offshore
- North Carolina state offshore
- South Carolina state offshore
- Georgia state offshore
- Florida state Atlantic offshore

Northern Gulf of Mexico Offshore

- Northern Gulf of Mexico Federal Areas defined by the Universal Transverse Mercator Coordinate System (including areas generally south of the state plane coordinate systems of Louisiana and Texas)
- Mississippi state offshore
- Alabama state offshore
- Florida state Gulf offshore

Pacific Offshore

- Pacific Federal areas defined by Universal Transverse Mercator Coordinate System
- Oregon state offshore
- Washington state offshore

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) has had only a minor effect on the comparability of data between the 1992 and 1997 censuses at the sector level. However, within the sector the number of major levels changed from four to three. In

addition, portions of industries left mining for the services sector. Prominent among items leaving mining are geophysical surveying and mapping services for metal mining, oil and gas, and nonmetallic minerals mining. If industries are not comparable between the two censuses, historic data are not shown.

Another change resulting from the conversion to NAICS is that data for central administrative offices (CAOs) associated with mining are no longer included in the mining data. This change affects all levels of data shown in the reports.

DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments classified in a specific industry or geography is not considered a disclosure and may be released even when other information is withheld.

The disclosure analysis for the industry statistics files is based on the total value of shipments and receipts. When the total value of shipments and receipts cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. If capital expenditures alone is a disclosure, only capital expenditures and cost of supplies statistics are suppressed. The suppressed data are included in higher-level totals.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The County Business Patterns program of the U.S. Census Bureau offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county and state.

Table 1-1. Industry Statistics: 1997

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

NAICS code	Industry	Companies ¹	All establishments ²	All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)
				For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
21	Mining	19 985	25 000	509 006	20 798 257	389 232	808 519	15 316 635	133 635 967	71 403 716	173 985 314	31 054 369
211	Oil & gas extraction	6 859	8 312	110 881	5 510 560	67 197	135 598	3 172 641	82 349 922	42 268 364	102 834 003	21 784 283
2111	Oil & gas extraction	6 859	8 312	110 881	5 510 560	67 197	135 598	3 172 641	82 349 922	42 268 364	102 834 003	21 784 283
21111	Oil & gas extraction	6 859	8 312	110 881	5 510 560	67 197	135 598	3 172 641	82 349 922	42 268 364	102 834 003	21 784 283
211111	Crude petroleum & natural gas extraction	6 806	7 784	100 333	4 968 972	58 328	116 793	2 716 562	77 202 492	21 908 937	78 005 625	21 105 804
211112	Natural gas liquid extraction	89	528	10 548	541 588	8 869	18 805	456 079	5 147 430	20 359 427	24 828 378	678 479
212	Mining (except oil & gas)	4 944	7 348	229 319	9 421 600	188 988	400 094	7 527 534	35 206 868	21 878 784	51 252 625	5 833 027
2121	Coal mining	1 084	1 511	87 965	3 983 818	75 398	158 439	3 305 846	15 567 100	9 886 472	23 426 994	2 026 578
21211	Coal mining	1 084	1 511	87 965	3 983 818	75 398	158 439	3 305 846	15 567 100	9 886 472	23 426 994	2 026 578
212111	Bituminous coal & lignite surface mining	607	829	36 632	1 652 355	30 398	64 952	1 323 722	7 289 615	5 927 643	12 451 067	766 191
212112	Bituminous coal underground mining	461	614	50 192	2 295 137	44 075	91 735	1 954 779	8 177 626	3 840 220	10 793 419	1 224 427
212113	Anthracite mining	57	68	1 141	36 326	925	1 752	27 345	99 859	118 609	182 508	35 960
2122	Metal ore mining	372	493	45 467	1 993 126	39 103	83 717	1 654 613	7 386 746	5 819 293	11 204 250	2 001 789
21221	Iron ore mining	26	32	7 920	393 921	6 787	15 326	330 553	991 697	1 037 569	1 937 749	91 517
212210	Iron ore mining	26	32	7 920	393 921	6 787	15 326	330 553	991 697	1 037 569	1 937 749	91 517
21222	Gold ore & silver ore mining	260	316	18 292	810 479	16 199	33 712	704 170	2 864 837	2 344 858	4 073 265	1 136 430
212221	Gold ore mining	248	300	17 512	777 636	15 495	32 088	674 922	2 780 064	2 301 751	3 951 750	1 130 065
212222	Silver ore mining	15	16	780	32 843	704	1 624	29 248	84 773	43 107	121 515	6 365
21223	Copper, nickel, lead, & zinc mining	39	80	15 872	639 501	13 447	28 801	513 977	3 050 025	2 137 603	4 549 185	638 443
212231	Lead ore & zinc ore mining	17	31	2 127	88 613	1 766	3 556	67 327	415 661	225 115	531 367	109 409
212234	Copper ore & nickel ore mining	23	49	13 745	550 888	11 681	25 245	446 650	2 634 364	1 912 488	4 017 818	529 034
21229	Other metal ore mining	56	65	3 383	149 225	2 670	5 878	105 913	480 187	299 263	644 051	135 399
212291	Uranium-radium-vanadium ore mining	21	29	695	26 597	513	928	16 374	90 152	73 742	103 198	60 696
212299	All other metal ore mining	35	36	2 688	122 628	2 157	4 950	89 539	390 035	225 521	540 853	74 703
2123	Nonmetallic mineral mining & quarrying	3 514	5 344	95 887	3 444 656	74 487	157 938	2 567 075	12 253 022	6 173 019	16 621 381	1 804 660
21231	Stone mining & quarrying	1 326	2 367	44 052	1 550 893	35 260	76 232	1 188 858	5 549 127	2 680 912	7 385 451	844 588
212311	Dimension stone mining & quarrying	157	178	1 658	38 213	1 410	2 468	30 737	98 882	36 280	125 606	9 556
212312	Crushed & broken limestone mining & quarrying	705	1 435	27 563	957 853	22 295	48 494	736 642	3 323 272	1 648 361	4 470 738	500 895
212313	Crushed & broken granite mining & quarrying	122	290	6 812	271 019	5 560	13 035	212 963	1 139 899	572 687	1 512 891	199 695
212319	Other crushed & broken stone mining & quarrying	397	464	8 019	283 808	5 995	12 235	208 516	987 074	423 584	1 276 216	134 442
21232	Sand, gravel, clay, ceramic & refractory minerals mng & quarrying	2 065	2 674	37 052	1 261 390	27 646	56 900	919 977	4 080 061	2 011 084	5 540 513	550 632
212321	Construction sand & gravel mining ..	1 877	2 367	26 837	905 254	19 946	40 487	676 965	2 632 756	1 205 276	3 471 094	366 938
212322	Industrial sand mining	84	140	2 803	91 306	2 123	4 412	62 111	367 507	178 109	511 557	34 059
212324	Kaolin & ball clay mining	22	35	3 630	146 258	2 621	5 819	93 557	644 846	370 940	938 438	77 348
212325	Clay & ceramic & refractory minerals mining	100	132	3 782	118 572	2 956	6 182	87 344	434 952	256 759	619 424	72 287
21239	Other nonmetallic mineral mining & quarrying	240	303	14 783	632 373	11 581	24 806	458 240	2 623 834	1 481 023	3 695 417	409 440
212391	Potash, soda, & borate mineral mining	18	27	4 805	237 391	3 849	8 044	177 739	1 295 896	557 588	1 702 985	150 499
212392	Phosphate rock mining	15	20	3 858	169 479	3 140	7 291	122 343	639 055	509 869	1 016 889	132 035
212393	Other chemical & fertilizer mineral mining	36	45	2 160	88 110	1 573	3 283	60 833	239 096	146 877	361 396	24 387
212399	All other nonmetallic mineral mining ..	180	211	3 960	137 393	3 019	6 188	97 325	449 787	266 879	614 147	102 519
213	Support activities for mining	8 287	9 340	168 806	5 866 097	133 047	272 827	4 616 460	16 079 177	7 256 568	19 898 686	3 437 059
2131	Support activities for mining	8 287	9 340	168 806	5 866 097	133 047	272 827	4 616 460	16 079 177	7 256 568	19 898 686	3 437 059
21311	Support activities for mining	8 287	9 340	168 806	5 866 097	133 047	272 827	4 616 460	16 079 177	7 256 568	19 898 686	3 437 059
213111	Drilling oil & gas wells	1 362	1 628	52 858	1 900 985	44 370	90 245	1 524 777	5 708 652	3 795 551	7 298 223	2 205 980
213112	Support activities for oil & gas operations	6 383	7 066	106 118	3 621 946	80 479	166 269	2 809 823	9 569 393	3 093 204	11 501 280	1 161 317
213113	Support activities for coal mining ..	283	309	4 993	173 523	4 214	8 468	145 116	426 539	182 462	578 449	30 552
213114	Support activities for metal mining ..	134	182	3 025	108 969	2 564	4 997	91 301	239 904	121 567	338 105	23 366
213115	Support activities for nonmetallic minerals (except fuels)	148	155	1 812	60 674	1 420	2 848	45 443	134 689	63 784	182 629	15 844

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments of companies with payroll at any time during the year.

Table 1-2. Industry Statistics for Selected States and Offshore Areas: 1997

[Offshore areas refer to those areas not associated with a state. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	For pay period including March 12 ²	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)					Annual wages (\$1,000)
21, MINING												
United States	-	25 000	4 607	509 006	20 798 257	389 232	808 519	15 316 635	133 635 967	71 403 716	173 985 314	31 054 369
Alabama	-	291	84	9 066	370 711	7 421	15 155	292 111	1 774 858	651 683	2 239 945	186 596
Alaska	-	141	56	10 137	672 190	7 585	16 638	515 611	9 564 559	2 283 698	10 091 230	1 757 027
Arizona	-	206	49	12 889	510 000	10 699	23 994	409 058	2 170 755	1 230 109	3 068 897	331 967
Arkansas	-	307	43	3 250	97 936	2 602	5 473	74 996	704 404	198 367	793 742	109 029
California	1	910	226	22 110	944 705	16 908	34 647	677 797	7 496 894	4 103 317	10 487 924	1 112 287
Colorado	1	885	107	12 263	522 374	7 881	16 173	334 134	2 872 272	1 270 054	3 578 228	564 105
Connecticut	2	62	9	626	26 722	467	972	19 108	105 029	34 744	133 409	6 364
Delaware and District of Columbia	3	11	1	107	3 725	90	182	3 063	14 668	6 964	17 377	4 255
Florida	-	225	55	6 688	248 626	5 424	11 996	185 773	1 008 554	631 487	1 437 805	202 236
Georgia	-	205	76	6 354	233 362	4 984	10 993	169 103	1 023 980	547 237	1 441 860	129 357
Hawaii *	-	7	2	120	5 555	100	174	4 666	21 980	D	33 288	D
Idaho	-	118	27	3 021	117 563	2 418	4 722	89 207	291 008	208 534	449 008	50 534
Illinois	1	650	94	10 798	437 469	8 557	17 252	339 108	1 380 726	805 621	1 999 460	186 887
Indiana	-	347	61	6 007	241 279	5 013	11 333	200 423	794 724	401 280	1 085 458	110 546
Iowa	-	177	24	1 700	55 440	1 428	2 867	45 538	217 107	93 469	287 431	23 145
Kansas	-	1 026	89	7 998	244 526	5 993	11 554	174 106	2 177 593	1 283 676	3 224 911	236 358
Kentucky	-	691	261	22 400	832 468	19 413	40 511	171 793	3 297 393	2 460 986	5 324 568	433 811
Louisiana	-	1 608	391	52 816	2 302 325	38 255	83 281	1 597 540	21 889 018	12 045 254	27 309 828	6 624 444
Maine	5	21	1	76	1 485	50	89	1 006	4 449	D	4 946	D
Maryland	-	93	27	1 771	64 402	1 429	3 062	51 505	257 205	120 326	351 407	26 124
Massachusetts	2	72	17	1 063	41 808	704	1 474	27 263	109 896	62 281	153 347	18 830
Michigan	-	445	59	6 687	270 831	5 030	11 051	202 000	1 182 305	548 984	1 576 964	154 325
Minnesota	-	145	26	7 154	347 686	6 071	13 371	289 965	954 423	889 687	1 739 355	104 755
Mississippi	2	368	54	4 096	114 977	3 100	6 321	81 411	530 732	223 116	644 659	109 189
Missouri	1	306	53	4 561	146 321	3 645	6 875	115 351	503 038	244 580	685 945	61 673
Montana	-	294	42	5 328	216 251	3 864	8 020	146 238	1 047 353	391 541	1 297 707	141 187
Nebraska	1	150	12	1 078	31 055	858	1 491	23 681	104 091	46 861	130 874	20 078
Nevada	-	250	68	14 035	625 808	12 451	26 420	552 917	1 959 168	2 005 017	3 232 844	731 341
New Hampshire	2	32	6	396	18 327	293	663	13 551	43 640	30 262	69 122	4 780
New Jersey	2	95	28	1 864	84 161	1 350	2 919	59 724	242 579	105 156	310 690	37 045
New Mexico	-	606	133	14 600	573 699	11 520	23 719	437 690	5 336 170	3 019 929	7 298 600	1 057 499
New York	2	359	43	3 879	142 426	2 819	6 101	102 235	474 221	198 253	608 978	63 496
North Carolina	-	171	68	3 231	117 903	2 644	6 012	92 540	533 458	352 651	743 581	142 528
North Dakota	-	227	39	4 098	176 283	3 361	6 816	145 374	1 016 514	333 417	1 183 086	166 845
Ohio	1	828	128	11 997	453 648	8 961	18 296	324 021	1 746 314	713 642	2 156 080	303 876
Oklahoma	1	2 271	238	25 976	967 290	16 957	33 361	584 559	5 508 934	3 019 690	7 281 615	1 247 009
Oregon	2	134	28	1 739	61 387	1 216	2 657	43 189	161 107	96 396	221 193	36 310
Pennsylvania	1	914	190	17 522	676 663	14 262	29 687	538 762	2 411 032	1 464 092	3 513 149	361 975
Rhode Island	2	16	2	120	4 619	82	165	3 258	12 954	4 829	16 516	1 267
South Carolina	-	74	25	1 388	44 448	1 099	2 390	34 364	166 212	102 776	237 345	31 643
South Dakota	1	67	12	1 837	66 713	1 635	3 081	58 831	166 235	102 236	256 216	12 255
Tennessee	-	221	70	4 473	136 579	3 614	7 704	99 868	479 187	283 623	701 305	61 505
Texas	-	6 412	891	105 492	4 333 593	73 686	148 052	2 830 741	32 485 005	18 459 680	41 711 621	9 233 064
Utah	-	316	74	8 134	334 886	6 593	12 969	256 533	1 875 302	1 046 914	2 439 505	482 711
Vermont	5	52	5	658	22 184	538	1 055	17 579	72 053	25 816	90 637	7 232
Virginia	1	417	177	11 711	429 463	9 860	19 684	351 573	1 448 504	1 115 916	2 348 022	216 398
Washington	-	154	25	2 890	114 324	2 170	4 512	85 552	348 929	193 484	487 880	54 533
West Virginia	-	766	230	23 927	1 042 187	20 450	43 322	882 890	4 160 931	2 846 737	6 333 463	674 205
Wisconsin	-	147	29	2 304	92 070	1 598	3 611	62 350	311 713	146 008	397 491	60 230
Wyoming	-	669	131	15 436	722 868	12 367	26 456	568 974	5 394 859	2 753 851	7 345 118	803 592
Offshore areas not associated with a state	-	41	21	11 135	454 936	9 717	19 196	382 005	5 781 925	2 185 898	5 411 684	2 556 139
211, OIL & GAS EXTRACTION												
United States	-	8 312	873	110 881	5 510 560	67 197	135 598	3 172 641	82 349 922	42 268 364	102 834 003	21 784 283
Alabama	-	49	12	606	24 769	421	826	17 018	573 103	208 554	731 708	49 949
Alaska	-	20	10	2 389	247 884	1 715	4 055	173 143	8 199 384	1 743 351	8 842 865	1 099 870
Arkansas	-	121	5	711	24 191	466	969	15 594	451 356	84 763	475 739	60 380
California	2	240	48	5 678	325 459	3 594	7 354	193 769	5 398 055	3 275 490	7 811 678	861 867
Colorado	2	332	33	4 818	225 237	2 112	4 446	103 682	1 952 888	854 933	2 409 725	398 096
Florida	-	27	1	138	5 411	120	198	4 736	135 739	59 646	156 076	39 309
Illinois	2	203	9	931	22 245	601	998	13 193	133 826	76 889	165 021	45 694
Indiana	2	60	2	265	8 387	148	264	2 635	41 234	12 973	49 399	4 808
Kansas	-	483	34	3 581	123 359	2 552	4 847	82 628	1 870 340	1 150 206	2 817 446	203 100
Kentucky	1	97	9	969	26 744	476	890	13 039	172 444	78 486	192 478	58 452
Louisiana	-	571	115	17 162	962 509	10 826	22 768	592 658	17 893 233	9 887 983	22 209 673	5 571 543
Michigan	-	115	15	1 048	43 844	626	1 254	24 271	605 690	162 444	677 393	90 741
Mississippi	2	128	7	704	28 534	434	900	16 348	302 009	110 019	337 253	74 775
Montana	1	89	7	900	37 570	343	637	12 214	247 288	74 983	253 346	68 925
Nebraska	1	30	1	147	4 561	98	172	2 680	26 504	7 974	29 192	5 286
New Mexico	-	234	41	3 270	153 355	2 578	5 407	120 923	3 779 030	2 222 025	5 185 221	815 834
New York	4	55	3	311	10 349	199	426	6 344	49 136	17 414	57 741	8 809
North Dakota	-	59	7	1 049	53 676	888	1 962	45 812	663 790	192 806	739 046	117 550
Ohio	1	242	13	2 132	73 304	1 271	2 564	39 713	558 877	103 094	524 975	136 996
Oklahoma	1	1 126	84	11 665	525 010	5 781	11 508	247 232	4 357 937	2 439 013	5 758 419	1 038 531
Pennsylvania	2	135	12	1 107	39 780	768	1 595	24 916	237 804	47 000	247 048	37 756
Tennessee	1	15	3	103	3 038	63	123	1 612	16 034	D	19 183	D
Texas	-	3 275	324	43 672	2 207 537	25 682	50 386	1 180 137	26 758 181	15 924 101	34 441 291	8 240 991
Utah	-	72	16	1 123	50 040	682	1 374	26 549	690 662	920 767	888 054	173 375
Virginia	2	22	1	173	6 759	96	188	2 970	79 561	38 378	84 958	32 981
West Virginia	3	228	14	1 773	57 013	1 200	2 272</					

Table 1-2. Industry Statistics for Selected States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	For pay period including March 12 ²	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)					Annual wages (\$1,000)
2111, OIL & GAS EXTRACTION												
United States	-	8 312	873	110 881	5 510 560	67 197	135 598	3 172 641	82 349 922	42 268 364	102 834 003	21 784 283
Alabama	-	49	12	606	24 769	421	826	17 018	573 103	208 554	731 708	49 949
Alaska	-	20	10	2 389	247 884	1 715	4 055	173 143	8 199 384	1 743 351	8 842 865	1 099 870
Arkansas	-	121	5	711	24 191	466	969	15 594	451 356	84 763	475 739	60 380
California	2	240	48	5 678	325 459	3 594	7 354	193 769	5 398 055	3 275 490	7 811 678	861 867
Colorado	2	332	33	4 818	225 237	2 112	4 446	103 682	1 952 888	854 933	2 409 725	398 096
Florida	-	27	1	138	5 411	120	198	4 736	135 739	59 646	156 076	39 309
Illinois	2	203	9	931	22 245	601	998	13 193	133 826	76 889	165 021	45 694
Indiana	2	60	2	265	8 387	148	264	2 635	41 234	12 973	49 399	4 808
Kansas	-	483	34	3 581	123 359	2 552	4 847	82 628	1 870 340	1 150 206	2 817 446	203 100
Kentucky	1	97	9	969	26 744	476	890	13 039	172 444	78 486	192 478	58 452
Louisiana	-	571	115	17 162	962 509	10 826	22 768	592 658	17 893 233	9 887 983	22 209 673	5 571 543
Michigan	-	115	15	1 048	43 844	626	1 254	24 271	605 690	162 444	677 393	90 741
Mississippi	2	128	7	704	28 534	434	900	16 348	302 009	110 019	337 253	74 775
Montana	1	89	7	900	37 570	343	637	12 214	247 288	74 983	253 346	68 925
Nebraska	1	30	1	147	4 561	98	172	2 680	26 504	7 974	29 192	5 286
New Mexico	-	234	41	3 270	153 355	2 578	5 407	120 923	3 779 030	2 222 025	5 185 221	815 834
New York	4	55	3	311	10 349	199	426	6 344	49 136	17 414	57 741	8 809
North Dakota	-	59	7	1 049	53 676	888	1 962	45 812	663 790	192 806	739 046	117 550
Ohio	1	242	13	2 132	73 304	1 271	2 564	39 713	558 877	103 094	524 975	136 996
Oklahoma	1	1 126	84	11 665	525 010	5 781	11 508	247 232	4 357 937	2 439 013	5 758 419	1 038 531
Pennsylvania	2	135	12	1 107	39 780	768	1 595	24 916	237 804	47 000	247 048	37 756
Tennessee	1	15	3	103	3 038	63	123	1 612	16 034	D	19 183	D
Texas	-	3 275	324	43 672	2 207 537	25 682	50 386	1 180 137	26 758 181	15 924 101	34 441 291	8 240 991
Utah	-	72	16	1 123	50 040	682	1 374	26 549	690 662	370 767	888 054	173 375
Virginia	2	22	1	173	6 759	96	188	2 970	79 561	38 378	84 958	32 981
West Virginia	3	228	14	1 773	57 013	1 200	2 272	36 528	355 082	112 719	363 035	104 766
Wyoming	-	210	39	2 654	127 937	2 140	4 414	104 339	2 833 561	1 614 005	4 020 923	426 643
Offshore areas not associated with a state	-	20	8	1 643	86 940	1 208	2 587	64 519	3 931 942	1 365 794	3 292 525	2 005 211
21111, OIL & GAS EXTRACTION												
United States	-	8 312	873	110 881	5 510 560	67 197	135 598	3 172 641	82 349 922	42 268 364	102 834 003	21 784 283
Alabama	-	49	12	606	24 769	421	826	17 018	573 103	208 554	731 708	49 949
Alaska	-	20	10	2 389	247 884	1 715	4 055	173 143	8 199 384	1 743 351	8 842 865	1 099 870
Arkansas	-	121	5	711	24 191	466	969	15 594	451 356	84 763	475 739	60 380
California	2	240	48	5 678	325 459	3 594	7 354	193 769	5 398 055	3 275 490	7 811 678	861 867
Colorado	2	332	33	4 818	225 237	2 112	4 446	103 682	1 952 888	854 933	2 409 725	398 096
Florida	-	27	1	138	5 411	120	198	4 736	135 739	59 646	156 076	39 309
Illinois	2	203	9	931	22 245	601	998	13 193	133 826	76 889	165 021	45 694
Indiana	2	60	2	265	8 387	148	264	2 635	41 234	12 973	49 399	4 808
Kansas	-	483	34	3 581	123 359	2 552	4 847	82 628	1 870 340	1 150 206	2 817 446	203 100
Kentucky	1	97	9	969	26 744	476	890	13 039	172 444	78 486	192 478	58 452
Louisiana	-	571	115	17 162	962 509	10 826	22 768	592 658	17 893 233	9 887 983	22 209 673	5 571 543
Michigan	-	115	15	1 048	43 844	626	1 254	24 271	605 690	162 444	677 393	90 741
Mississippi	2	128	7	704	28 534	434	900	16 348	302 009	110 019	337 253	74 775
Montana	1	89	7	900	37 570	343	637	12 214	247 288	74 983	253 346	68 925
Nebraska	1	30	1	147	4 561	98	172	2 680	26 504	7 974	29 192	5 286
New Mexico	-	234	41	3 270	153 355	2 578	5 407	120 923	3 779 030	2 222 025	5 185 221	815 834
New York	4	55	3	311	10 349	199	426	6 344	49 136	17 414	57 741	8 809
North Dakota	-	59	7	1 049	53 676	888	1 962	45 812	663 790	192 806	739 046	117 550
Ohio	1	242	13	2 132	73 304	1 271	2 564	39 713	558 877	103 094	524 975	136 996
Oklahoma	1	1 126	84	11 665	525 010	5 781	11 508	247 232	4 357 937	2 439 013	5 758 419	1 038 531
Pennsylvania	2	135	12	1 107	39 780	768	1 595	24 916	237 804	47 000	247 048	37 756
Tennessee	1	15	3	103	3 038	63	123	1 612	16 034	D	19 183	D
Texas	-	3 275	324	43 672	2 207 537	25 682	50 386	1 180 137	26 758 181	15 924 101	34 441 291	8 240 991
Utah	-	72	16	1 123	50 040	682	1 374	26 549	690 662	370 767	888 054	173 375
Virginia	2	22	1	173	6 759	96	188	2 970	79 561	38 378	84 958	32 981
West Virginia	3	228	14	1 773	57 013	1 200	2 272	36 528	355 082	112 719	363 035	104 766
Wyoming	-	210	39	2 654	127 937	2 140	4 414	104 339	2 833 561	1 614 005	4 020 923	426 643
Offshore areas not associated with a state	-	20	8	1 643	86 940	1 208	2 587	64 519	3 931 942	1 365 794	3 292 525	2 005 211
211111, CRUDE PETROLEUM & NATURAL GAS EXTRACTION												
United States	-	7 784	710	100 333	4 968 972	58 328	116 793	2 716 562	77 202 492	21 908 937	78 005 625	21 105 804
Alabama	-	45	8	484	18 990	299	607	11 239	525 389	D	543 798	D
Alaska	-	19	g	D	D	D	D	D	D	D	D	D
Arkansas	-	120	5	f	D	D	D	D	D	D	D	D
California	2	215	39	4 866	285 512	2 938	5 914	162 199	5 277 518	2 645 198	7 083 479	839 237
Colorado	2	317	26	4 531	208 891	1 876	3 969	90 295	1 862 559	480 301	1 958 030	384 830
Illinois	2	200	9	906	21 614	598	992	13 116	133 110	D	162 748	D
Indiana	2	60	2	265	8 387	148	264	2 635	41 234	12 973	49 399	4 808
Kansas	-	470	30	3 396	113 388	2 424	4 578	75 439	1 744 712	277 504	1 826 852	195 364
Kentucky	1	95	8	f	D	D	D	D	D	D	D	D
Louisiana	-	473	94	15 324	857 593	9 190	19 233	499 823	16 954 570	5 103 303	16 594 491	5 463 382
Michigan	-	110	14	910	35 553	530	1 050	18 775	553 455	77 375	542 908	87 922
Mississippi	2	128	7	704	28 534	434	900	16 348	302 009	110 019	337 253	74 775
Montana	1	89	7	900	37 570	343	637	12 214	247 288	74 983	253 346	68 925
Nebraska	1	30	1	147	4 561	98	172	2 680	26 504	7 974	29 192	5 286
New Mexico	-	199	25	2 239	100 872	1 645	3 470	73 214	3 460 801	616 204	3 354 265	722 740
New York	4	55	3	311	10 349	199	426	6 344	49 136	17 414	57 741	8 809
North Dakota	-	55	5	950	49 352	826	1 833	43 307	651 168	155 773	690 200	116 921
Ohio	1	242	13	2 132	73 304	1 271	2 564	39 713	558 877	103 094	524 975	136 996
Oklahoma	1	1 070	71	10 704	480 133	5 031	9 908	210 635	4 037 174	1 113 986	4 142 666	1 008 494
Pennsylvania	2	133	12	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 1-2. Industry Statistics for Selected States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	For pay period including March 12 ²	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)					Annual wages (\$1,000)
211111, CRUDE PETROLEUM & NATURAL GAS EXTRACTION—Con.												
Tennessee	1	15	3	103	3 038	63	123	16 034	D	19 183	D	
Texas	—	3 064	258	39 679	2 004 465	22 409	43 345	1 013 977	23 919 558	7 046 561	23 029 852	7 936 267
Utah	—	64	14	1 035	46 485	612	1 228	23 836	680 122	175 571	683 756	171 937
Virginia	4	21	1	c	D	D	D	D	D	D	D	D
West Virginia	3	223	14	g	D	D	D	D	D	D	D	D
Wyoming	—	173	24	1 863	90 343	1 405	2 945	69 455	2 703 781	475 786	2 810 326	369 241
Offshore areas not associated with a state	—	20	8	1 643	86 940	1 208	2 587	64 519	3 931 942	1 365 794	3 292 525	2 005 211
211112, NATURAL GAS LIQUID EXTRACTION												
United States	—	528	163	10 548	541 588	8 869	18 805	456 079	5 147 430	20 359 427	24 828 378	678 479
Alabama	—	4	4	122	5 779	122	219	5 779	47 714	D	187 910	D
California	—	25	9	39 947	39 947	656	1 440	31 570	120 537	630 292	728 199	22 630
Colorado	—	15	7	287	16 346	236	477	13 387	90 329	374 632	451 695	13 266
Kansas	—	13	4	185	9 971	128	269	7 189	125 628	872 702	990 594	7 736
Louisiana	—	98	21	1 838	104 916	1 636	3 535	92 835	938 663	4 784 680	5 615 182	108 161
Michigan	—	5	1	138	8 291	96	204	5 496	52 235	85 069	134 485	2 819
New Mexico	—	35	16	1 031	52 483	933	1 937	47 709	318 229	1 605 821	1 830 956	93 094
Oklahoma	—	56	13	961	44 877	750	1 600	36 597	320 763	3 325 027	1 615 753	30 037
Texas	—	211	66	3 993	203 072	3 273	7 041	166 160	2 838 623	8 877 540	11 411 439	304 724
Wyoming	—	37	15	791	37 594	735	1 469	34 884	129 780	1 138 219	1 210 597	57 402
212, MINING (EXCEPT OIL & GAS)												
United States	—	7 348	2 238	229 319	9 421 600	188 988	400 094	7 527 534	35 206 868	21 878 784	51 252 625	5 833 027
Alabama	1	158	59	7 492	320 099	6 227	12 929	255 320	1 107 964	397 859	1 392 754	113 069
Alaska	—	54	12	1 521	79 302	1 179	2 657	59 276	716 386	D	508 227	D
Arizona	—	148	43	12 433	494 877	10 345	22 297	397 794	2 118 522	1 208 933	2 999 511	327 944
Arkansas	—	76	25	1 402	43 502	1 180	2 651	34 738	182 125	85 610	232 012	35 723
California	1	336	101	7 397	313 887	5 930	12 095	245 535	1 477 611	541 899	1 899 714	119 796
Colorado	—	169	38	4 110	185 539	3 175	6 678	141 145	608 853	302 985	781 194	130 644
Connecticut	2	61	9	f	D	D	D	D	D	D	D	6 364
Delaware and District of Columbia	3	11	1	107	3 725	90	182	3 063	14 668	6 964	17 377	4 255
Florida	—	148	51	6 296	236 209	5 117	11 465	175 792	857 874	565 349	1 262 410	160 813
Georgia	—	172	71	5 947	220 389	4 681	10 410	159 594	990 170	536 519	1 403 080	123 609
Hawaii *	—	6	2	c	D	D	D	D	D	D	D	D
Idaho	—	95	24	2 765	107 584	2 197	4 284	80 692	267 021	200 463	418 197	49 287
Illinois	—	256	74	8 619	379 630	6 957	14 283	296 479	1 171 937	703 883	1 741 475	134 345
Indiana	—	227	57	5 381	222 776	4 584	10 505	190 001	731 436	381 532	1 009 339	103 629
Iowa	—	174	24	1 682	54 782	1 415	2 844	45 058	216 020	92 884	285 813	23 091
Kansas	1	116	16	1 313	38 641	1 026	2 103	28 049	116 076	58 489	158 667	15 898
Kentucky	—	445	231	19 477	748 266	17 270	36 434	653 951	2 987 499	2 312 715	4 936 545	363 669
Louisiana	—	74	18	1 658	57 681	1 230	2 480	39 990	194 248	136 163	296 669	33 742
Maryland	—	81	27	1 730	63 888	1 397	3 026	51 116	255 030	119 489	348 729	25 790
Massachusetts	2	72	17	1 063	41 808	704	1 474	27 263	109 896	62 281	153 347	18 830
Michigan	—	178	21	3 926	172 255	3 146	7 286	136 451	444 418	339 485	734 657	49 246
Minnesota	—	130	24	6 963	342 612	5 916	13 056	285 843	944 344	884 447	1 725 145	103 646
Mississippi	—	60	15	1 064	26 175	853	1 922	19 927	77 710	45 805	114 419	9 096
Missouri	1	254	51	4 306	141 598	3 452	6 611	111 842	483 028	238 281	661 493	59 816
Montana	—	66	19	3 061	134 708	2 431	5 253	98 032	678 654	268 013	894 306	52 361
Nebraska	1	70	7	f	D	D	D	D	D	D	D	13 669
Nevada	—	172	50	12 658	567 724	11 270	24 001	503 363	1 838 251	1 939 086	3 058 596	718 741
New Hampshire	2	32	6	396	18 327	293	663	13 551	43 640	30 262	69 122	4 780
New Jersey	1	75	26	1 720	78 301	1 234	2 668	54 441	232 837	101 500	298 695	35 642
New Mexico	—	62	26	5 558	239 524	4 438	9 305	176 658	1 111 020	601 945	1 560 991	151 974
New York	2	263	39	3 340	125 960	2 454	5 366	91 334	407 366	175 640	533 693	49 313
North Carolina	—	155	67	3 156	115 947	2 590	5 918	91 262	528 541	350 734	737 424	141 851
North Dakota	2	28	11	1 505	78 268	1 187	2 356	61 611	245 300	88 954	307 987	26 267
Ohio	1	344	90	7 970	327 449	6 226	12 884	242 322	1 054 809	565 134	1 465 286	154 657
Oklahoma	1	119	42	2 072	54 621	1 778	3 569	46 704	174 910	112 586	244 108	43 388
Oregon	2	113	28	1 645	58 111	1 157	2 541	41 181	153 393	93 714	211 507	35 600
Pennsylvania	1	566	151	14 409	579 911	11 952	25 132	470 476	2 032 704	1 351 842	3 074 630	309 916
Rhode Island	2	16	2	120	4 619	82	165	3 258	12 954	4 829	16 516	1 267
South Carolina	—	68	25	1 361	43 883	1 082	2 360	33 945	165 066	102 450	235 951	31 565
South Dakota	1	43	11	1 691	61 093	1 504	2 797	53 769	147 568	D	231 401	D
Tennessee	—	169	64	4 090	125 771	3 328	7 154	92 881	445 862	269 313	658 934	56 241
Texas	1	312	91	8 253	306 719	6 246	12 731	215 698	923 324	538 919	1 379 362	82 881
Utah	—	82	33	5 055	225 911	4 321	8 588	183 357	1 050 718	618 740	1 380 382	289 076
Vermont	5	51	5	f	D	D	D	D	D	D	D	D
Virginia	1	340	162	10 754	399 173	9 148	18 356	330 274	1 320 257	1 055 531	2 197 200	178 588
Washington	—	121	24	2 617	105 512	1 950	4 085	78 403	327 570	168 314	444 031	51 853
West Virginia	—	346	180	19 210	887 399	16 874	36 056	765 644	3 551 887	2 649 228	5 658 250	542 865
Wisconsin	—	139	27	2 199	89 434	1 510	3 457	60 315	306 596	143 424	390 786	59 234
Wyoming	—	74	40	7 744	423 734	6 222	13 870	323 497	2 113 230	970 974	2 778 408	305 796
2121, COAL MINING												
United States	—	1 511	764	87 965	3 983 818	75 398	158 439	3 305 846	15 567 100	9 886 472	23 426 994	2 026 578
Alabama	1	58	30	5 363	254 198	4 479	9 305	205 475	869 899	281 175	1 077 102	73 972
Alaska	—	2	1	c	D	D	D	D	D	D	D	D
Arizona	—	2	2	f	D	D	D	D	D	D	D	D
Colorado	—	16	10	1 502	85 771	1 221	2 637	67 966	301 257	136 877	380 946	57 188
Illinois	—	36	24	4 913	234 444	4 231	8 320	192 806	670 484	486 098	1 091 802	64 780
Indiana	—	38	26	2 979	138 531	2 667	6 240	124 023	449 208	261 664	649 446	61 426
Kentucky	—	353	195	17 513	685 510	15 638	32 889	605 565	2 754 952	2 209 893	4 629 562	335 283
Louisiana	—	2	2	c	D	D	D	D	D	D	D	D
Maryland	—	13	4	454	19 044	406	922	16 963	81 790	25 217	100 569	6 438

See footnotes at end of table.

Table 1-2. Industry Statistics for Selected States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	For pay period including March 12 ²	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)					Annual wages (\$1,000)
2121, COAL MINING—Con.												
Montana	-	8	5	860	40 864	670	1 386	30 356	361 505	112 437	460 909	13 033
New Mexico	-	5	5	1 633	92 435	1 178	2 606	61 662	549 658	D	672 378	D
North Dakota	-	9	4	992	55 888	795	1 498	43 740	193 908	61 345	235 913	19 340
Ohio	-	72	32	3 600	170 524	2 828	5 942	126 369	576 190	333 034	825 206	84 027
Oklahoma	2	11	8	370	10 797	353	826	10 101	24 589	30 774	49 224	6 139
Pennsylvania	1	291	85	10 059	427 609	8 607	18 124	359 667	1 550 737	1 143 495	2 443 027	251 205
Tennessee	-	25	12	f	D	D	D	D	D	D	D	D
Texas	-	10	9	2 600	139 710	1 713	3 442	85 785	378 948	253 315	621 298	10 965
Utah	-	19	16	2 611	125 319	2 244	4 209	104 156	596 675	208 707	610 301	195 081
Virginia	1	207	107	7 696	297 056	6 723	12 980	252 566	955 338	891 397	1 742 693	104 042
Washington	-	2	2	f	D	D	D	D	D	D	D	D
West Virginia	-	303	165	18 352	864 840	16 253	34 860	748 772	3 480 912	2 598 958	5 555 305	524 565
Wyoming	-	26	18	4 073	233 409	3 306	7 553	178 750	1 401 815	501 997	1 741 629	162 183
21211, COAL MINING												
United States	-	1 511	764	87 965	3 983 818	75 398	158 439	3 305 846	15 567 100	9 886 472	23 426 994	2 026 578
Alabama	1	58	30	5 363	254 198	4 479	9 305	205 475	869 899	281 175	1 077 102	73 972
Alaska	-	2	1	c	D	D	D	D	D	D	D	D
Arizona	-	2	2	f	D	D	D	D	D	D	D	D
Colorado	-	16	10	1 502	85 771	1 221	2 637	67 966	301 257	136 877	380 946	57 188
Illinois	-	36	24	4 913	234 444	4 231	8 320	192 806	670 484	486 098	1 091 802	64 780
Indiana	-	38	26	2 979	138 531	2 667	6 240	124 023	449 208	261 664	649 446	61 426
Kentucky	-	353	195	17 513	685 510	15 638	32 889	605 565	2 754 952	2 209 893	4 629 562	335 283
Louisiana	-	2	2	c	D	D	D	D	D	D	D	D
Maryland	-	13	4	454	19 044	406	922	16 963	81 790	25 217	100 569	6 438
Montana	-	8	5	860	40 864	670	1 386	30 356	361 505	112 437	460 909	13 033
New Mexico	-	5	5	1 633	92 435	1 178	2 606	61 662	549 658	D	672 378	D
North Dakota	-	9	4	992	55 888	795	1 498	43 740	193 908	61 345	235 913	19 340
Ohio	-	72	32	3 600	170 524	2 828	5 942	126 369	576 190	333 034	825 206	84 027
Oklahoma	2	11	8	370	10 797	353	826	10 101	24 589	30 774	49 224	6 139
Pennsylvania	1	291	85	10 059	427 609	8 607	18 124	359 667	1 550 737	1 143 495	2 443 027	251 205
Tennessee	-	25	12	f	D	D	D	D	D	D	D	D
Texas	-	10	9	2 600	139 710	1 713	3 442	85 785	378 948	253 315	621 298	10 965
Utah	-	19	16	2 611	125 319	2 244	4 209	104 156	596 675	208 707	610 301	195 081
Virginia	1	207	107	7 696	297 056	6 723	12 980	252 566	955 338	891 397	1 742 693	104 042
Washington	-	2	2	f	D	D	D	D	D	D	D	D
West Virginia	-	303	165	18 352	864 840	16 253	34 860	748 772	3 480 912	2 598 958	5 555 305	524 565
Wyoming	-	26	18	4 073	233 409	3 306	7 553	178 750	1 401 815	501 997	1 741 629	162 183
212111, BITUMINOUS COAL & LIGNITE SURFACE MINING												
United States	-	829	374	36 632	1 652 355	30 398	64 952	1 323 722	7 289 615	5 927 643	12 451 067	766 191
Alabama	3	46	20	1 573	61 157	1 329	2 690	51 825	235 636	132 388	348 675	19 349
Alaska	-	1	1	c	D	D	D	D	D	D	D	D
Arizona	-	2	2	f	D	D	D	D	D	D	D	D
Colorado	-	7	5	658	34 857	551	1 218	27 897	99 992	57 228	145 478	11 742
Illinois	1	18	10	963	48 510	772	1 536	36 307	125 930	255 219	368 292	12 857
Indiana	-	31	21	1 873	97 477	1 678	3 901	86 112	319 051	192 302	460 704	50 649
Kentucky	-	170	88	6 365	235 872	5 551	11 953	203 882	1 083 129	1 364 527	2 321 325	126 331
Louisiana	-	2	2	c	D	D	D	D	D	D	D	D
Maryland	1	12	3	c	D	D	D	D	D	D	D	D
Montana	-	8	5	860	40 864	670	1 386	30 356	361 505	112 437	460 909	13 033
New Mexico	-	5	5	1 633	92 435	1 178	2 606	61 662	549 658	D	672 378	D
North Dakota	-	9	4	992	55 888	795	1 498	43 740	193 908	61 345	235 913	19 340
Ohio	1	65	25	1 711	67 234	1 356	2 857	52 160	269 597	157 350	390 655	36 292
Oklahoma	-	8	6	e	D	D	D	D	D	D	D	D
Pennsylvania	1	178	41	3 392	107 302	2 843	5 696	89 764	415 211	595 417	949 068	61 560
Tennessee	-	15	7	429	13 165	351	771	9 405	49 340	90 112	10 122	D
Texas	-	10	9	2 600	139 710	1 713	3 442	85 785	378 948	253 315	621 298	10 965
Virginia	-	61	33	1 830	71 614	1 619	3 166	63 955	278 120	482 622	724 310	36 432
Washington	-	2	2	f	D	D	D	D	D	D	D	D
West Virginia	-	151	66	5 771	264 629	5 005	10 881	225 904	1 223 871	1 411 616	2 488 990	146 497
Wyoming	-	25	17	h	D	D	D	D	D	D	D	D
212112, BITUMINOUS COAL UNDERGROUND MINING												
United States	-	614	375	50 192	2 295 137	44 075	91 735	1 954 779	8 177 626	3 840 220	10 793 419	1 224 427
Alabama	-	12	10	3 790	193 041	3 150	6 615	153 650	634 263	148 787	728 427	54 623
Colorado	-	9	5	844	50 914	670	1 419	40 069	201 265	79 649	235 468	45 446
Illinois	-	18	14	3 950	185 934	3 459	6 784	156 499	544 554	230 879	723 510	51 923
Indiana	-	7	5	1 106	41 054	989	2 339	37 911	130 157	69 362	188 742	10 777
Kentucky	-	183	107	11 148	449 638	10 087	20 936	401 683	1 671 823	845 366	2 308 237	208 952
Maryland	-	1	1	e	D	D	D	D	D	D	D	D
Ohio	-	7	7	1 889	103 290	1 472	3 085	74 209	306 602	175 684	434 551	47 735
Oklahoma	6	3	2	c	D	D	D	D	D	D	D	D
Pennsylvania	-	45	29	5 526	283 981	4 839	10 676	242 558	1 035 667	429 469	1 311 451	153 685
Tennessee	-	10	5	e	D	D	D	D	D	D	D	D
Utah	-	19	16	2 611	125 319	2 244	4 209	104 156	596 675	208 707	610 301	195 081
Virginia	1	146	74	5 866	225 442	5 104	9 814	188 611	677 218	408 775	1 018 383	67 610
West Virginia	-	152	99	12 581	600 211	11 248	23 979	522 868	2 257 041	1 187 342	3 066 315	378 068
Wyoming	-	1	1	c	D	D	D	D	D	D	D	D
212113, ANTHRACITE MINING												
United States	1	68	15	1 141	36 326	925	1 752	27 345	99 859	118 609	182 508	35 960
Pennsylvania	1	68	15	1 141	36 326	925	1 752	27 345	99 859	118 609	182 508	35 960

See footnotes at end of table.

Table 1-2. Industry Statistics for Selected States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	For pay period including March 12 ²	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)					Annual wages (\$1,000)
2122, METAL ORE MINING												
United States	-	493	158	45 467	1 993 126	39 103	83 717	1 654 613	7 386 746	5 819 293	11 204 250	2 001 789
Alaska	-	36	11	1 325	71 504	1 028	2 381	53 506	690 036	D	466 777	D
Arizona	-	42	16	10 137	405 159	8 492	18 456	324 259	1 850 344	1 086 128	2 630 974	305 498
California	-	55	17	1 837	72 755	1 508	2 947	56 966	259 168	168 386	386 361	41 193
Colorado	-	46	9	1 390	61 264	1 128	2 349	46 081	211 655	116 998	268 778	59 875
Florida	-	3	2	e	D	D	D	D	D	D	D	D
Idaho	-	34	11	1 562	57 635	1 342	2 683	47 878	143 851	134 157	240 540	37 468
Michigan	-	6	2	g	D	D	D	D	D	D	D	D
Minnesota	-	17	9	5 819	295 279	5 026	11 189	250 320	781 919	813 042	1 517 914	77 047
Missouri	-	11	7	952	35 840	839	1 569	31 265	124 575	67 759	185 404	6 930
Montana	-	20	9	1 744	77 224	1 443	3 227	56 337	257 162	127 640	352 642	32 160
Nevada	-	115	33	11 635	535 040	10 581	22 655	482 187	1 734 694	1 881 546	2 907 200	709 040
New Mexico	-	16	7	g	D	D	D	D	D	D	D	D
South Carolina	-	3	1	c	D	D	D	D	D	D	D	D
South Dakota	1	8	4	1 295	50 853	1 170	2 169	45 316	115 656	D	185 816	D
Tennessee	-	8	6	f	D	D	D	D	D	D	D	D
Texas	1	19	3	284	6 546	236	322	4 802	27 234	25 933	43 762	9 405
Utah	-	23	5	g	D	D	D	D	D	D	D	D
Washington	-	12	1	e	D	D	D	D	D	D	D	D
Wyoming	-	8	3	172	9 313	125	249	5 442	47 493	D	32 247	D
21221, IRON ORE MINING												
United States	-	32	12	7 920	393 921	6 787	15 326	330 553	991 697	1 037 569	1 937 749	91 517
Michigan	-	6	2	g	D	D	D	D	D	D	D	D
Minnesota	-	16	9	i	D	D	D	D	D	D	D	D
Missouri	-	1	1	c	D	D	D	D	D	D	D	D
212210, IRON ORE MINING												
United States	-	32	12	7 920	393 921	6 787	15 326	330 553	991 697	1 037 569	1 937 749	91 517
Michigan	-	6	2	g	D	D	D	D	D	D	D	D
Minnesota	-	16	9	i	D	D	D	D	D	D	D	D
Missouri	-	1	1	c	D	D	D	D	D	D	D	D
21222, GOLD ORE & SILVER ORE MINING												
United States	-	316	84	18 292	810 479	16 199	33 712	704 170	2 864 837	2 344 858	4 073 265	1 136 430
Alaska	1	34	10	f	D	D	D	D	D	D	D	D
Arizona	2	17	1	226	7 555	162	344	6 144	16 903	5 237	15 732	6 408
California	-	47	16	g	D	D	D	D	D	D	D	D
Colorado	1	30	4	587	26 368	506	1 009	20 472	75 580	D	95 302	D
Idaho	-	26	7	1 054	38 151	963	1 947	33 807	80 134	D	132 301	D
Montana	-	12	6	f	D	D	D	D	D	D	D	D
Nevada	-	103	32	j	D	D	D	D	D	D	D	D
South Carolina	-	3	1	c	D	D	D	D	D	D	D	D
South Dakota	1	8	4	1 295	50 853	1 170	2 169	45 316	115 656	D	185 816	D
Utah	-	15	2	e	D	D	D	D	D	D	D	D
Washington	-	9	1	e	D	D	D	D	D	D	D	D
212221, GOLD ORE MINING												
United States	-	300	79	17 512	777 636	15 495	32 088	674 922	2 780 064	2 301 751	3 951 750	1 130 065
Alaska	1	34	10	f	D	D	D	D	D	D	D	D
Arizona	2	17	1	226	7 555	162	344	6 144	16 903	5 237	15 732	6 408
California	-	47	16	g	D	D	D	D	D	D	D	D
Colorado	1	30	4	587	26 368	506	1 009	20 472	75 580	D	95 302	D
Idaho	-	18	4	f	D	D	D	D	D	D	D	D
Montana	-	12	6	f	D	D	D	D	D	D	D	D
Nevada	-	100	30	10 816	499 085	9 788	20 990	446 759	1 628 732	D	2 719 189	D
South Carolina	-	3	1	c	D	D	D	D	D	D	D	D
South Dakota	1	8	4	1 295	50 853	1 170	2 169	45 316	115 656	D	185 816	D
Utah	-	12	2	e	D	D	D	D	D	D	D	D
Washington	-	7	1	e	D	D	D	D	D	D	D	D
212222, SILVER ORE MINING												
United States	-	16	5	780	32 843	704	1 624	29 248	84 773	43 107	121 515	6 365
Idaho	-	8	3	e	D	D	D	D	D	D	D	D
Nevada	-	3	2	e	D	D	D	D	D	D	D	D
21223, COPPER, NICKEL, LEAD, & ZINC MINING												
United States	-	80	40	15 872	639 501	13 447	28 801	513 977	3 050 025	2 137 603	4 549 185	638 443
Alaska	-	1	1	e	D	D	D	D	D	D	D	D
Arizona	-	25	15	9 911	397 604	8 330	18 112	318 115	1 833 441	1 080 891	2 615 242	299 090
Idaho	-	4	1	c	D	D	D	D	D	D	D	D
Missouri	-	8	6	f	D	D	D	D	D	D	D	D
Montana	-	3	1	e	D	D	D	D	D	D	D	D
Nevada	-	9	1	e	D	D	D	D	D	D	D	D
New Mexico	-	6	5	g	D	D	D	D	D	D	D	D
Tennessee	-	8	6	f	D	D	D	D	D	D	D	D
Utah	-	5	2	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 1-2. Industry Statistics for Selected States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	For pay period including March 12 ²	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)					Annual wages (\$1,000)
212231, LEAD ORE & ZINC ORE MINING												
United States	-	31	15	2 127	88 613	1 766	3 556	67 327	415 661	225 115	531 367	109 409
Alaska	-	1	1	e	D	D	D	D	D	D	D	D
Idaho	-	4	1	c	D	D	D	D	D	D	D	D
Missouri	-	8	6	f	D	D	D	D	D	D	D	D
Tennessee	-	8	6	f	D	D	D	D	D	D	D	D
212234, COPPER ORE & NICKEL ORE MINING												
United States	-	49	25	13 745	550 888	11 681	25 245	446 650	2 634 364	1 912 488	4 017 818	529 034
Arizona	-	25	15	9 911	397 604	8 330	18 112	318 115	1 833 441	1 080 891	2 615 242	299 090
Montana	-	3	1	e	D	D	D	D	D	D	D	D
Nevada	-	7	1	e	D	D	D	D	D	D	D	D
New Mexico	-	6	5	g	D	D	D	D	D	D	D	D
Utah	-	4	2	g	D	D	D	D	D	D	D	D
21229, OTHER METAL ORE MINING												
United States	-	65	22	3 383	149 225	2 670	5 878	105 913	480 187	299 263	644 051	135 399
California	-	2	1	e	D	D	D	D	D	D	D	D
Colorado	-	15	5	798	34 570	617	1 330	25 283	136 114		173 476	D
Florida	-	3	2	e	D	D	D	D	D	D	D	D
Idaho	-	4	3	e	D	D	D	D	D	D	D	D
Montana	-	3	2	f	D	D	D	D	D	D	D	D
New Mexico	-	8	2	e	D	D	D	D	D	D	D	D
Texas	-	10	3	218	5 052	186	262	3 768	23 125		38 408	D
Wyoming	-	8	3	172	9 313	125	249	5 442	47 493	D	32 247	D
212291, URANIUM-RADIUM-VANADIUM ORE MINING												
United States	-	29	12	695	26 597	513	928	16 374	90 152	73 742	103 198	60 696
Colorado	1	6	3	c	D	D	D	D	D	D	D	D
Texas	-	6	3	c	D	D	D	D	D	D	D	D
Wyoming	-	8	3	172	9 313	125	249	5 442	47 493	D	32 247	D
212299, ALL OTHER METAL ORE MINING												
United States	-	36	10	2 688	122 628	2 157	4 950	89 539	390 035	225 521	540 853	74 703
California	-	2	1	e	D	D	D	D	D	D	D	D
Colorado	-	9	2	f	D	D	D	D	D	D	D	D
Florida	-	3	2	e	D	D	D	D	D	D	D	D
Idaho	-	2	1	c	D	D	D	D	D	D	D	D
Montana	-	3	2	f	D	D	D	D	D	D	D	D
New Mexico	-	4	1	e	D	D	D	D	D	D	D	D
2123, NONMETALLIC MINERAL MINING & QUARRYING												
United States	1	5 344	1 316	95 887	3 444 656	74 487	157 938	2 567 075	12 253 022	6 173 019	16 621 381	1 804 660
Alabama	1	99	29	g	D	D	D	D	D	D	D	D
Arizona	2	104	25	g	D	D	D	D	D	D	D	D
Arkansas	-	76	25	1 402	43 502	1 180	2 651	34 738	182 125	85 610	232 012	35 723
California	1	281	84	5 560	241 132	4 422	9 148	188 569	1 218 443	373 513	1 513 353	78 603
Colorado	2	107	19	1 218	38 504	826	1 692	27 098	95 941	49 110	131 470	13 581
Connecticut	2	61	9	f	D	D	D	D	D	D	D	6 364
Delaware and District of Columbia	3	11	1	107	3 725	90	182	3 063	14 668	6 964	17 377	4 255
Florida	1	145	49	i	D	D	D	D	D	D	D	D
Georgia	-	172	71	5 947	220 389	4 681	10 410	159 594	990 170	536 519	1 403 080	123 609
Hawaii *	-	6	2	c	D	D	D	D	D	D	D	D
Idaho	-	61	13	1 203	49 949	855	1 601	32 814	123 170	66 306	177 657	11 819
Illinois	1	220	50	3 706	145 186	2 726	5 963	103 673	501 453	217 785	649 673	69 565
Indiana	-	189	31	2 402	84 245	1 917	4 265	65 978	282 228	119 868	359 893	42 203
Iowa	-	174	24	1 682	54 782	1 415	2 844	45 058	216 020	92 884	285 813	23 091
Kansas	1	113	14	1 216	36 749	941	1 983	26 427	107 604	55 303	147 710	15 197
Kentucky	-	92	36	1 964	62 756	1 632	3 545	48 386	232 547	102 822	306 983	28 386
Louisiana	-	72	16	g	D	D	D	D	D	D	D	D
Maryland	-	68	23	1 276	44 844	991	2 104	34 153	173 240	94 272	248 160	19 352
Massachusetts	2	72	17	1 063	41 808	704	1 474	27 263	109 896	62 281	153 347	18 830
Michigan	1	172	19	g	D	D	D	D	D	D	D	D
Minnesota	1	113	15	1 144	47 333	890	1 867	35 523	162 425	71 405	207 231	26 599
Mississippi	-	60	15	1 064	26 175	853	1 922	19 927	77 710	45 805	114 419	9 096
Missouri	2	243	44	3 354	105 758	2 613	5 042	80 577	358 453	170 522	476 089	52 886
Montana	-	38	5	457	16 620	318	640	11 339	59 987	27 936	80 755	7 168
Nebraska	1	69	7	f	D	D	D	D	D	D	D	D
Nevada	1	56	17	g	D	D	D	D	D	D	D	D
New Hampshire	2	32	6	396	18 327	293	663	13 551	43 640	30 262	69 122	4 780
New Jersey	1	75	26	1 720	78 301	1 234	2 668	54 441	232 837	101 500	298 695	35 642
New Mexico	-	41	14	g	D	D	D	D	D	D	D	38 083
New York	2	260	38	h	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 1-2. Industry Statistics for Selected States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	For pay period including March 12 ²	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)					Annual wages (\$1,000)
2123, NONMETALLIC MINERAL MINING & QUARRYING—Con.												
North Carolina	—	155	67	3 156	115 947	2 590	5 918	91 262	528 541	350 734	737 424	141 851
North Dakota	8	19	7	513	22 380	392	858	17 871	51 392	27 609	72 074	6 927
Ohio	2	272	58	4 370	156 925	3 398	6 942	115 953	478 610	232 100	640 880	70 630
Oklahoma	—	108	34	1 702	43 824	1 425	2 743	36 603	150 321	81 812	194 884	37 249
Oregon	2	112	28	g	D	D	D	D	D	D	D	35 600
Pennsylvania	2	275	66	4 350	152 302	3 345	7 008	110 809	481 967	208 347	631 603	58 711
Rhode Island	2	16	2	120	4 619	82	165	3 258	12 954	4 829	16 516	1 267
South Carolina	—	65	24	g	D	D	D	D	D	D	D	D
South Dakota	2	35	7	396	10 240	334	628	8 453	31 912	D	45 585	D
Tennessee	—	136	46	2 639	79 851	2 081	4 478	56 834	316 834	153 509	427 072	43 271
Texas	2	283	79	5 369	160 463	4 297	8 967	125 111	517 142	259 671	714 302	62 511
Utah	—	40	12	f	D	D	D	D	D	D	D	D
Vermont	5	51	5	f	D	D	D	D	D	D	D	D
Virginia	1	133	55	3 058	102 117	2 425	5 376	77 708	364 919	164 134	454 507	74 546
Washington	1	107	21	1 785	63 284	1 290	2 607	45 162	198 867	109 259	274 749	33 377
West Virginia	1	42	15	f	D	D	D	D	D	D	D	D
Wisconsin	—	136	26	g	D	D	D	D	D	D	D	D
Wyoming	—	40	19	3 499	181 012	2 791	6 068	139 305	663 922	D	1 004 532	D
21231, STONE MINING & QUARRYING												
United States	1	2 367	708	44 052	1 550 893	35 260	76 232	1 188 858	5 549 127	2 680 912	7 385 451	844 588
Alabama	—	46	20	1 432	48 547	1 199	2 635	36 539	190 184	89 614	246 750	33 048
Arizona	1	40	8	e	D	D	D	D	D	D	D	4 585
Arkansas	—	27	13	785	26 220	684	1 631	21 471	131 390	56 681	160 373	27 698
California	1	81	22	1 548	66 091	1 222	2 453	51 135	228 516	92 508	299 437	21 587
Colorado	2	38	7	e	D	D	D	D	D	D	D	5 337
Connecticut	2	25	6	344	17 024	268	576	12 429	79 123	25 334	100 611	3 846
Florida	2	54	25	1 635	52 583	1 413	3 188	43 664	169 026	110 904	258 266	21 664
Georgia	—	115	46	2 299	77 349	1 991	4 514	65 202	339 909	171 530	465 554	45 885
Idaho	1	22	5	332	13 551	206	334	6 500	22 786	14 296	34 880	2 202
Illinois	—	111	28	1 976	77 929	1 565	3 370	61 497	281 742	126 052	361 388	46 406
Indiana	—	87	24	1 492	53 917	1 249	2 871	43 024	192 082	78 697	241 702	29 077
Iowa	—	110	20	g	D	D	D	D	D	D	D	20 221
Kansas	—	73	7	665	17 636	550	1 123	13 995	63 180	32 502	84 656	11 026
Kentucky	—	73	31	1 596	49 954	1 355	2 912	39 297	192 460	84 540	253 671	23 329
Maryland	—	31	13	727	26 961	633	1 302	21 807	122 153	59 480	167 186	14 447
Massachusetts	2	22	9	527	22 236	370	817	15 547	67 268	37 459	92 859	11 868
Michigan	—	26	8	f	D	D	D	D	D	D	D	12 662
Minnesota	1	31	7	403	17 373	317	662	13 959	61 183	30 474	78 414	13 243
Missouri	2	176	35	2 612	83 950	2 035	3 941	64 491	269 519	132 722	360 341	41 900
Nebraska	—	13	5	240	9 350	202	453	7 916	32 596	12 722	41 650	D
Nevada	2	11	4	c	D	D	D	D	D	D	D	D
New Jersey	2	22	10	892	46 542	696	1 542	33 561	127 408	55 706	163 308	19 806
New York	2	96	20	1 425	55 527	1 114	2 481	42 490	165 327	84 473	227 128	22 672
North Carolina	—	95	49	1 830	71 147	1 526	3 674	57 263	348 514	164 351	449 131	63 734
Ohio	2	104	26	2 038	71 427	1 593	3 382	53 005	229 204	137 117	327 478	38 843
Oklahoma	—	54	23	1 087	28 785	927	1 850	24 169	91 342	59 925	121 943	29 324
Oregon	—	53	11	f	D	D	D	D	D	D	D	D
Pennsylvania	1	176	54	3 347	120 219	2 581	5 659	85 934	398 255	169 730	517 380	50 605
South Carolina	—	30	12	552	19 246	454	1 164	15 717	103 763	51 394	133 798	21 359
South Dakota	2	9	5	232	6 490	205	428	5 527	19 367	D	27 944	D
Tennessee	—	98	30	1 614	50 316	1 303	2 948	37 004	226 681	104 294	304 897	26 078
Texas	2	89	25	5 988	54 988	1 582	3 420	45 504	192 143	96 821	261 988	26 976
Vermont	5	25	5	559	19 084	473	934	15 129	64 309	23 035	81 062	6 282
Virginia	1	87	44	2 342	77 341	1 863	4 204	58 425	276 717	128 713	360 430	45 000
Washington	—	42	10	1 002	34 579	736	1 447	25 513	126 691	58 192	158 104	26 779
West Virginia	1	32	13	664	16 523	483	917	12 381	50 899	35 580	70 903	15 576
Wisconsin	—	68	17	1 434	62 173	1 013	2 364	41 872	198 384	100 957	263 732	35 609
Wyoming	—	10	3	139	4 476	114	208	3 393	7 376	D	10 846	D
212311, DIMENSION STONE MINING & QUARRYING												
United States	1	178	21	1 658	38 213	1 410	2 468	30 737	98 882	36 280	125 606	9 556
Georgia	5	32	2	e	D	D	D	D	D	D	D	D
Pennsylvania	1	21	2	129	3 676	103	204	2 588	12 899	3 083	15 248	734
Texas	1	18	2	249	5 439	226	454	4 740	11 040	4 953	14 881	1 112
Vermont	—	8	2	165	3 671	152	222	3 222	17 565	3 754	20 496	823
Wisconsin	—	8	2	120	3 810	93	195	2 785	8 699	5 861	13 211	1 349
212312, CRUSHED & BROKEN LIMESTONE MINING & QUARRYING												
United States	1	1 435	432	27 563	957 853	22 295	48 494	736 642	3 323 272	1 648 361	4 470 738	500 895
Alabama	—	37	18	1 303	45 169	1 091	2 465	33 942	181 101	84 182	234 180	31 103
Arkansas	—	13	4	c	D	D	D	D	D	D	D	10 492
California	—	18	4	386	17 063	290	560	12 184	48 928	24 156	65 978	7 106
Colorado	2	15	2	132	4 557	104	209	3 478	12 588	4 509	15 704	1 393
Florida	2	47	24	1 450	46 330	1 250	2 842	38 485	147 673	92 882	223 206	17 349
Georgia	—	23	9	534	16 702	487	1 116	14 800	68 829	28 057	90 430	6 456
Illinois	—	105	28	1 944	76 895	1 544	3 322	60 803	277 734	124 937	356 536	46 135
Indiana	—	76	22	1 375	49 932	1 149	2 684	40 040	177 968	74 073	225 015	27 026
Iowa	—	108	19	g	D	D	D	D	D	D	D	D
Kansas	—	65	7	616	16 536	508	1 054	13 096	60 461	31 103	80 944	10 620

See footnotes at end of table.

Table 1-2. Industry Statistics for Selected States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	For pay period including March 12 ²	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)					Annual wages (\$1,000)
212312, CRUSHED & BROKEN LIMESTONE MINING & QUARRYING—Con.												
Kentucky	-	70	31	1 586	49 813	1 348	2 905	39 190	192 064	84 323	253 112	23 275
Maryland	-	11	6	365	13 425	327	658	11 477	63 776	28 812	87 666	4 922
Michigan	-	17	8	698	30 602	565	1 317	23 792	91 632	51 421	131 146	11 907
Minnesota	1	20	3	243	11 236	176	391	8 537	37 235	14 649	47 984	3 900
Missouri	2	167	32	2 337	74 279	1 826	3 542	57 152	230 305	D	308 349	D
Nebraska	-	11	5	c	D	D	D	D	D	D	D	5 059
New York	3	58	13	943	39 316	763	1 753	29 895	116 686	65 825	163 575	18 936
North Carolina	1	16	5	215	8 802	174	426	7 341	37 023	16 514	50 012	3 525
Ohio	2	90	25	1 926	68 077	1 509	3 221	50 370	222 205	129 377	314 090	37 492
Oklahoma	-	34	17	810	21 431	715	1 418	18 220	64 908	36 409	85 762	15 555
Pennsylvania	1	112	40	2 501	93 003	1 957	4 408	66 602	300 231	127 589	391 641	36 178
South Carolina	-	10	4	151	5 379	134	360	4 740	26 843	D	35 870	D
South Dakota	4	4	3	c	D	D	D	D	D	D	D	D
Tennessee	-	85	28	1 473	46 709	1 195	2 739	34 267	218 455	98 858	292 529	24 784
Texas	1	50	18	1 131	38 149	969	2 245	31 656	140 461	71 921	192 277	20 105
Vermont	9	3	1	c	D	D	D	D	D	D	D	D
Virginia	3	38	18	1 120	32 310	868	1 808	23 471	95 193	41 679	124 093	12 779
Washington	-	13	2	178	6 123	134	239	4 386	20 208	D	28 036	D
West Virginia	1	24	13	617	15 689	448	868	11 760	48 986	34 554	68 162	15 378
Wisconsin	-	43	12	917	40 504	624	1 464	26 029	113 074	73 588	157 357	29 305
212313, CRUSHED & BROKEN GRANITE MINING & QUARRYING												
United States	-	290	134	6 812	271 019	5 560	13 035	212 963	1 139 899	572 687	1 512 891	199 695
Arizona	2	10	2	113	4 034	69	120	2 297	10 936	3 337	12 151	2 122
Arkansas	-	2	2	e	D	D	D	D	D	D	D	D
California	1	20	4	499	23 825	399	840	18 513	94 430	41 682	128 628	7 484
Colorado	-	7	4	177	6 244	105	217	4 228	15 140	8 158	21 486	1 812
Georgia	-	55	33	1 339	49 586	1 151	2 795	41 595	237 347	130 580	335 681	32 246
Maryland	-	3	3	107	4 421	91	212	2 532	20 791	D	26 722	D
Missouri	-	1	1	c	D	D	D	D	D	D	D	D
New Jersey	1	7	3	427	25 274	358	741	19 469	43 472	23 829	56 945	10 356
North Carolina	-	71	40	1 483	58 819	1 251	3 072	47 262	297 305	142 541	380 960	58 886
Oklahoma	-	6	2	108	3 355	94	207	3 074	14 242	D	17 781	D
Pennsylvania	2	7	2	141	4 321	94	161	2 542	10 513	8 522	17 956	1 079
South Carolina	-	17	8	381	13 397	303	779	10 628	75 780	34 941	96 398	14 323
Virginia	-	35	19	824	31 103	673	1 662	24 218	124 665	58 229	163 128	19 766
Wisconsin	1	7	1	170	7 054	126	287	5 223	10 212	7 747	15 133	2 826
212319, OTHER CRUSHED & BROKEN STONE MINING & QUARRYING												
United States	1	464	121	8 019	283 808	5 995	12 235	208 516	987 074	423 584	1 276 216	134 442
Arizona	1	18	4	253	5 575	187	361	3 906	13 407	9 135	20 574	1 968
Arkansas	-	9	6	217	7 468	199	478	6 448	29 799	D	34 876	D
California	-	36	14	623	24 337	500	990	19 751	82 248	25 595	101 032	6 811
Connecticut	2	14	5	250	13 985	193	430	10 065	67 899	17 447	82 296	3 050
Florida	1	7	1	185	6 253	163	346	5 179	21 353	18 022	35 060	4 315
Georgia	-	5	2	c	D	D	D	D	D	D	D	D
Idaho	-	13	5	288	12 395	173	274	5 623	19 653	13 314	30 945	2 022
Maryland	-	12	4	217	8 355	182	366	7 172	35 656	D	50 432	D
Massachusetts	2	17	7	433	17 637	306	670	12 554	58 530	28 577	76 058	11 049
Missouri	5	7	2	c	D	D	D	D	D	D	D	D
New Jersey	2	10	6	419	19 704	301	724	12 951	76 839	29 723	99 000	7 562
New York	1	21	5	335	11 951	236	486	9 328	39 004	14 389	50 738	2 655
Oklahoma	-	10	3	140	3 654	95	207	2 618	11 373	D	17 297	D
Oregon	1	46	9	620	20 241	398	778	13 218	50 467	D	68 668	D
Pennsylvania	1	36	10	576	19 219	427	886	14 202	74 612	30 537	92 535	12 614
Tennessee	8	10	2	c	D	D	D	D	D	D	D	D
Texas	5	17	5	454	10 652	367	678	8 414	38 232	17 954	50 908	5 278
Vermont	1	14	2	c	D	D	D	D	D	D	D	D
Virginia	1	14	7	398	13 928	322	734	10 736	56 859	28 805	73 209	12 455
Washington	-	25	7	761	26 115	548	1 084	19 002	95 331	36 397	114 621	17 107
Wisconsin	-	10	2	227	10 805	170	418	7 835	66 399	13 761	78 031	2 129
21232, SAND, GRAVEL, CLAY, CERAMIC & REFRACTORY MINERALS MNG & QUARRYING												
United States	1	2 674	501	37 052	1 261 390	27 646	56 900	919 977	4 080 061	2 011 084	5 540 513	550 632
Alabama	3	51	9	685	17 091	541	976	13 111	47 353	D	68 284	D
Arizona	2	48	13	944	33 239	698	1 438	24 341	75 116	37 740	103 548	9 308
Arkansas	-	43	12	562	16 102	448	935	12 324	47 610	27 630	67 466	7 774
California	2	171	51	2 931	126 053	2 311	4 965	100 635	463 745	161 718	584 584	40 879
Colorado	1	60	9	656	19 804	421	846	13 467	49 746	25 795	68 454	7 087
Connecticut	2	36	3	e	D	D	D	D	D	D	D	2 518
Delaware and District of Columbia	3	9	1	c	D	D	D	D	D	D	D	4 255
Florida	3	65	13	g	D	D	D	D	D	D	D	D
Georgia	3	49	24	3 569	140 420	2 636	5 784	92 796	641 252	360 586	924 605	77 233
Idaho	4	27	2	195	5 294	147	263	4 129	12 975	6 308	17 081	2 202
Illinois	2	103	20	1 652	64 882	1 098	2 482	40 383	214 248	88 623	280 398	22 473
Indiana	-	101	7	f	D	D	D	D	D	D	D	13 126
Iowa	1	63	4	362	10 941	316	591	9 711	37 284	D	46 174	D
Kansas	1	36	5	e	D	D	D	D	D	D	D	3 323
Kentucky	-	19	5	368	12 802	277	633	9 089	40 087	18 282	53 312	5 057
Louisiana	2	60	11	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 1-2. Industry Statistics for Selected States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	For pay period including March 12 ²	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)					Annual wages (\$1,000)
21232, SAND, GRAVEL, CLAY, CERAMIC & REFRACTORY MINERALS MNG & QUARRYING—Con.												
Maryland	—	36	10	f	D	D	D	D	D	D	4 905	
Massachusetts	3	50	8	536	19 572	334	657	11 716	42 628	24 822	6 962	
Michigan	2	136	9	1 091	41 123	796	1 727	31 547	132 586	68 667	21 640	
Minnesota	1	78	8	729	29 549	565	1 189	21 238	100 759	40 444	13 298	
Mississippi	—	57	13	g	D	D	D	D	D	D	D	
Missouri	1	64	8	695	20 589	540	1 045	15 228	86 412	36 105	10 287	
Montana	3	19	1	107	3 127	78	152	2 487	7 217	3 053	1 207	
Nebraska	2	56	2	e	D	D	D	D	D	D	D	
Nevada	1	31	6	422	12 077	294	514	8 551	36 159	15 812	5 519	
New Hampshire	2	28	6	370	16 828	271	618	12 280	39 837	63 043	D	
New Jersey	1	49	14	747	28 658	474	1 001	18 449	93 811	39 730	14 285	
New Mexico	5	16	2	284	7 691	223	369	6 084	17 315	8 541	2 193	
New York	3	151	13	1 176	43 676	842	1 703	31 407	118 294	48 271	16 027	
North Carolina	1	51	13	773	22 512	616	1 194	17 432	66 296	87 107	D	
North Dakota	8	16	6	471	21 110	361	807	16 792	51 591	24 450	6 690	
Ohio	2	164	30	g	D	D	D	D	D	D	D	
Oklahoma	1	45	10	f	D	D	D	D	D	D	7 150	
Oregon	4	51	15	813	30 965	601	1 429	22 565	80 550	D	D	
Pennsylvania	4	94	12	983	31 553	748	1 321	24 452	82 356	37 946	7 970	
South Carolina	1	33	11	f	D	D	D	D	D	D	D	
South Dakota	2	23	2	c	D	D	D	D	D	D	D	
Tennessee	—	36	15	f	D	D	D	D	D	D	D	
Texas	2	180	49	3 066	88 998	2 370	4 808	66 992	289 978	138 964	34 257	
Utah	2	16	4	c	D	D	D	D	D	D	D	
Virginia	—	40	10	678	23 103	532	1 114	18 032	84 852	33 968	29 354	
Washington	1	61	10	f	D	D	D	D	D	D	D	
West Virginia	—	8	2	c	D	D	D	D	D	D	D	
Wisconsin	1	67	9	f	D	D	D	D	D	D	D	
Wyoming	—	24	11	610	20 648	506	1 075	16 703	91 244	72 774	8 892	
212321, CONSTRUCTION SAND & GRAVEL MINING												
United States	2	2 367	361	26 837	905 254	19 946	40 487	676 965	2 632 756	1 205 276	3 471 094	366 938
Alabama	3	38	5	438	10 647	344	620	8 529	32 062	16 074	43 870	4 266
Arizona	3	45	12	914	32 713	672	1 411	23 946	74 011	36 890	101 676	9 225
Arkansas	1	36	8	402	10 567	325	651	8 657	30 611	16 357	41 625	5 343
California	2	151	45	2 602	114 205	2 069	4 511	92 838	417 062	142 073	520 663	38 472
Colorado	2	56	7	546	16 021	340	659	10 983	40 289	22 094	56 176	6 207
Connecticut	2	36	3	e	D	D	D	D	D	D	D	2 518
Delaware and District of Columbia	3	9	1	c	D	D	D	D	D	D	D	4 255
Florida	3	53	10	767	22 516	556	1 158	18 021	76 934	38 436	102 309	13 061
Georgia	4	21	2	190	5 461	152	277	4 244	15 204	6 580	20 057	1 727
Idaho	4	25	2	c	D	D	D	D	D	D	D	D
Illinois	3	90	11	1 097	45 662	693	1 574	26 752	126 829	47 513	156 265	18 077
Indiana	—	98	6	f	D	D	D	D	D	D	D	D
Iowa	1	63	4	362	10 941	316	591	9 711	37 284	D	46 174	D
Kansas	1	33	4	366	12 574	241	539	8 404	30 440	D	44 290	D
Kentucky	1	16	3	247	8 372	201	459	6 603	32 022	D	42 488	D
Louisiana	2	53	8	528	12 407	422	716	9 940	41 723	19 318	54 344	6 697
Maryland	—	34	9	e	D	D	D	D	D	D	D	D
Massachusetts	3	46	7	509	18 892	320	628	11 368	40 663	23 525	57 626	6 562
Michigan	2	125	7	967	36 756	705	1 541	28 619	114 438	58 851	152 569	20 720
Minnesota	2	74	6	f	D	D	D	D	D	D	D	D
Mississippi	1	46	7	563	12 416	435	954	9 284	31 951	17 790	47 401	2 340
Missouri	3	47	5	402	11 614	303	534	8 213	27 447	13 311	35 713	5 045
Montana	3	19	1	107	3 127	78	152	2 487	7 217	3 053	9 063	1 207
Nebraska	2	54	2	e	D	D	D	D	D	D	D	D
Nevada	2	28	4	322	9 154	211	384	6 327	29 328	12 180	37 249	4 259
New Hampshire	2	28	6	370	16 828	271	618	12 280	39 837	D	63 043	D
New Jersey	1	38	9	494	20 836	321	690	13 261	72 598	22 735	84 278	11 055
New Mexico	5	16	2	284	7 691	223	369	6 084	17 315	8 541	23 663	2 193
New York	3	145	13	1 155	42 730	828	1 670	30 822	115 648	46 570	146 748	15 470
North Carolina	1	42	7	523	13 311	414	812	10 821	33 512	D	42 958	D
North Dakota	8	16	6	471	21 110	361	807	16 792	51 591	24 450	69 351	6 690
Ohio	2	153	26	1 693	55 971	1 295	2 588	41 957	159 912	73 009	208 387	24 534
Oklahoma	1	41	8	415	9 182	327	594	7 631	29 856	12 134	35 625	6 365
Oregon	4	49	15	f	D	D	D	D	D	D	D	11 896
Pennsylvania	4	86	11	883	28 537	674	1 173	22 309	74 036	33 626	100 149	7 513
South Carolina	2	21	4	263	7 332	195	409	5 581	20 029	D	26 572	D
Tennessee	—	29	9	587	16 503	450	856	11 596	50 459	28 075	68 197	10 337
Texas	3	154	39	2 426	67 745	1 943	3 837	54 806	196 671	95 387	263 573	28 485
Utah	2	14	3	151	5 357	102	196	3 795	12 166	D	15 349	D
Virginia	—	33	4	376	11 999	286	590	9 452	37 882	16 892	47 571	7 203
Washington	1	55	9	636	23 288	441	925	15 861	59 829	40 590	96 114	4 305
Wisconsin	1	63	6	572	19 951	372	784	14 366	53 759	23 957	64 171	13 545
212322, INDUSTRIAL SAND MINING												
United States	—	140	54	2 803	91 306	2 123	4 412	62 111	367 507	178 109	511 557	34 059
California	2	10	4	180	6 324	143	301	4 995	21 525	12 949	33 173	1 301
Illinois	—	10	7	383	14 207	280	624	9 493	66 552	26 376	89 101	3 827
Michigan	—	11	2	124	4 367	91	186	2 928	18 148	9 816	27 044	920
New Jersey	—	8	4	180	6 940	130	268	4 532	19 121	D	32 160	D
Ohio	—	7	3	c	D	D	D	D	D	D	D	D
Oklahoma	—	3	2	105	3 374	94	155	2 958	20 419	6 814	26 448	785
South Carolina	—	7	2	c	D	D	D	D	D	D	D	3 487
Tennessee	—	4	3	c	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 1-2. Industry Statistics for Selected States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	For pay period including March 12 ²	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)					Annual wages (\$1,000)
212322, INDUSTRIAL SAND MINING—Con.												
Texas	-	15	4	e	D	D	D	D	D	D	2 790	
Wisconsin	-	4	3	c	D	D	D	D	D	D	D	
212324, KAOLIN & BALL CLAY MINING												
United States	-	35	31	3 630	146 258	2 621	5 819	93 557	644 846	370 940	938 438	77 348
Georgia	-	17	16	2 857	118 657	2 059	4 586	76 378	574 346	329 951	834 332	69 965
Kentucky	-	2	2	c	D	D	D	D	D	D	D	D
South Carolina	-	5	5	200	7 102	156	336	4 732	14 698	13 882	26 464	2 116
Tennessee	-	3	3	235	8 305	165	361	4 739	23 622	D	28 492	D
212325, CLAY & CERAMIC & REFRACTORY MINERALS MINING												
United States	-	132	55	3 782	118 572	2 956	6 182	87 344	434 952	256 759	619 424	72 287
Alabama	4	9	3	206	5 294	164	290	3 871	11 175	8 204	18 094	1 285
California	-	10	2	149	5 524	99	181	2 802	25 158	6 696	30 748	1 106
Florida	-	9	2	288	7 592	216	335	5 189	5 661	D	13 451	D
Georgia	-	7	5	469	14 699	385	841	11 132	46 243	21 310	62 435	5 118
Illinois	-	3	2	172	5 013	125	284	4 138	20 867	14 734	35 032	569
Mississippi	-	9	5	400	10 380	340	796	8 105	33 524	22 079	49 634	5 969
Missouri	-	12	2	224	6 782	186	401	5 493	50 327	D	64 479	D
North Carolina	-	4	4	168	6 688	138	286	5 004	19 595	D	27 863	D
Texas	-	9	4	288	10 165	181	445	5 388	40 484	D	62 025	D
Virginia	-	5	5	e	D	D	D	D	D	D	D	D
Wyoming	-	13	9	519	17 837	441	941	14 747	85 531	68 414	145 923	8 022
21239, OTHER NONMETALLIC MINERAL MINING & QUARRYING												
United States	-	303	107	14 783	632 373	11 581	24 806	458 240	2 623 834	1 481 023	3 695 417	409 440
Arizona	1	16	4	c	D	D	D	D	D	D	D	D
California	-	29	11	1 081	48 988	889	1 702	36 799	526 182	119 287	629 332	16 137
Colorado	8	9	3	c	D	D	D	D	D	D	D	1 157
Florida	-	26	11	3 153	133 922	2 582	6 018	95 556	522 095	377 919	785 273	114 741
Idaho	-	12	6	676	31 104	502	1 004	22 185	87 409	45 702	125 696	7 415
Kansas	-	4	2	c	D	D	D	D	D	D	D	848
Louisiana	-	10	5	804	31 736	555	1 201	21 185	103 036	94 919	182 511	15 444
Michigan	1	10	2	c	D	D	D	D	D	D	D	D
Montana	-	12	3	278	11 844	205	428	8 001	50 573	23 000	67 822	5 751
Nevada	-	14	7	416	14 133	275	598	8 125	43 883	D	73 975	D
New Mexico	-	16	10	1 537	55 292	1 267	2 433	40 620	199 345	85 418	249 298	35 465
New York	-	13	5	f	D	D	D	D	D	D	D	D
North Carolina	-	9	5	553	22 288	448	1 050	16 567	113 731	D	201 186	D
Ohio	-	4	2	e	D	D	D	D	D	D	D	D
Oregon	1	8	2	120	3 333	91	197	2 591	12 445	D	18 194	D
Texas	1	14	5	444	16 477	345	739	12 615	35 021	23 886	57 629	1 278
Utah	-	13	7	446	15 760	338	728	10 912	87 836	26 328	108 357	5 807
Wyoming	-	6	5	2 750	155 888	2 171	4 785	119 209	565 302	375 553	838 560	102 295
212391, POTASH, SODA, & BORATE MINERAL MINING												
United States	-	27	19	4 805	237 391	3 849	8 044	177 739	1 295 896	557 588	1 702 985	150 499
California	-	8	4	472	22 924	385	744	16 530	474 342	81 962	544 127	12 177
New Mexico	-	6	5	g	D	D	D	D	D	D	D	D
Utah	-	3	3	122	4 404	105	226	3 273	63 603	D	71 447	D
Wyoming	-	6	5	2 750	155 888	2 171	4 785	119 209	565 302	375 553	838 560	102 295
212392, PHOSPHATE ROCK MINING												
United States	-	20	14	3 858	169 479	3 140	7 291	122 343	639 055	509 869	1 016 889	132 035
Florida	-	11	7	2 961	127 866	2 478	5 838	92 659	505 764	370 938	763 969	112 733
Idaho	-	5	4	561	27 439	402	794	19 125	74 468	D	111 478	D
North Carolina	-	1	1	c	D	D	D	D	D	D	D	D
Utah	-	1	1	c	D	D	D	D	D	D	D	D
212393, OTHER CHEMICAL & FERTILIZER MINERAL MINING												
United States	-	45	18	2 160	88 110	1 573	3 283	60 833	239 096	146 687	361 396	24 387
Kansas	-	3	2	c	D	D	D	D	D	D	D	D
Louisiana	-	8	4	f	D	D	D	D	D	D	D	D
New York	-	5	2	e	D	D	D	D	D	D	D	D
Ohio	-	3	2	e	D	D	D	D	D	D	D	D
Texas	2	5	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 1-2. Industry Statistics for Selected States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	For pay period including March 12 ²	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)					Annual wages (\$1,000)
212399, ALL OTHER NONMETALLIC MINERAL MINING												
United States	-	211	56	3 960	137 393	3 019	6 188	97 325	449 787	266 879	614 147	102 519
Arizona	1	15	3	c	D	D	D	D	D	D	D	D
California	-	19	7	f	D	D	D	D	D	D	D	D
Colorado	8	7	3	105	3 050	84	165	2 185	7 217	D	10 063	D
Florida	-	15	4	192	6 056	104	180	2 897	16 331	6 981	21 304	2 008
Idaho	-	7	2	115	3 665	100	210	3 060	12 941	D	14 218	D
Michigan	1	8	2	c	D	D	D	D	D	D	D	D
Montana	-	10	3	e	D	D	D	D	D	D	D	D
Nevada	-	9	4	334	11 126	212	474	6 409	37 907	21 215	57 892	1 230
New Mexico	-	8	5	c	D	D	D	D	D	D	D	D
New York	-	8	3	382	14 399	253	595	9 249	61 690	D	79 269	D
North Carolina	-	8	4	e	D	D	D	D	D	D	D	D
Oregon	-	8	2	120	3 333	91	197	2 591	12 445	D	18 194	D
Utah	1	7	2	c	D	D	D	D	D	D	D	880
213, SUPPORT ACTIVITIES FOR MINING												
United States	1	9 340	1 496	168 806	5 866 097	133 047	272 827	4 616 460	16 079 177	7 256 568	19 898 686	3 437 059
Alabama	-	84	13	968	25 843	773	1 400	19 773	93 791	45 270	115 483	23 578
Alaska	2	67	34	6 227	345 004	4 691	9 926	283 192	648 789	D	740 138	D
Arizona	2	46	6	424	14 322	333	1 658	10 790	47 067	19 426	63 665	2 828
Arkansas	2	110	13	1 137	30 243	956	1 853	24 664	70 923	27 994	85 991	12 926
California	2	334	77	9 035	305 359	7 384	15 198	238 493	621 228	285 928	776 532	130 624
Colorado	2	384	36	3 335	111 598	2 594	5 049	89 307	310 538	112 136	387 309	35 365
Florida	3	50	3	254	7 006	187	3 333	5 245	14 941	6 492	19 319	2 114
Georgia	-	33	5	407	12 973	303	583	9 509	33 810	10 718	38 780	5 748
Idaho	-	23	3	256	9 979	221	438	8 515	23 987	8 071	30 811	1 247
Illinois	1	191	11	1 248	35 594	999	1 971	29 436	74 963	24 849	92 964	6 848
Indiana	2	60	2	361	10 116	281	564	7 787	22 054	6 775	26 720	2 109
Kansas	1	427	39	3 104	82 526	2 415	4 604	63 429	191 177	74 981	248 798	17 360
Kentucky	3	149	21	1 954	57 458	1 667	3 187	50 803	137 450	69 785	195 545	11 690
Louisiana	-	963	258	33 996	1 282 135	26 199	58 033	964 892	3 801 537	2 021 108	4 803 486	1 019 159
Michigan	3	152	23	1 713	54 732	1 258	2 511	41 278	132 197	47 055	164 914	14 338
Minnesota	2	15	2	191	5 074	155	315	4 122	10 079	5 240	14 210	1 109
Mississippi	1	180	32	2 328	60 268	1 813	3 499	45 136	151 013	67 292	192 987	25 318
Missouri	2	39	2	216	3 993	167	213	3 040	15 459	D	19 592	D
Montana	1	139	16	1 367	43 973	1 090	2 130	35 992	121 411	48 545	150 055	19 901
Nebraska	1	50	4	e	D	D	D	D	D	D	D	1 123
Nevada	1	64	18	1 326	55 916	1 147	2 350	48 186	107 142	62 547	160 575	9 114
New Jersey	4	20	2	144	5 860	116	251	5 283	9 742	3 656	11 995	1 403
New Mexico	1	310	66	5 772	180 820	4 504	9 007	140 109	446 120	195 959	552 388	89 691
New York	6	41	1	228	6 117	166	309	4 557	17 719	5 199	17 544	5 374
North Dakota	1	140	21	1 544	44 339	1 286	2 498	37 951	107 424	51 657	136 053	23 028
Ohio	2	242	25	1 895	52 895	1 464	2 848	41 986	132 628	45 414	165 819	12 223
Oklahoma	1	1 026	112	12 239	387 659	9 398	18 284	290 623	976 087	468 091	1 279 088	165 090
Pennsylvania	2	213	27	2 006	56 972	1 542	2 960	43 370	140 524	65 250	191 471	14 303
South Dakota	-	18	1	139	5 314	126	274	4 843	13 731	7 916	19 928	1 719
Tennessee	2	37	3	280	7 770	223	427	5 375	17 291	D	23 188	D
Texas	1	2 825	476	53 567	1 819 337	41 758	84 935	1 434 906	4 803 500	1 996 660	5 890 968	909 192
Utah	2	162	25	1 956	58 935	1 590	3 007	46 627	133 922	57 407	171 069	20 260
Virginia	2	55	14	784	23 531	616	1 140	18 329	48 686	22 007	65 864	4 829
Washington	2	32	1	e	D	D	D	D	D	D	D	D
West Virginia	2	192	36	2 944	97 775	2 376	4 994	80 718	253 962	84 790	312 178	26 574
Wisconsin	-	8	2	105	2 636	88	154	2 035	5 117	2 584	6 705	996
Wyoming	1	385	52	5 038	171 197	4 005	8 172	141 138	448 068	168 872	545 787	71 153
Offshore areas not associated with a state	-	21	13	9 492	367 996	8 509	16 609	317 486	1 849 983	820 104	2 119 159	550 928
2131, SUPPORT ACTIVITIES FOR MINING												
United States	1	9 340	1 496	168 806	5 866 097	133 047	272 827	4 616 460	16 079 177	7 256 568	19 898 686	3 437 059
Alabama	-	84	13	968	25 843	773	1 400	19 773	93 791	45 270	115 483	23 578
Alaska	2	67	34	6 227	345 004	4 691	9 926	283 192	648 789	D	740 138	D
Arizona	2	46	6	424	14 322	333	1 658	10 790	47 067	19 426	63 665	2 828
Arkansas	2	110	13	1 137	30 243	956	1 853	24 664	70 923	27 994	85 991	12 926
California	2	334	77	9 035	305 359	7 384	15 198	238 493	621 228	285 928	776 532	130 624
Colorado	2	384	36	3 335	111 598	2 594	5 049	89 307	310 538	112 136	387 309	35 365
Florida	3	50	3	254	7 006	187	3 333	5 245	14 941	6 492	19 319	2 114
Georgia	-	33	5	407	12 973	303	583	9 509	33 810	10 718	38 780	5 748
Idaho	-	23	3	256	9 979	221	438	8 515	23 987	8 071	30 811	1 247
Illinois	1	191	11	1 248	35 594	999	1 971	29 436	74 963	24 849	92 964	6 848
Indiana	2	60	2	361	10 116	281	564	7 787	22 054	6 775	26 720	2 109
Kansas	1	427	39	3 104	82 526	2 415	4 604	63 429	191 177	74 981	248 798	17 360
Kentucky	3	149	21	1 954	57 458	1 667	3 187	50 803	137 450	69 785	195 545	11 690
Louisiana	-	963	258	33 996	1 282 135	26 199	58 033	964 892	3 801 537	2 021 108	4 803 486	1 019 159
Michigan	3	152	23	1 713	54 732	1 258	2 511	41 278	132 197	47 055	164 914	14 338
Minnesota	2	15	2	191	5 074	155	315	4 122	10 079	5 240	14 210	1 109
Mississippi	1	180	32	2 328	60 268	1 813	3 499	45 136	151 013	67 292	192 987	25 318
Missouri	2	39	2	216	3 993	167	213	3 040	15 459	D	19 592	D
Montana	1	139	16	1 367	43 973	1 090	2 130	35 992	121 411	48 545	150 055	19 901
Nebraska	1	50	4	e	D	D	D	D	D	D	D	1 123

See footnotes at end of table.

Table 1-2. Industry Statistics for Selected States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	For pay period including March 12 ²	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)					Annual wages (\$1,000)
2131, SUPPORT ACTIVITIES FOR MINING—Con.												
Nevada	1	64	18	1 326	55 916	1 147	2 350	48 186	107 142	62 547	160 575	9 114
New Jersey	4	20	2	144	5 860	116	251	5 283	9 742	3 656	11 995	1 403
New Mexico	1	310	66	5 772	180 820	4 504	9 007	140 109	446 120	195 959	552 388	89 691
New York	6	41	1	228	6 117	166	309	4 557	17 719	5 199	17 544	5 374
North Dakota	1	140	21	1 544	44 339	1 286	2 498	37 951	107 424	51 657	136 053	23 028
Ohio	2	242	25	1 895	52 895	1 464	2 848	41 986	132 628	45 414	165 819	12 223
Oklahoma	1	1 026	112	12 239	387 659	9 398	18 284	290 623	976 087	468 091	1 279 088	165 090
Pennsylvania	2	213	27	2 006	56 972	1 542	2 960	43 370	140 524	65 250	191 471	14 303
South Dakota	—	18	1	139	5 314	126	274	4 843	13 731	7 916	19 928	1 719
Tennessee	2	37	3	280	7 770	223	427	5 375	17 291	D	23 188	D
Texas	1	2 825	476	53 567	1 819 337	41 758	84 935	1 434 906	4 803 500	1 996 660	5 890 968	909 192
Utah	2	162	25	1 956	58 935	1 590	3 007	46 627	133 922	57 407	171 069	20 260
Virginia	2	55	14	784	23 531	616	1 140	18 329	48 686	22 007	65 864	4 829
Washington	2	32	1	e	D	D	D	D	D	D	D	D
West Virginia	2	192	36	2 944	97 775	2 376	4 994	80 718	253 962	84 790	312 178	26 574
Wisconsin	—	8	2	105	2 636	88	154	2 035	5 117	2 584	6 705	996
Wyoming	1	385	52	5 038	171 197	4 005	8 172	141 138	448 068	168 872	545 787	71 153
Offshore areas not associated with a state	—	21	13	9 492	367 996	8 509	16 609	317 486	1 849 983	820 104	2 119 159	550 928
21311, SUPPORT ACTIVITIES FOR MINING												
United States	1	9 340	1 496	168 806	5 866 097	133 047	272 827	4 616 460	16 079 177	7 256 568	19 898 686	3 437 059
Alabama	—	84	13	968	25 843	773	1 400	19 773	93 791	45 270	115 483	23 578
Alaska	2	67	34	6 227	345 004	4 691	9 926	283 192	648 789	D	740 138	D
Arizona	2	46	6	424	14 322	333	1 658	10 790	47 067	19 426	63 665	2 828
Arkansas	2	110	13	1 137	30 243	956	1 853	24 664	70 923	27 994	85 991	12 926
California	2	334	77	9 035	305 359	7 384	15 198	238 493	621 228	285 928	776 532	130 624
Colorado	2	384	36	3 335	111 598	2 594	5 049	89 307	310 538	112 136	387 309	35 365
Florida	3	50	3	254	7 006	187	3 303	5 245	14 941	6 492	19 319	2 114
Georgia	1	33	5	407	12 973	303	583	9 509	33 810	10 718	38 780	5 748
Idaho	—	23	3	256	9 979	221	438	8 515	23 987	8 071	30 811	1 247
Illinois	1	191	11	1 248	35 594	999	1 971	29 436	74 963	24 849	92 964	6 848
Indiana	2	60	2	361	10 116	281	564	7 787	22 054	6 775	26 720	2 109
Kansas	1	427	39	3 104	82 526	2 415	4 604	63 429	191 177	74 981	248 798	17 360
Kentucky	3	149	21	1 954	57 458	1 667	3 187	50 803	137 450	69 785	195 545	11 690
Louisiana	—	963	258	33 996	1 282 135	26 199	58 033	964 892	3 801 537	2 021 108	4 803 486	1 019 159
Michigan	3	152	23	1 713	54 732	1 258	2 511	41 278	132 197	47 055	164 914	14 338
Minnesota	2	15	2	191	5 074	155	315	4 122	10 079	5 240	14 210	1 109
Mississippi	1	180	32	2 328	60 268	1 813	3 499	45 136	151 013	67 292	192 987	25 318
Missouri	2	39	2	216	3 993	167	213	3 040	15 459	D	19 592	D
Montana	1	139	16	1 367	43 973	1 090	2 130	35 992	121 411	48 545	150 055	19 901
Nebraska	1	50	4	e	D	D	D	D	D	D	D	1 123
Nevada	1	64	18	1 326	55 916	1 147	2 350	48 186	107 142	62 547	160 575	9 114
New Jersey	4	20	2	144	5 860	116	251	5 283	9 742	3 656	11 995	1 403
New Mexico	1	310	66	5 772	180 820	4 504	9 007	140 109	446 120	195 959	552 388	89 691
New York	6	41	1	228	6 117	166	309	4 557	17 719	5 199	17 544	5 374
North Dakota	1	140	21	1 544	44 339	1 286	2 498	37 951	107 424	51 657	136 053	23 028
Ohio	2	242	25	1 895	52 895	1 464	2 848	41 986	132 628	45 414	165 819	12 223
Oklahoma	1	1 026	112	12 239	387 659	9 398	18 284	290 623	976 087	468 091	1 279 088	165 090
Pennsylvania	2	213	27	2 006	56 972	1 542	2 960	43 370	140 524	65 250	191 471	14 303
South Dakota	—	18	1	139	5 314	126	274	4 843	13 731	7 916	19 928	1 719
Tennessee	2	37	3	280	7 770	223	427	5 375	17 291	D	23 188	D
Texas	1	2 825	476	53 567	1 819 337	41 758	84 935	1 434 906	4 803 500	1 996 660	5 890 968	909 192
Utah	2	162	25	1 956	58 935	1 590	3 007	46 627	133 922	57 407	171 069	20 260
Virginia	2	55	14	784	23 531	616	1 140	18 329	48 686	22 007	65 864	4 829
Washington	2	32	1	e	D	D	D	D	D	D	D	D
West Virginia	2	192	36	2 944	97 775	2 376	4 994	80 718	253 962	84 790	312 178	26 574
Wisconsin	—	8	2	105	2 636	88	154	2 035	5 117	2 584	6 705	996
Wyoming	1	385	52	5 038	171 197	4 005	8 172	141 138	448 068	168 872	545 787	71 153
Offshore areas not associated with a state	—	21	13	9 492	367 996	8 509	16 609	317 486	1 849 983	820 104	2 119 159	550 928
213111, DRILLING OIL & GAS WELLS												
United States	—	1 628	401	52 858	1 900 985	44 370	90 245	1 524 777	5 708 652	3 795 551	7 298 223	2 205 980
Alabama	—	20	3	171	4 286	143	252	3 427	39 674	29 626	50 664	18 636
Alaska	—	11	8	1 023	54 802	791	1 772	46 364	111 571	172 031	131 868	151 734
Arkansas	3	31	6	f	D	D	D	D	D	D	D	D
California	3	61	21	2 312	80 718	1 901	4 105	61 366	159 974	144 110	208 349	95 735
Colorado	1	57	11	744	25 356	608	1 256	21 148	58 755	31 837	80 449	10 143
Illinois	2	42	2	238	4 342	198	309	3 736	10 196	2 748	11 519	1 425
Kansas	1	66	12	784	22 279	666	1 420	17 972	48 553	24 238	67 695	5 096
Kentucky	4	30	2	211	4 765	149	238	3 739	9 625	3 975	12 500	1 100
Louisiana	—	165	67	11 940	539 271	9 331	19 091	398 968	1 659 128	1 351 608	2 239 150	771 586
Michigan	3	33	8	549	15 408	419	814	12 639	32 109	13 634	42 007	3 736
Mississippi	1	39	12	730	17 738	602	1 058	13 275	52 968	33 534	72 901	13 601
Montana	—	16	6	388	13 813	343	733	12 232	39 951	21 472	50 753	10 670
Nebraska	1	13	1	111	2 708	96	169	2 327	3 386	D	7 029	D
New Mexico	—	54	22	1 961	63 618	1 656	3 272	50 768	126 534	84 441	176 403	34 572
North Dakota	—	17	3	468	15 474	441	918	14 412	41 724	26 945	52 166	16 503
Ohio	3	71	7	549	14 871	444	812	12 213	33 395	14 080	44 439	3 036
Oklahoma	—	164	39	3 680	104 911	3 109	6 184	88 959	273 896	175 255	358 265	91 356
Pennsylvania	2	43	6	451	12 180	365	714	10 051	31 927	14 143	42 832	3 238
Texas	—	448	116	14 322	480 677	12 347	24 101	388 445	1 207 021	740 544	1 577 635	369 930
Utah	1	31	9	444	15 146	397	819	12 893	33 021	16 011	41 652	7 660
Virginia	—	4	3	132	5 178	121	272	4 431	11 930	5 997	16 746	1 181
West Virginia	—	30	6	506	11 886	437	995	9 954	32 760	11 563	38 984	5 339
Wyoming	—	49	17	1 607	60 058	1 394	2 785	54 361	158 199	78 994	201 460	35 733

See footnotes at end of table.

Table 1-2. Industry Statistics for Selected States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	For pay period including March 12 ²	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)					Annual wages (\$1,000)
213111, DRILLING OIL & GAS WELLS—Con.												
Offshore areas not associated with a state	—	9	9	8 348	300 515	7 405	16 243	254 653	1 465 147	761 864	1 686 872	540 139
213112, SUPPORT ACTIVITIES FOR OIL & GAS OPERATIONS												
United States	1	7 066	968	106 118	3 621 946	80 479	166 269	2 809 823	9 569 393	3 093 204	11 501 280	1 161 317
Alabama	—	53	9	708	18 970	566	1 012	14 539	49 063	13 560	58 220	4 403
Alaska	2	46	23	5 071	284 113	3 782	7 925	231 417	518 783	104 284	584 080	38 987
Arkansas	1	77	7	606	17 251	492	913	13 840	44 231	13 711	49 825	8 117
California	1	256	55	6 542	219 255	5 329	10 798	172 453	448 097	135 951	550 531	33 517
Colorado	2	294	22	2 193	74 298	1 626	3 177	58 015	213 959	66 061	257 116	22 904
Florida	4	27	2	147	4 542	101	186	3 189	9 626	2 893	11 229	1 290
Illinois	2	135	7	673	15 781	508	964	12 635	42 121	11 843	50 994	2 970
Indiana	2	32	1	200	5 121	156	314	4 092	12 055	2 709	13 939	825
Kansas	2	361	27	2 320	60 247	1 749	3 184	45 457	142 624	50 743	181 103	12 264
Kentucky	1	54	4	592	17 659	484	928	16 101	50 455	14 937	61 346	4 046
Louisiana	1	795	190	22 029	741 567	16 844	38 894	564 753	2 140 519	667 787	2 560 913	247 393
Michigan	3	111	15	1 100	36 814	791	1 607	26 829	88 537	29 136	109 190	8 483
Mississippi	1	141	20	1 598	42 530	1 211	2 441	31 861	98 045	33 758	120 086	11 717
Missouri	2	13	2	161	3 038	132	167	2 309	13 094	D	16 395	D
Montana	1	110	6	687	17 763	506	932	13 808	44 923	12 261	52 138	5 046
Nebraska	1	34	2	143	2 701	116	156	2 201	7 662	2 010	9 178	494
New Mexico	1	248	44	3 776	116 004	2 825	5 686	88 453	315 196	109 520	369 811	54 905
New York	7	25	1	143	3 526	104	197	2 583	8 261	D	9 782	D
North Dakota	1	123	18	1 076	28 865	845	1 580	23 539	65 700	24 712	83 887	6 525
Ohio	3	146	10	872	22 535	625	1 204	17 016	51 000	17 241	62 194	6 047
Oklahoma	1	856	72	8 476	280 441	6 223	11 965	199 806	696 554	288 171	911 186	73 539
Pennsylvania	2	82	11	746	20 385	541	1 064	14 912	53 764	27 822	74 290	7 296
Texas	1	2 367	358	39 033	1 331 543	29 234	60 535	1 040 858	3 576 016	1 246 584	4 286 964	535 636
Utah	3	115	10	1 105	32 063	843	1 591	24 167	80 288	29 955	99 308	10 935
Virginia	1	22	2	c	D	D	D	D	D	D	D	1 561
West Virginia	2	99	8	985	26 968	729	1 361	20 656	65 324	21 069	76 111	10 282
Wyoming	1	313	33	3 246	105 719	2 462	5 077	82 203	281 266	85 333	331 985	34 614
Offshore areas not associated with a state	—	12	4	1 144	67 481	1 104	366	62 833	384 836	58 240	432 287	10 789
213113, SUPPORT ACTIVITIES FOR COAL MINING												
United States	2	309	67	4 993	173 523	4 214	8 468	145 116	426 539	182 462	578 449	30 552
Illinois	—	8	2	300	14 241	263	643	12 031	18 340	7 965	24 526	1 779
Kentucky	4	57	14	1 064	32 753	961	1 874	29 106	74 589	49 548	117 758	6 379
Montana	—	1	1	c	D	D	D	D	D	D	D	D
Ohio	2	22	8	462	15 270	385	816	12 560	47 702	D	58 396	D
Pennsylvania	2	77	8	664	19 088	526	955	14 333	44 951	18 977	61 175	2 753
Texas	—	4	1	c	D	D	D	D	D	D	D	D
Virginia	4	28	8	395	11 000	330	589	9 235	21 396	D	28 536	D
West Virginia	3	63	22	1 453	58 921	1 210	2 638	50 108	155 878	52 158	197 083	10 953
213114, SUPPORT ACTIVITIES FOR METAL MINING												
United States	2	182	39	3 025	108 969	2 564	4 997	91 301	239 904	121 567	338 105	23 366
Alaska	3	10	3	133	6 089	118	229	5 411	18 435	D	24 190	D
Arizona	2	20	5	329	11 250	263	524	8 543	36 518	16 530	51 152	1 896
California	1	17	1	181	5 386	154	295	4 674	13 157	5 867	17 652	1 372
Minnesota	—	2	1	c	D	D	D	D	D	D	D	D
Montana	3	12	3	c	D	D	D	D	D	D	D	D
Nevada	1	35	15	1 169	50 188	1 025	2 127	43 629	92 301	57 481	142 028	7 754
Utah	5	8	4	230	5 518	192	287	4 300	11 873	5 823	16 979	717
Washington	—	5	1	c	D	D	D	D	D	D	D	869
213115, SUPPORT ACTIVITIES FOR NONMETALLIC MINERALS (EXCEPT FUELS)												
United States	—	155	21	1 812	60 674	1 420	2 848	45 443	134 689	63 784	182 629	15 844
Colorado	1	10	2	261	7 322	236	386	6 019	19 324	4 995	23 324	995
Georgia	—	12	2	205	5 899	140	317	3 704	15 381	6 371	17 699	4 053
Idaho	—	4	3	161	6 620	142	293	5 829	19 445	6 298	24 919	824
Pennsylvania	1	11	2	145	5 319	110	227	4 074	9 882	4 308	13 174	1 016
Utah	—	3	1	c	D	D	D	D	D	D	D	D

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1-10 to 19 percent; 2-20 to 29 percent; 3-30 to 39 percent; 4-40 to 49 percent; 5-50 to 59 percent; 6-60 to 69 percent; 7-70 to 79 percent; 8-80 to 89 percent; 9-90 percent or more.

²States with 100 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 100 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c-100 to 249 employees; e-250 to 499 employees; f-500 to 999 employees; g-1,000 to 2,499 employees, h-2,500 to 4,999 employees; i-5,000 to 9,999 employees; j-10,000 to 24,999 employees. Statistics for subsectors shown include data for all component industries, regardless of whether data are shown for individual industries in the subsector.

Table 1-3. Detailed Statistics by Industry: 1997

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

Item	Value	Item	Value
21, MINING		211, OIL & GAS EXTRACTION—Con.	
Companies ¹	19 985	Gross book value of depreciable/depletable assets at beginning of year ²	\$1,000 .. 9 515 941
All establishments	25 000	Capital expenditures (except land and mineral rights)	\$1,000 .. 21 784 283
Establishments with 0 to 19 employees	20 393	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000 .. 5 058 068
Establishments with 20 to 99 employees	3 747	Capital expenditures for mineral exploration and development ³	\$1,000 .. 16 726 215
Establishments with 100 employees or more	860	Capital expenditures for mineral land and rights ⁴	\$1,000 .. 2 000
All employees for pay period including March 12	509 006	Deductions from depreciable/depletable assets during year	\$1,000 .. 159 383
Annual payroll	20 798 257	Gross book value of depreciable/depletable assets at end of year ²	\$1,000 .. 10 037 089
Annual fringe benefits not included in payroll	\$1,000 .. 5 523 595	Total depreciation/depletion charges during year	\$1,000 .. 583 865
Production, development, and exploration workers for pay period including March 12	number .. 389 232	Total rental payments during year	\$1,000 .. 885 282
Production, development, and exploration worker annual hours	1,000 .. 808 519	Rental payments for buildings and other structures	\$1,000 .. 228 669
Production, development, and exploration worker annual wages	\$1,000 .. 15 316 635	Rental payments for machinery and equipment	\$1,000 .. 656 613
Total cost of supplies	\$1,000 .. 71 403 716	Lease rents ⁴	\$1,000 .. —
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000 .. 51 383 521	Expensed mineral exploration, development, land, and rights ³	\$1,000 .. 8 350 802
Cost of resales	\$1,000 .. 892 570	212, MINING (EXCEPT OIL & GAS)	
Cost of purchased fuels consumed	\$1,000 .. 3 208 376	Companies ¹	number .. 4 944
Cost of purchased electricity	\$1,000 .. 3 953 056	All establishments	number .. 7 348
Cost of contract work	\$1,000 .. 11 966 193	Establishments with 0 to 19 employees	number .. 5 110
Quantity of electricity purchased	1,000 kWh .. 80 149 784	Establishments with 20 to 99 employees	number .. 1 805
Quantity of electricity generated less sold	1,000 kWh .. 5 244 076	Establishments with 100 employees or more	number .. 433
Cost of purchased communications services	\$1,000 .. 211 727	All employees for pay period including March 12	number .. 229 319
Total value of shipments and receipts	\$1,000 .. 173 985 314	Annual payroll	\$1,000 .. 9 421 600
Value of resales	\$1,000 .. 1 191 462	Annual fringe benefits not included in payroll	\$1,000 .. 2 985 438
Value added by mining	\$1,000 .. 133 635 967	Production, development, and exploration workers for pay period including March 12	number .. 188 988
Total inventories, end of 1996	\$1,000 .. 7 397 054	Production, development, and exploration worker annual hours	1,000 .. 400 094
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000 .. 3 891 065	Production, development, and exploration worker annual wages	\$1,000 .. 7 527 534
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000 .. 3 505 989	Total cost of supplies	\$1,000 .. 21 878 784
Total inventories, end of 1997	\$1,000 .. 7 695 920	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000 .. 15 323 984
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000 .. 3 968 315	Cost of resales	\$1,000 .. 302 158
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000 .. 3 727 605	Cost of purchased fuels consumed	\$1,000 .. 1 570 649
Gross book value of depreciable/depletable assets at beginning of year ²	\$1,000 .. 91 354 931	Cost of purchased electricity	\$1,000 .. 2 068 656
Capital expenditures (except land and mineral rights)	\$1,000 .. 31 054 369	Cost of contract work	\$1,000 .. 2 613 337
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000 .. 13 623 466	Quantity of electricity purchased	1,000 kWh .. 45 629 880
Capital expenditures for mineral exploration and development ³	\$1,000 .. 17 430 903	Quantity of electricity generated less sold	1,000 kWh .. 928 323
Capital expenditures for mineral land and rights ⁴	\$1,000 .. 500 441	Cost of purchased communications services	\$1,000 .. 47 949
Deductions from depreciable/depletable assets during year	\$1,000 .. 3 125 370	Total value of shipments and receipts	\$1,000 .. 51 252 625
Gross book value of depreciable/depletable assets at end of year ²	\$1,000 .. 98 678 619	Value of resales	\$1,000 .. 364 067
Total depreciation/depletion charges during year	\$1,000 .. 6 363 935	Value added by mining	\$1,000 .. 35 206 868
Total rental payments during year	\$1,000 .. 2 215 828	Total inventories, end of 1996	\$1,000 .. 4 850 641
Rental payments for buildings and other structures	\$1,000 .. 467 060	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000 .. 3 334 957
Rental payments for machinery and equipment	\$1,000 .. 1 748 768	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000 .. 1 515 684
Lease rents ⁴	\$1,000 .. 334 066	Total inventories, end of 1997	\$1,000 .. 4 952 614
Expensed mineral exploration, development, land, and rights ³	\$1,000 .. 10 122 230	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000 .. 3 441 401
211, OIL & GAS EXTRACTION		Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000 .. 1 511 213
Companies ¹	number .. 6 859	Gross book value of depreciable/depletable assets at beginning of year ²	\$1,000 .. 64 422 842
All establishments	number .. 8 312	Capital expenditures (except land and mineral rights)	\$1,000 .. 5 833 027
Establishments with 0 to 19 employees	number .. 7 439	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000 .. 5 128 354
Establishments with 20 to 99 employees	number .. 700	Capital expenditures for mineral exploration and development ³	\$1,000 .. 704 673
Establishments with 100 employees or more	number .. 173	Capital expenditures for mineral land and rights ⁴	\$1,000 .. 498 437
All employees for pay period including March 12	number .. 110 881	Deductions from depreciable/depletable assets during year	\$1,000 .. 1 905 739
Annual payroll	\$1,000 .. 5 510 560	Gross book value of depreciable/depletable assets at end of year ²	\$1,000 .. 68 848 567
Annual fringe benefits not included in payroll	\$1,000 .. 1 310 964	Total depreciation/depletion charges during year	\$1,000 .. 4 292 162
Production, development, and exploration workers for pay period including March 12	number .. 67 197	Total rental payments during year	\$1,000 .. 823 255
Production, development, and exploration worker annual hours	1,000 .. 135 598	Rental payments for buildings and other structures	\$1,000 .. 64 730
Production, development, and exploration worker annual wages	\$1,000 .. 3 172 641	Rental payments for machinery and equipment	\$1,000 .. 758 525
Total cost of supplies	\$1,000 .. 42 268 364	Lease rents ⁴	\$1,000 .. 334 017
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000 .. 30 785 140	Expensed mineral exploration, development, land, and rights ³	\$1,000 .. 1 771 428
Cost of resales	\$1,000 .. 150 561	213, SUPPORT ACTIVITIES FOR MINING	
Cost of purchased fuels consumed	\$1,000 .. 1 067 804	Companies ¹	number .. 8 287
Cost of purchased electricity	\$1,000 .. 1 780 528	All establishments	number .. 9 340
Cost of contract work	\$1,000 .. 8 484 331	Establishments with 0 to 19 employees	number .. 7 844
Quantity of electricity purchased	1,000 kWh .. 32 797 527	Establishments with 20 to 99 employees	number .. 1 242
Quantity of electricity generated less sold	1,000 kWh .. 4 036 004	Establishments with 100 employees or more	number .. 254
Cost of purchased communications services	\$1,000 .. 79 458	All employees for pay period including March 12	number .. 168 806
Total value of shipments and receipts	\$1,000 .. 102 834 003	Annual payroll	\$1,000 .. 5 866 097
Value of resales	\$1,000 .. 153 564	Annual fringe benefits not included in payroll	\$1,000 .. 1 227 193
Value added by mining	\$1,000 .. 82 349 922	Production, development, and exploration workers for pay period including March 12	number .. 133 047
Total inventories, end of 1996	\$1,000 .. 1 509 341	Production, development, and exploration worker annual hours	1,000 .. 272 827
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000 .. 555 923	Production, development, and exploration worker annual wages	\$1,000 .. 4 616 460
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000 .. 953 418		
Total inventories, end of 1997	\$1,000 .. 1 565 947		
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000 .. 526 731		
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000 .. 1 039 216		

See footnotes at end of table.

Table 1-3. Detailed Statistics by Industry: 1997—Con.

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

Item	Value	Item	Value
213, SUPPORT ACTIVITIES FOR MINING—Con.		213, SUPPORT ACTIVITIES FOR MINING—Con.	
Total cost of supplies	\$1,000.. 7 256 568	Total inventories, end of 1997—Con.	
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 5 274 397	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 183
Cost of resales	\$1,000.. 439 851	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 1 177 176
Cost of purchased fuels consumed	\$1,000.. 569 923	Gross book value of depreciable/depletable assets at beginning of year ²	\$1,000.. 17 416 148
Cost of purchased electricity	\$1,000.. 103 872	Capital expenditures (except land and mineral rights)	\$1,000.. 3 437 059
Cost of contract work	\$1,000.. 868 525	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 3 437 044
Quantity of electricity purchased	1,000 kWh.. 1 722 377	Capital expenditures for mineral exploration and development ³	\$1,000.. 15
Quantity of electricity generated less sold	1,000 kWh.. 279 749	Capital expenditures for mineral land and rights ⁴	\$1,000.. 4
Cost of purchased communications services	\$1,000.. 84 320	Deductions from depreciable/depletable assets during year	\$1,000.. 1 060 248
Total value of shipments and receipts	\$1,000.. 19 898 686	Gross book value of depreciable/depletable assets at end of year ²	\$1,000.. 19 792 963
Value of resales	\$1,000.. 673 831	Total depreciation/depletion charges during year	\$1,000.. 1 487 908
Value added by mining	\$1,000.. 16 079 177	Total rental payments during year	\$1,000.. 507 291
Total inventories, end of 1996	\$1,000.. 1 037 072	Rental payments for buildings and other structures	\$1,000.. 173 661
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 185	Rental payments for machinery and equipment	\$1,000.. 333 630
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 1 036 887	Lease rents ⁴	\$1,000.. 49
Total inventories, end of 1997	\$1,000.. 1 177 359	Expensed mineral exploration, development, land, and rights ³	\$1,000.. —

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Excludes data for crude petroleum and natural gas extraction industry.

³Excludes data for support activities for mining subsector and natural gas liquid extraction industries where data were not collected.

⁴Excludes data for support activities for mining subsector and oil and gas extraction industries where data were not collected.

Table 1-4. Industry Statistics by Employment Size: 1997

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

Industry and employment size class	E ¹	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)
		Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
21, MINING												
Total	—	25 000	4 607	509 006	20 798 257	389 232	808 519	15 316 635	133 635 967	71 403 716	173 985 314	31 054 369
Establishments with 0 to 4 employees	2	12 884	—	26 588	670 638	17 665	35 566	460 881	7 211 716	3 493 867	9 088 515	1 617 068
Establishments with 5 to 9 employees	1	4 050	—	27 083	860 479	19 522	35 965	609 066	5 809 802	3 251 932	7 848 975	1 212 759
Establishments with 10 to 19 employees	1	3 459	—	47 491	1 626 390	35 474	69 399	1 168 573	9 127 204	7 357 597	14 576 851	1 907 950
Establishments with 20 to 49 employees	—	2 807	2 807	85 502	3 109 379	66 383	136 447	2 290 848	18 859 960	14 617 721	29 512 146	3 965 535
Establishments with 50 to 99 employees	—	940	940	64 756	2 527 050	50 550	106 069	1 878 232	15 985 943	10 575 070	23 050 305	3 510 708
Establishments with 100 to 249 employees	—	568	568	84 559	3 659 219	66 714	141 658	2 738 294	23 613 340	9 482 990	27 391 792	5 704 538
Establishments with 250 to 499 employees	—	176	176	60 211	2 917 559	46 696	101 495	2 156 917	21 466 682	9 221 493	25 612 349	5 075 826
Establishments with 500 to 999 employees	—	84	84	57 120	2 943 367	43 647	88 574	2 173 091	20 980 696	7 918 026	24 479 653	4 419 069
Establishments with 1,000 to 2,499 employees	1	27	27	41 922	1 841 357	31 271	68 910	1 329 868	6 959 297	3 783 420	9 176 020	1 566 697
Establishments with 2,500 employees or more	—	5	5	13 774	642 819	11 310	24 436	510 865	3 621 327	1 701 600	3 248 708	2 074 219
Administrative records ²	9	10 156	—	29 813	659 841	20 449	33 359	461 673	2 564 585	913 322	2 985 041	492 866
211, OIL & GAS EXTRACTION												
Total	—	8 312	873	110 881	5 510 560	67 197	135 598	3 172 641	82 349 922	42 268 364	102 834 003	21 784 283
Establishments with 0 to 4 employees	2	5 393	—	9 582	296 620	6 595	12 268	180 209	5 869 545	2 789 458	7 215 040	1 443 963
Establishments with 5 to 9 employees	—	1 261	—	8 294	296 161	5 096	9 376	178 612	4 152 653	2 342 331	5 529 880	965 104
Establishments with 10 to 19 employees	—	785	—	10 683	463 000	6 633	12 521	272 150	5 689 924	5 523 137	9 827 513	1 385 548
Establishments with 20 to 49 employees	—	533	533	16 599	793 456	10 907	22 631	494 555	11 628 183	9 563 010	18 370 279	2 820 914
Establishments with 50 to 99 employees	—	167	167	11 525	590 206	7 674	16 253	367 482	9 925 315	6 673 639	14 076 784	2 522 170
Establishments with 100 to 249 employees	—	108	108	16 024	877 560	9 862	20 635	519 529	13 999 873	4 482 849	14 311 819	4 170 903
Establishments with 250 to 499 employees	—	43	43	14 114	786 988	8 237	17 535	437 103	12 714 569	5 385 901	14 713 568	3 386 902
Establishments with 500 to 999 employees	1	15	15	10 490	707 622	5 611	12 156	374 345	13 957 404	D	14 778 736	D
Establishments with 1,000 to 2,499 employees	2	5	5	D	D	D	D	D	D	D	D	D
Establishments with 2,500 employees or more	—	2	2	D	D	D	D	D	D	D	D	D
Administrative records ²	9	4 173	—	9 448	236 895	6 347	12 102	140 079	1 582 480	517 402	1 694 283	405 599

See footnotes at end of table.

Table 1-4. Industry Statistics by Employment Size: 1997—Con.

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

Industry and employment size class	E ¹	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)
		Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
212. MINING (EXCEPT OIL & GAS)												
Total	-	7 348	2 238	229 319	9 421 600	188 988	400 094	7 527 534	35 206 868	21 878 784	51 252 625	5 833 027
Establishments with 0 to 4 employees	3	2 255	-	5 459	133 020	3 642	6 096	101 736	643 496	447 810	992 319	98 987
Establishments with 5 to 9 employees	2	1 319	-	9 018	294 372	7 013	13 166	225 239	989 568	630 463	1 456 672	163 359
Establishments with 10 to 19 employees	1	1 536	-	21 331	709 663	16 867	33 777	552 278	2 342 586	1 464 868	3 406 080	401 374
Establishments with 20 to 49 employees	1	1 368	1 368	41 419	1 466 152	33 835	70 977	1 145 716	5 235 944	3 971 783	8 432 042	775 685
Establishments with 50 to 99 employees	1	437	437	29 852	1 140 630	24 351	52 014	898 578	4 102 634	2 963 282	6 470 517	595 399
Establishments with 100 to 249 employees	-	279	279	43 199	1 886 887	36 196	77 553	1 511 276	7 578 098	4 096 472	10 524 049	1 150 521
Establishments with 250 to 499 employees	-	102	102	35 488	1 746 763	30 054	65 719	1 421 131	7 705 346	3 463 258	9 709 226	1 459 378
Establishments with 500 to 999 employees	-	43	43	28 258	1 305 731	24 030	50 547	1 067 516	4 214 526	D	6 412 767	D
Establishments with 1,000 to 2,499 employees	-	8	8	D	D	D	D	D	D	D	D	D
Establishments with 2,500 employees or more	-	1	1	D	D	D	D	D	D	D	D	D
Administrative records ²	9	1 817	-	8 100	186 754	6 071	9 025	148 322	509 349	244 789	701 885	52 253
213. SUPPORT ACTIVITIES FOR MINING												
Total	1	9 340	1 496	168 806	5 866 097	133 047	272 827	4 616 460	16 079 177	7 256 568	19 898 686	3 437 059
Establishments with 0 to 4 employees	5	5 236	-	11 547	240 998	7 428	17 202	178 936	698 675	256 599	881 156	74 118
Establishments with 5 to 9 employees	3	1 470	-	9 771	269 946	7 413	13 423	205 215	667 581	279 138	862 423	84 296
Establishments with 10 to 19 employees	2	1 138	-	15 477	453 727	11 974	23 101	344 145	1 094 694	369 592	1 343 258	121 028
Establishments with 20 to 49 employees	2	906	906	27 484	849 771	21 641	42 839	650 577	1 995 833	1 082 928	2 709 825	368 936
Establishments with 50 to 99 employees	1	336	336	23 379	796 214	18 525	37 802	612 172	1 957 994	938 149	2 503 004	393 139
Establishments with 100 to 249 employees	1	181	181	25 336	894 772	20 656	43 470	707 489	2 035 369	903 669	2 555 924	383 114
Establishments with 250 to 499 employees	-	31	31	10 609	383 808	8 405	18 241	298 683	1 046 767	372 334	1 189 555	229 546
Establishments with 500 to 999 employees	-	26	26	18 372	930 014	14 006	25 871	731 230	2 808 766	1 287 247	3 288 150	807 863
Establishments with 1,000 to 2,499 employees	-	14	14	D	D	D	D	D	D	D	D	D
Establishments with 2,500 employees or more	-	2	2	D	D	D	D	D	D	D	D	D
Administrative records ²	9	4 166	-	12 265	236 192	8 031	12 232	173 272	472 756	151 131	588 873	35 014

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1-10 to 19 percent; 2-20 to 29 percent; 3-30 to 39 percent; 4-40 to 49 percent; 5-50 to 59 percent; 6-60 to 69 percent; 7-70 to 79 percent; 8-80 to 89 percent; 9-90 percent or more.

²Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Table 1-5. Industry Statistics by Type of Operation: 1997

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

Industry and type of operation	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	
21. MINING								
Total	25 000	4 607	509 006	20 798 257	389 232	808 519	15 316 635	133 635 967
Producing establishments	24 539	4 560	504 301	20 580 452	386 986	804 638	15 224 138	133 626 966
Mines or wells only	9 071	1 132	134 979	6 221 496	90 054	178 480	3 874 529	81 712 363
Underground mines	471	227	D	D	D	D	D	D
Open-pit mines	995	204	18 295	638 635	15 361	29 562	536 179	2 287 592
Combination mines, well operations, or other types of mines	7 605	701	D	D	D	D	D	D
Mines with preparation plants	4 001	1 541	172 278	7 338 653	141 347	307 663	5 805 532	28 487 755
Underground mines	241	212	43 449	2 084 114	36 922	79 423	1 715 597	7 775 319
Open-pit mines	3 609	1 237	112 217	4 519 011	90 042	197 543	3 473 388	18 341 647
Combination or other types of mines	151	92	16 612	735 528	14 383	30 697	616 547	2 370 789
Separately operated preparation plants	680	235	D	D	D	D	D	D
Undistributed ¹	10 787	1 652	D	D	D	D	D	D
Nonproducing establishments	461	47	4 705	217 805	2 246	3 881	92 497	9 001

See footnotes at end of table.

Table 1-5. Industry Statistics by Type of Operation: 1997—Con.

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

Industry and type of operation	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	
211, OIL & GAS EXTRACTION								
Total	8 312	873	110 881	5 510 560	67 197	135 598	3 172 641	82 349 922
Producing establishments	8 087	845	107 925	5 366 938	66 155	133 678	3 126 389	82 341 274
Mines or wells only	7 577	685	97 519	4 832 067	57 390	115 116	2 675 154	77 197 500
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	—	—	—	—	—	—	—	—
Combination mines, well operations, or other types of mines	7 577	685	97 519	4 832 067	57 390	115 116	2 675 154	77 197 500
Mines with preparation plants	—	—	—	—	—	—	—	—
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	—	—	—	—	—	—	—	—
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	510	160	10 406	534 871	8 765	18 562	451 235	5 143 774
Undistributed ¹	—	—	—	—	—	—	—	—
Nonproducing establishments	225	28	2 956	143 622	1 042	1 920	46 252	8 648
212, MINING (EXCEPT OIL & GAS)								
Total	7 348	2 238	229 319	9 421 600	188 988	400 094	7 527 534	35 206 868
Producing establishments	7 112	2 219	227 570	9 347 417	187 784	398 133	7 481 289	35 206 515
Mines or wells only	1 494	447	37 460	1 389 429	32 664	63 364	1 199 375	4 514 863
Underground mines	471	227	D	D	D	D	D	D
Open-pit mines	995	204	18 295	638 635	15 361	29 562	536 179	2 287 592
Combination mines, well operations, or other types of mines	28	16	D	D	D	D	D	D
Mines with preparation plants	4 001	1 541	172 278	7 338 653	141 347	307 663	5 805 532	28 487 755
Underground mines	241	212	43 449	2 084 114	36 922	79 423	1 715 597	7 775 319
Open-pit mines	3 609	1 237	112 217	4 519 011	90 042	197 543	3 473 388	18 341 647
Combination or other types of mines	151	92	16 612	735 528	14 383	30 697	616 547	2 370 789
Separately operated preparation plants	170	75	D	D	D	D	D	D
Undistributed ¹	1 447	156	D	D	D	D	D	D
Nonproducing establishments	236	19	1 749	74 183	1 204	1 961	46 245	353
213, SUPPORT ACTIVITIES FOR MINING								
Total	9 340	1 496	168 806	5 866 097	133 047	272 827	4 616 460	16 079 177
Producing establishments	9 340	1 496	168 806	5 866 097	133 047	272 827	4 616 460	16 079 177
Mines or wells only	—	—	—	—	—	—	—	—
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	—	—	—	—	—	—	—	—
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	—	—	—	—	—	—	—	—
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	—	—	—	—	—	—	—	—
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	—	—	—	—	—	—	—	—
Undistributed ¹	9 340	1 496	168 806	5 866 097	133 047	272 827	4 616 460	16 079 177
Nonproducing establishments	—	—	—	—	—	—	—	—

¹Includes data for establishments that were not possible to classify based on information available.

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
UNITED STATES		ALABAMA—Con.	
Companies ¹	number.. 19 985	Total rental payments during year	\$1,000.. 44 748
All establishments	number.. 25 000	Rental payments for buildings and other structures	\$1,000.. 1 820
Establishments with 0 to 19 employees	number.. 20 393	Rental payments for machinery and equipment	\$1,000.. 42 928
Establishments with 20 to 99 employees	number.. 3 747	ALASKA	
Establishments with 100 employees or more	number.. 860	Companies ¹	number.. 127
All employees for pay period including March 12	number.. 509 006	All establishments	number.. 141
Annual payroll	\$1,000.. 20 798 257	Establishments with 0 to 19 employees	number.. 85
Annual fringe benefits not included in payroll	\$1,000.. 5 523 595	Establishments with 20 to 99 employees	number.. 31
Production, development, and exploration workers for pay period including March 12	number.. 389 232	Establishments with 100 employees or more	number.. 25
Production, development, and exploration worker annual hours	1,000.. 808 519	All employees for pay period including March 12	number.. 10 137
Production, development, and exploration worker annual wages	\$1,000.. 15 316 635	Annual payroll	\$1,000.. 672 190
Total cost of supplies	\$1,000.. 71 403 716	Annual fringe benefits not included in payroll	\$1,000.. 136 991
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 51 383 521	Production, development, and exploration workers for pay period including March 12	number.. 7 585
Cost of resales	\$1,000.. 892 570	Production, development, and exploration worker annual hours	1,000.. 16 638
Cost of purchased fuels consumed	\$1,000.. 3 208 376	Production, development, and exploration worker annual wages	\$1,000.. 515 611
Cost of purchased electricity	\$1,000.. 3 953 056	Total cost of supplies	\$1,000.. 2 283 698
Cost of contract work	\$1,000.. 11 966 193	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 1 134 768
Quantity of electricity purchased	1,000 kWh.. 80 149 784	Cost of resales	\$1,000.. 4 169
Quantity of electricity generated less sold	1,000 kWh.. 5 244 076	Cost of purchased fuels consumed	\$1,000.. 72 210
Cost of purchased communications services	\$1,000.. 211 727	Cost of purchased electricity	\$1,000.. 24 539
Total value of shipments and receipts	\$1,000.. 173 985 314	Cost of contract work	\$1,000.. 1 048 012
Value of resales	\$1,000.. 1 191 462	Quantity of electricity purchased	1,000 kWh.. 359 262
Value added by mining	\$1,000.. 133 635 967	Quantity of electricity generated less sold	1,000 kWh.. 1 979 332
Total inventories, end of 1996	\$1,000.. 7 397 054	Cost of purchased communications services	\$1,000.. 10 093
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 3 891 065	Total value of shipments and receipts	\$1,000.. 10 091 230
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 3 505 989	Value of resales	\$1,000.. 7 286
Total inventories, end of 1997	\$1,000.. 7 695 920	Value added by mining	\$1,000.. 9 564 559
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 3 968 315	Total inventories, end of 1996	\$1,000.. 388 981
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 3 727 605	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 133 213
Capital expenditures (except land and mineral rights)	\$1,000.. 31 054 369	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 255 768
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 13 623 466	Total inventories, end of 1997	\$1,000.. 403 147
Capital expenditures for mineral exploration and development ²	\$1,000.. 17 430 903	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 125 115
Capital expenditures for mineral land and rights ³	\$1,000.. 500 441	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 278 032
Total rental payments during year	\$1,000.. 2 215 828	Capital expenditures (except land and mineral rights)	\$1,000.. 1 757 027
Rental payments for buildings and other structures	\$1,000.. 467 060	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 1 283 288
Rental payments for machinery and equipment	\$1,000.. 1 748 768	Capital expenditures for mineral exploration and development ²	\$1,000.. 473 739
ALABAMA		Capital expenditures for mineral land and rights ³	\$1,000.. D
Companies ¹	number.. 243	Total rental payments during year	\$1,000.. 73 579
All establishments	number.. 291	Rental payments for buildings and other structures	\$1,000.. 19 089
Establishments with 0 to 19 employees	number.. 207	Rental payments for machinery and equipment	\$1,000.. 54 490
Establishments with 20 to 99 employees	number.. 68	ARIZONA	
Establishments with 100 employees or more	number.. 16	Companies ¹	number.. 179
All employees for pay period including March 12	number.. 9 066	All establishments	number.. 206
Annual payroll	\$1,000.. 370 711	Establishments with 0 to 19 employees	number.. 157
Annual fringe benefits not included in payroll	\$1,000.. 115 995	Establishments with 20 to 99 employees	number.. 35
Production, development, and exploration workers for pay period including March 12	number.. 7 421	Establishments with 100 employees or more	number.. 14
Production, development, and exploration worker annual hours	1,000.. 15 155	All employees for pay period including March 12	number.. 12 889
Production, development, and exploration worker annual wages	\$1,000.. 292 111	Annual payroll	\$1,000.. 510 000
Total cost of supplies	\$1,000.. 651 683	Annual fringe benefits not included in payroll	\$1,000.. 168 534
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 489 910	Production, development, and exploration workers for pay period including March 12	number.. 10 699
Cost of resales	\$1,000.. 3 476	Production, development, and exploration worker annual hours	1,000.. 23 994
Cost of purchased fuels consumed	\$1,000.. 32 756	Production, development, and exploration worker annual wages	\$1,000.. 409 058
Cost of purchased electricity	\$1,000.. 63 633	Total cost of supplies	\$1,000.. 1 230 109
Cost of contract work	\$1,000.. 61 908	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 759 653
Quantity of electricity purchased	1,000 kWh.. 1 512 041	Cost of resales	\$1,000.. 12 144
Quantity of electricity generated less sold	1,000 kWh.. D	Cost of purchased fuels consumed	\$1,000.. 80 491
Cost of purchased communications services	\$1,000.. 2 040	Cost of purchased electricity	\$1,000.. 231 234
Total value of shipments and receipts	\$1,000.. 2 239 945	Cost of contract work	\$1,000.. 146 587
Value of resales	\$1,000.. 4 596	Quantity of electricity purchased	1,000 kWh.. 5 078 912
Value added by mining	\$1,000.. 1 774 858	Quantity of electricity generated less sold	1,000 kWh.. D
Total inventories, end of 1996	\$1,000.. 124 032	Cost of purchased communications services	\$1,000.. 2 284
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 80 776	Total value of shipments and receipts	\$1,000.. 3 068 897
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 43 256	Value of resales	\$1,000.. 12 804
Total inventories, end of 1997	\$1,000.. 129 525	Value added by mining	\$1,000.. 2 170 755
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 87 644	Total inventories, end of 1996	\$1,000.. 317 953
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 41 881	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 220 354
Capital expenditures (except land and mineral rights)	\$1,000.. 186 596	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 97 599
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 143 383	Total inventories, end of 1997	\$1,000.. 297 889
Capital expenditures for mineral exploration and development ²	\$1,000.. 43 213	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 200 304
Capital expenditures for mineral land and rights ³	\$1,000.. 4 294	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 97 585

See footnotes at end of table.

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
ARIZONA—Con.		CALIFORNIA—Con.	
Capital expenditures (except land and mineral rights)	\$1,000.. 331 967	Total inventories, end of 1997	\$1,000.. 369 982
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 239 355	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 230 877
Capital expenditures for mineral exploration and development ²	\$1,000.. 92 612	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 139 105
Capital expenditures for mineral land and rights ³	\$1,000.. 21 603	Capital expenditures (except land and mineral rights)	\$1,000.. 1 112 287
Total rental payments during year	\$1,000.. 27 597	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 535 042
Rental payments for buildings and other structures	\$1,000.. 2 043	Capital expenditures for mineral exploration and development ²	\$1,000.. 577 245
Rental payments for machinery and equipment	\$1,000.. 25 554	Capital expenditures for mineral land and rights ³	\$1,000.. 20 188
ARKANSAS		Total rental payments during year	\$1,000.. 87 119
Companies ¹	number.. 291	Rental payments for buildings and other structures	\$1,000.. 22 074
All establishments	number.. 307	Rental payments for machinery and equipment	\$1,000.. 65 045
Establishments with 0 to 19 employees	number.. 264	COLORADO	
Establishments with 20 to 99 employees	number.. 38	Companies ¹	number.. 833
Establishments with 100 employees or more	number.. 5	All establishments	number.. 885
All employees for pay period including March 12	number.. 3 250	Establishments with 0 to 19 employees	number.. 778
Annual payroll	\$1,000.. 97 936	Establishments with 20 to 99 employees	number.. 89
Annual fringe benefits not included in payroll	\$1,000.. 25 117	Establishments with 100 employees or more	number.. 18
Production, development, and exploration workers for pay period including March 12	number.. 2 602	All employees for pay period including March 12	number.. 12 263
Production, development, and exploration worker annual hours	1,000.. 5 473	Annual payroll	\$1,000.. 522 374
Production, development, and exploration worker annual wages	\$1,000.. 74 996	Annual fringe benefits not included in payroll	\$1,000.. 119 643
Total cost of supplies	\$1,000.. 198 367	Production, development, and exploration workers for pay period including March 12	number.. 7 881
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 126 351	Production, development, and exploration worker annual hours	1,000.. 16 173
Cost of resales	\$1,000.. 1 586	Production, development, and exploration worker annual wages	\$1,000.. 334 134
Cost of purchased fuels consumed	\$1,000.. 17 788	Total cost of supplies	\$1,000.. 1 270 054
Cost of purchased electricity	\$1,000.. 16 718	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 865 389
Cost of contract work	\$1,000.. 35 924	Cost of resales	\$1,000.. 31 723
Quantity of electricity purchased	1,000 kWh.. 313 208	Cost of purchased fuels consumed	\$1,000.. 63 534
Quantity of electricity generated less sold	1,000 kWh.. 97	Cost of purchased electricity	\$1,000.. 103 213
Cost of purchased communications services	\$1,000.. 925	Cost of contract work	\$1,000.. 206 195
Total value of shipments and receipts	\$1,000.. 793 742	Quantity of electricity purchased	1,000 kWh.. 2 129 790
Value of resales	\$1,000.. 2 246	Quantity of electricity generated less sold	1,000 kWh.. D
Value added by mining	\$1,000.. 704 404	Cost of purchased communications services	\$1,000.. 5 540
Total inventories, end of 1996	\$1,000.. 39 253	Total value of shipments and receipts	\$1,000.. 3 578 228
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 25 926	Value of resales	\$1,000.. 41 940
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 13 327	Value added by mining	\$1,000.. 2 872 279
Total inventories, end of 1997	\$1,000.. 44 416	Total inventories, end of 1996	\$1,000.. 146 833
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 29 848	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 68 071
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 14 568	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 78 762
Capital expenditures (except land and mineral rights)	\$1,000.. 109 029	Total inventories, end of 1997	\$1,000.. 169 884
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 57 674	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 82 854
Capital expenditures for mineral exploration and development ²	\$1,000.. 51 355	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 87 030
Capital expenditures for mineral land and rights ³	\$1,000.. 1 356	Capital expenditures (except land and mineral rights)	\$1,000.. 564 105
Total rental payments during year	\$1,000.. 12 935	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 276 641
Rental payments for buildings and other structures	\$1,000.. 968	Capital expenditures for mineral exploration and development ²	\$1,000.. 287 464
Rental payments for machinery and equipment	\$1,000.. 11 967	Capital expenditures for mineral land and rights ³	\$1,000.. 19 064
CALIFORNIA		Total rental payments during year	\$1,000.. 37 371
Companies ¹	number.. 773	Rental payments for buildings and other structures	\$1,000.. 9 988
All establishments	number.. 910	Rental payments for machinery and equipment	\$1,000.. 27 383
Establishments with 0 to 19 employees	number.. 684	CONNECTICUT	
Establishments with 20 to 99 employees	number.. 173	Companies ¹	number.. 52
Establishments with 100 employees or more	number.. 53	All establishments	number.. 62
All employees for pay period including March 12	number.. 22 110	Establishments with 0 to 19 employees	number.. 53
Annual payroll	\$1,000.. 944 705	Establishments with 20 to 99 employees	number.. 9
Annual fringe benefits not included in payroll	\$1,000.. 220 030	Establishments with 100 employees or more	number.. —
Production, development, and exploration workers for pay period including March 12	number.. 16 908	All employees for pay period including March 12	number.. 626
Production, development, and exploration worker annual hours	1,000.. 34 647	Annual payroll	\$1,000.. 26 722
Production, development, and exploration worker annual wages	\$1,000.. 677 797	Annual fringe benefits not included in payroll	\$1,000.. 7 898
Total cost of supplies	\$1,000.. 4 103 317	Production, development, and exploration workers for pay period including March 12	number.. 467
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 2 238 612	Production, development, and exploration worker annual hours	1,000.. 972
Cost of resales	\$1,000.. 31 867	Production, development, and exploration worker annual wages	\$1,000.. 19 108
Cost of purchased fuels consumed	\$1,000.. 594 549	Total cost of supplies	\$1,000.. 34 744
Cost of purchased electricity	\$1,000.. 217 455	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 21 612
Cost of contract work	\$1,000.. 1 020 834	Cost of resales	\$1,000.. 750
Quantity of electricity purchased	1,000 kWh.. 3 129 240	Cost of purchased fuels consumed	\$1,000.. 4 334
Quantity of electricity generated less sold	1,000 kWh.. 1 561 697	Cost of purchased electricity	\$1,000.. 5 631
Cost of purchased communications services	\$1,000.. 13 301	Cost of contract work	\$1,000.. 2 417
Total value of shipments and receipts	\$1,000.. 10 487 924	Quantity of electricity purchased	1,000 kWh.. 63 379
Value of resales	\$1,000.. 37 691	Quantity of electricity generated less sold	1,000 kWh.. —
Value added by mining	\$1,000.. 7 496 894	Cost of purchased communications services	\$1,000.. 77
Total inventories, end of 1996	\$1,000.. 368 172	Total value of shipments and receipts	\$1,000.. 133 409
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 227 129	Value of resales	\$1,000.. 770
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 141 043	Value added by mining	\$1,000.. 105 029

See footnotes at end of table.

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
CONNECTICUT—Con.		FLORIDA—Con.	
Total inventories, end of 1996	\$1,000.. 17 952	Total value of shipments and receipts	\$1,000.. 1 437 805
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 16 120	Value of resales	\$1,000.. 5 663
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 1 832	Value added by mining	\$1,000.. 1 008 554
Total inventories, end of 1997	\$1,000.. 17 259	Total inventories, end of 1996	\$1,000.. 184 139
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 16 116	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 142 650
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 1 143	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 41 489
Capital expenditures (except land and mineral rights)	\$1,000.. 6 364	Total inventories, end of 1997	\$1,000.. 205 971
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. D	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 163 697
Capital expenditures for mineral exploration and development ²	\$1,000.. D	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 42 274
Capital expenditures for mineral land and rights ³	\$1,000.. 199	Capital expenditures (except land and mineral rights)	\$1,000.. 202 236
Total rental payments during year	\$1,000.. 3 750	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 146 923
Rental payments for buildings and other structures	\$1,000.. 235	Capital expenditures for mineral exploration and development ²	\$1,000.. 55 313
Rental payments for machinery and equipment	\$1,000.. 3 515	Capital expenditures for mineral land and rights ³	\$1,000.. 7 420
DELAWARE AND DISTRICT OF COLUMBIA		Total rental payments during year	\$1,000.. 35 754
Companies ¹	number.. 7	Rental payments for buildings and other structures	\$1,000.. 2 638
All establishments	number.. 11	Rental payments for machinery and equipment	\$1,000.. 33 116
Establishments with 0 to 19 employees	number.. 10	GEORGIA	
Establishments with 20 to 99 employees	number.. 1	Companies ¹	number.. 134
Establishments with 100 employees or more	number.. —	All establishments	number.. 205
All employees for pay period including March 12	number.. 107	Establishments with 0 to 19 employees	number.. 129
Annual payroll	\$1,000.. 3 725	Establishments with 20 to 99 employees	number.. 63
Annual fringe benefits not included in payroll	\$1,000.. 964	Establishments with 100 employees or more	number.. 13
Production, development, and exploration workers for pay period including March 12	number.. 90	All employees for pay period including March 12	number.. 6 354
Production, development, and exploration worker annual hours	1,000.. 182	Annual payroll	\$1,000.. 233 362
Production, development, and exploration worker annual wages	\$1,000.. 3 063	Annual fringe benefits not included in payroll	\$1,000.. 70 270
Total cost of supplies	\$1,000.. 6 964	Production, development, and exploration workers for pay period including March 12	number.. 4 984
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 1 837	Production, development, and exploration worker annual hours	1,000.. 10 993
Cost of resales	\$1,000.. —	Production, development, and exploration worker annual wages	\$1,000.. 169 103
Cost of purchased fuels consumed	\$1,000.. 1 040	Total cost of supplies	\$1,000.. 547 237
Cost of purchased electricity	\$1,000.. 13 132	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 335 664
Cost of contract work	\$1,000.. D	Cost of resales	\$1,000.. 3 368
Quantity of electricity purchased	1,000 kWh.. 17 377	Cost of purchased fuels consumed	\$1,000.. 68 503
Quantity of electricity generated less sold	1,000 kWh.. —	Cost of purchased electricity	\$1,000.. 63 797
Cost of purchased communications services	\$1,000.. D	Cost of contract work	\$1,000.. 75 905
Total value of shipments and receipts	\$1,000.. 17 377	Quantity of electricity purchased	1,000 kWh.. 1 430 547
Value of resales	\$1,000.. —	Quantity of electricity generated less sold	1,000 kWh.. —
Value added by mining	\$1,000.. 14 668	Cost of purchased communications services	\$1,000.. 2 242
Total inventories, end of 1996	\$1,000.. 2 523	Total value of shipments and receipts	\$1,000.. 1 441 860
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 2 192	Value of resales	\$1,000.. 3 764
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 331	Value added by mining	\$1,000.. 1 023 980
Total inventories, end of 1997	\$1,000.. 2 034	Total inventories, end of 1996	\$1,000.. 158 595
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 1 463	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 130 132
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 571	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 28 463
Capital expenditures (except land and mineral rights)	\$1,000.. 4 255	Total inventories, end of 1997	\$1,000.. 169 959
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 4 255	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 138 489
Capital expenditures for mineral exploration and development ²	\$1,000.. —	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 31 470
Capital expenditures for mineral land and rights ³	\$1,000.. 29	Capital expenditures (except land and mineral rights)	\$1,000.. 129 357
Total rental payments during year	\$1,000.. D	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 127 859
Rental payments for buildings and other structures	\$1,000.. 18	Capital expenditures for mineral exploration and development ²	\$1,000.. 1 498
Rental payments for machinery and equipment	\$1,000.. D	Capital expenditures for mineral land and rights ³	\$1,000.. 12 685
FLORIDA		Total rental payments during year	\$1,000.. 10 445
Companies ¹	number.. 188	Rental payments for buildings and other structures	\$1,000.. 1 451
All establishments	number.. 225	Rental payments for machinery and equipment	\$1,000.. 8 994
Establishments with 0 to 19 employees	number.. 170	HAWAII	
Establishments with 20 to 99 employees	number.. 39	Companies ¹	number.. 6
Establishments with 100 employees or more	number.. 16	All establishments	number.. 7
All employees for pay period including March 12	number.. 6 688	Establishments with 0 to 19 employees	number.. 5
Annual payroll	\$1,000.. 248 626	Establishments with 20 to 99 employees	number.. 2
Annual fringe benefits not included in payroll	\$1,000.. 65 738	Establishments with 100 employees or more	number.. —
Production, development, and exploration workers for pay period including March 12	number.. 5 424	All employees for pay period including March 12	number.. 120
Production, development, and exploration worker annual hours	1,000.. 11 996	Annual payroll	\$1,000.. 5 555
Production, development, and exploration worker annual wages	\$1,000.. 185 773	Annual fringe benefits not included in payroll	\$1,000.. 1 669
Total cost of supplies	\$1,000.. 631 487	Production, development, and exploration workers for pay period including March 12	number.. 100
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 383 524	Production, development, and exploration worker annual hours	1,000.. 174
Cost of resales	\$1,000.. 5 859	Production, development, and exploration worker annual wages	\$1,000.. 4 666
Cost of purchased fuels consumed	\$1,000.. 30 360	Total cost of supplies	\$1,000.. D
Cost of purchased electricity	\$1,000.. 133 057	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 8 937
Cost of contract work	\$1,000.. 78 687	Cost of resales	\$1,000.. D
Quantity of electricity purchased	1,000 kWh.. 2 970 058	Cost of purchased fuels consumed	\$1,000.. 1 153
Quantity of electricity generated less sold	1,000 kWh.. D	Cost of purchased electricity	\$1,000.. 1 649
Cost of purchased communications services	\$1,000.. 3 528	Cost of contract work	\$1,000.. D

See footnotes at end of table.

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
HAWAII—Con.		ILLINOIS—Con.	
Quantity of electricity purchased 1,000 kWh..	16 099	Total cost of supplies \$1,000..	805 621
Quantity of electricity generated less sold 1,000 kWh..	D	Cost of supplies used, minerals received, and purchased machinery installed \$1,000..	597 152
Cost of purchased communications services \$1,000..	D	Cost of resales \$1,000..	12 982
Total value of shipments and receipts \$1,000..	33 288	Cost of purchased fuels consumed \$1,000..	41 122
Value of resales \$1,000..	D	Cost of purchased electricity \$1,000..	77 288
Value added by mining \$1,000..	21 980	Cost of contract work \$1,000..	77 077
Total inventories, end of 1996 \$1,000..	5 338	Quantity of electricity purchased 1,000 kWh..	1 322 372
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996 \$1,000..	4 801	Quantity of electricity generated less sold 1,000 kWh..	D
Supplies, parts, fuels, etc., inventories, end of 1996 \$1,000..	537	Cost of purchased communications services \$1,000..	2 064
Total inventories, end of 1997 \$1,000..	4 819	Total value of shipments and receipts \$1,000..	1 999 460
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997 \$1,000..	4 296	Value of resales \$1,000..	14 900
Supplies, parts, fuels, etc., inventories, end of 1997 \$1,000..	523	Value added by mining \$1,000..	1 380 726
Capital expenditures (except land and mineral rights) \$1,000..	D	Total inventories, end of 1996 \$1,000..	158 573
Capital expenditures for buildings, structures, machinery, and equipment (new and used) \$1,000..	D	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996 \$1,000..	104 432
Capital expenditures for mineral exploration and development ² \$1,000..	D	Supplies, parts, fuels, etc., inventories, end of 1996 \$1,000..	54 141
Capital expenditures for mineral land and rights ³ \$1,000..	D	Total inventories, end of 1997 \$1,000..	149 319
Total rental payments during year \$1,000..	1 382	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997 \$1,000..	100 499
Rental payments for buildings and other structures \$1,000..	D	Supplies, parts, fuels, etc., inventories, end of 1997 \$1,000..	48 820
Rental payments for machinery and equipment \$1,000..	D	Capital expenditures (except land and mineral rights) \$1,000..	186 887
		Capital expenditures for buildings, structures, machinery, and equipment (new and used) \$1,000..	145 320
		Capital expenditures for mineral exploration and development ² \$1,000..	41 567
		Capital expenditures for mineral land and rights ³ \$1,000..	10 041
		Total rental payments during year \$1,000..	22 110
		Rental payments for buildings and other structures \$1,000..	2 929
		Rental payments for machinery and equipment \$1,000..	19 181
IDAHO		INDIANA	
Companies ¹ number..	114	Companies ¹ number..	238
All establishments number..	118	All establishments number..	347
Establishments with 0 to 19 employees number..	91	Establishments with 0 to 19 employees number..	286
Establishments with 20 to 99 employees number..	17	Establishments with 20 to 99 employees number..	49
Establishments with 100 employees or more number..	10	Establishments with 100 employees or more number..	12
All employees for pay period including March 12 number..	3 021	All employees for pay period including March 12 number..	6 007
Annual payroll \$1,000..	117 563	Annual payroll \$1,000..	241 279
Annual fringe benefits not included in payroll \$1,000..	31 008	Annual fringe benefits not included in payroll \$1,000..	63 888
Production, development, and exploration workers for pay period including March 12 number..	2 418	Production, development, and exploration workers for pay period including March 12 number..	5 013
Production, development, and exploration worker annual hours 1,000..	4 722	Production, development, and exploration worker annual hours 1,000..	11 333
Production, development, and exploration worker annual wages \$1,000..	89 207	Production, development, and exploration worker annual wages \$1,000..	200 423
Total cost of supplies \$1,000..	208 534	Total cost of supplies \$1,000..	401 280
Cost of supplies used, minerals received, and purchased machinery installed \$1,000..	128 226	Cost of supplies used, minerals received, and purchased machinery installed \$1,000..	289 207
Cost of resales \$1,000..	96	Cost of resales \$1,000..	4 674
Cost of purchased fuels consumed \$1,000..	18 291	Cost of purchased fuels consumed \$1,000..	38 564
Cost of purchased electricity \$1,000..	21 038	Cost of purchased electricity \$1,000..	30 167
Cost of contract work \$1,000..	40 883	Cost of contract work \$1,000..	38 668
Quantity of electricity purchased 1,000 kWh..	638 209	Quantity of electricity purchased 1,000 kWh..	706 425
Quantity of electricity generated less sold 1,000 kWh..	D	Quantity of electricity generated less sold 1,000 kWh..	D
Cost of purchased communications services \$1,000..	670	Cost of purchased communications services \$1,000..	1 209
Total value of shipments and receipts \$1,000..	449 008	Total value of shipments and receipts \$1,000..	1 085 458
Value of resales \$1,000..	104	Value of resales \$1,000..	5 227
Value added by mining \$1,000..	291 008	Value added by mining \$1,000..	794 724
Total inventories, end of 1996 \$1,000..	44 518	Total inventories, end of 1996 \$1,000..	85 150
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996 \$1,000..	26 366	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996 \$1,000..	58 372
Supplies, parts, fuels, etc., inventories, end of 1996 \$1,000..	18 152	Supplies, parts, fuels, etc., inventories, end of 1996 \$1,000..	26 778
Total inventories, end of 1997 \$1,000..	52 590	Total inventories, end of 1997 \$1,000..	92 016
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997 \$1,000..	30 321	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997 \$1,000..	60 706
Supplies, parts, fuels, etc., inventories, end of 1997 \$1,000..	22 269	Supplies, parts, fuels, etc., inventories, end of 1997 \$1,000..	31 310
Capital expenditures (except land and mineral rights) \$1,000..	50 534	Capital expenditures (except land and mineral rights) \$1,000..	110 546
Capital expenditures for buildings, structures, machinery, and equipment (new and used) \$1,000..	D	Capital expenditures for buildings, structures, machinery, and equipment (new and used) \$1,000..	100 003
Capital expenditures for mineral exploration and development ² \$1,000..	D	Capital expenditures for mineral exploration and development ² \$1,000..	10 543
Capital expenditures for mineral land and rights ³ \$1,000..	1 079	Capital expenditures for mineral land and rights ³ \$1,000..	13 754
Total rental payments during year \$1,000..	12 598	Total rental payments during year \$1,000..	32 138
Rental payments for buildings and other structures \$1,000..	336	Rental payments for buildings and other structures \$1,000..	2 531
Rental payments for machinery and equipment \$1,000..	12 262	Rental payments for machinery and equipment \$1,000..	29 607
ILLINOIS		IOWA	
Companies ¹ number..	549	Companies ¹ number..	64
All establishments number..	650	All establishments number..	177
Establishments with 0 to 19 employees number..	556	Establishments with 0 to 19 employees number..	153
Establishments with 20 to 99 employees number..	72	Establishments with 20 to 99 employees number..	23
Establishments with 100 employees or more number..	22	Establishments with 100 employees or more number..	1
All employees for pay period including March 12 number..	10 798	All employees for pay period including March 12 number..	1 700
Annual payroll \$1,000..	437 469	Annual payroll \$1,000..	55 440
Annual fringe benefits not included in payroll \$1,000..	144 655	Annual fringe benefits not included in payroll \$1,000..	10 842
Production, development, and exploration workers for pay period including March 12 number..	8 557	Production, development, and exploration workers for pay period including March 12 number..	1 428
Production, development, and exploration worker annual hours 1,000..	17 252	Production, development, and exploration worker annual hours 1,000..	
Production, development, and exploration worker annual wages \$1,000..	339 108	Production, development, and exploration worker annual wages \$1,000..	

See footnotes at end of table.

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
IOWA—Con.		KENTUCKY	
Production, development, and exploration worker annual hours	1,000.. 2 867	Companies ¹	number.. 584
Production, development, and exploration worker annual wages	\$1,000.. 45 538	All establishments	number.. 691
Total cost of supplies	\$1,000.. 93 469	Establishments with 0 to 19 employees	number.. 430
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 62 169	Establishments with 20 to 99 employees	number.. 210
Cost of resales	\$1,000.. 7 756	Establishments with 100 employees or more	number.. 51
Cost of purchased fuels consumed	\$1,000.. 11 229	All employees for pay period including March 12	number.. 22 400
Cost of purchased electricity	\$1,000.. 5 772	Annual payroll	\$1,000.. 832 468
Cost of contract work	\$1,000.. 6 543	Annual fringe benefits not included in payroll	\$1,000.. 270 919
Quantity of electricity purchased	1,000 kWh.. 129 373	Production, development, and exploration workers for pay period including March 12	number.. 19 413
Quantity of electricity generated less sold	1,000 kWh.. D	Production, development, and exploration worker annual hours	1,000.. 40 511
Cost of purchased communications services	\$1,000.. 501	Production, development, and exploration worker annual wages	\$1,000.. 717 793
Total value of shipments and receipts	\$1,000.. 287 431	Total cost of supplies	\$1,000.. 2 460 986
Value of resales	\$1,000.. 7 889	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 1 800 554
Value added by mining	\$1,000.. 217 107	Cost of resales	\$1,000.. 35 981
Total inventories, end of 1996	\$1,000.. 41 670	Cost of purchased fuels consumed	\$1,000.. 105 912
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 39 147	Cost of purchased electricity	\$1,000.. 81 341
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 2 523	Cost of contract work	\$1,000.. 437 198
Total inventories, end of 1997	\$1,000.. 39 729	Quantity of electricity purchased	1,000 kWh.. 2 029 439
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 37 257	Quantity of electricity generated less sold	1,000 kWh.. D
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 2 472	Cost of purchased communications services	\$1,000.. 4 274
Capital expenditures (except land and mineral rights)	\$1,000.. 23 145	Total value of shipments and receipts	\$1,000.. 5 324 568
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 22 996	Value of resales	\$1,000.. 43 172
Capital expenditures for mineral exploration and development ²	\$1,000.. 149	Value added by mining	\$1,000.. 3 297 393
Capital expenditures for mineral land and rights ³	\$1,000.. 1 350	Total inventories, end of 1996	\$1,000.. 242 198
Total rental payments during year	\$1,000.. 9 527	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 137 645
Rental payments for buildings and other structures	\$1,000.. 510	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 104 553
Rental payments for machinery and equipment	\$1,000.. 9 017	Total inventories, end of 1997	\$1,000.. 247 524
KANSAS		Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 144 871
Companies ¹	number.. 964	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 102 653
All establishments	number.. 1 026	Capital expenditures (except land and mineral rights)	\$1,000.. 433 811
Establishments with 0 to 19 employees	number.. 937	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 368 252
Establishments with 20 to 99 employees	number.. 79	Capital expenditures for mineral exploration and development ²	\$1,000.. 65 559
Establishments with 100 employees or more	number.. 10	Capital expenditures for mineral land and rights ³	\$1,000.. 14 169
All employees for pay period including March 12	number.. 7 998	Total rental payments during year	\$1,000.. 88 635
Annual payroll	\$1,000.. 244 526	Rental payments for buildings and other structures	\$1,000.. 3 325
Annual fringe benefits not included in payroll	\$1,000.. 51 417	Rental payments for machinery and equipment	\$1,000.. 85 310
Production, development, and exploration workers for pay period including March 12	number.. 5 993	LOUISIANA	
Production, development, and exploration worker annual hours	1,000.. 11 554	Companies ¹	number.. 1 346
Production, development, and exploration worker annual wages	\$1,000.. 174 106	All establishments	number.. 1 608
Total cost of supplies	\$1,000.. 1 283 676	Establishments with 0 to 19 employees	number.. 1 217
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 1 079 526	Establishments with 20 to 99 employees	number.. 293
Cost of resales	\$1,000.. 12 331	Establishments with 100 employees or more	number.. 98
Cost of purchased fuels consumed	\$1,000.. 41 399	All employees for pay period including March 12	number.. 52 816
Cost of purchased electricity	\$1,000.. 40 505	Annual payroll	\$1,000.. 2 302 325
Cost of contract work	\$1,000.. 109 915	Annual fringe benefits not included in payroll	\$1,000.. 528 001
Quantity of electricity purchased	1,000 kWh.. 651 437	Production, development, and exploration workers for pay period including March 12	number.. 38 255
Quantity of electricity generated less sold	1,000 kWh.. D	Production, development, and exploration worker annual hours	1,000.. 83 281
Cost of purchased communications services	\$1,000.. 3 180	Production, development, and exploration worker annual wages	\$1,000.. 1 597 540
Total value of shipments and receipts	\$1,000.. 3 224 911	Total cost of supplies	\$1,000.. 12 045 254
Value of resales	\$1,000.. 14 672	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 8 473 927
Value added by mining	\$1,000.. 2 177 593	Cost of resales	\$1,000.. 167 872
Total inventories, end of 1996	\$1,000.. 69 866	Cost of purchased fuels consumed	\$1,000.. 252 394
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 34 725	Cost of purchased electricity	\$1,000.. 569 019
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 35 141	Cost of contract work	\$1,000.. 2 582 042
Total inventories, end of 1997	\$1,000.. 68 971	Quantity of electricity purchased	1,000 kWh.. 9 432 281
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 32 861	Quantity of electricity generated less sold	1,000 kWh.. 239 522
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 36 110	Cost of purchased communications services	\$1,000.. 31 529
Capital expenditures (except land and mineral rights)	\$1,000.. 236 358	Total value of shipments and receipts	\$1,000.. 27 309 828
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 85 239	Value of resales	\$1,000.. 217 515
Capital expenditures for mineral exploration and development ²	\$1,000.. 151 119	Value added by mining	\$1,000.. 21 889 018
Capital expenditures for mineral land and rights ³	\$1,000.. 416	Total inventories, end of 1996	\$1,000.. 445 319
Total rental payments during year	\$1,000.. 14 359	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 106 420
Rental payments for buildings and other structures	\$1,000.. 4 194	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 338 899
Rental payments for machinery and equipment	\$1,000.. 10 165	Total inventories, end of 1997	\$1,000.. 477 124
		Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 105 845
		Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 371 279
		Capital expenditures (except land and mineral rights)	\$1,000.. 6 624 444
		Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 1 940 568
		Capital expenditures for mineral exploration and development ²	\$1,000.. 4 683 876
		Capital expenditures for mineral land and rights ³	\$1,000.. 688

See footnotes at end of table.

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
LOUISIANA—Con.		MARYLAND—Con.	
Total rental payments during year	\$1,000.. 476 649	Capital expenditures (except land and mineral rights)	\$1,000.. 26 124
Rental payments for buildings and other structures	\$1,000.. 170 643	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 24 118
Rental payments for machinery and equipment	\$1,000.. 306 006	Capital expenditures for mineral exploration and development ²	\$1,000.. 2 006
MAINE		Capital expenditures for mineral land and rights ³	\$1,000.. 2 581
Companies ¹	number.. 21	Total rental payments during year	\$1,000.. 5 025
All establishments	number.. 21	Rental payments for buildings and other structures	\$1,000.. 776
Establishments with 0 to 19 employees	number.. 20	Rental payments for machinery and equipment	\$1,000.. 4 249
Establishments with 20 to 99 employees	number.. 1	MASSACHUSETTS	
Establishments with 100 employees or more	number.. —	Companies ¹	number.. 63
All employees for pay period including March 12	number.. 76	All establishments	number.. 72
Annual payroll	\$1,000.. 1 485	Establishments with 0 to 19 employees	number.. 55
Annual fringe benefits not included in payroll	\$1,000.. 312	Establishments with 20 to 99 employees	number.. 17
Production, development, and exploration workers for pay period including March 12	number.. 50	Establishments with 100 employees or more	number.. —
Production, development, and exploration worker annual hours	1,000.. 89	All employees for pay period including March 12	number.. 1 063
Production, development, and exploration worker annual wages	\$1,000.. 1 006	Annual payroll	\$1,000.. 41 808
Total cost of supplies	\$1,000.. D	Annual fringe benefits not included in payroll	\$1,000.. 10 266
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 638	Production, development, and exploration workers for pay period including March 12	number.. 704
Cost of resales	\$1,000.. D	Production, development, and exploration worker annual hours	1,000.. 1 474
Cost of purchased fuels consumed	\$1,000.. 221	Production, development, and exploration worker annual wages	\$1,000.. 27 263
Cost of purchased electricity	\$1,000.. 172	Total cost of supplies	\$1,000.. 62 281
Cost of contract work	\$1,000.. D	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 38 285
Quantity of electricity purchased	1,000 kWh.. 2 025	Cost of resales	\$1,000.. 4 191
Quantity of electricity generated less sold	1,000 kWh.. —	Cost of purchased fuels consumed	\$1,000.. 5 663
Cost of purchased communications services	\$1,000.. —	Cost of purchased electricity	\$1,000.. 6 934
Total value of shipments and receipts	\$1,000.. 4 946	Cost of contract work	\$1,000.. 7 208
Value of resales	\$1,000.. D	Quantity of electricity purchased	1,000 kWh.. 80 956
Value added by mining	\$1,000.. 4 449	Quantity of electricity generated less sold	1,000 kWh.. D
Total inventories, end of 1996	\$1,000.. 2 193	Cost of purchased communications services	\$1,000.. 231
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 2 112	Total value of shipments and receipts	\$1,000.. 153 347
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 81	Value of resales	\$1,000.. 5 165
Total inventories, end of 1997	\$1,000.. 2 191	Value added by mining	\$1,000.. 109 896
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 2 110	Total inventories, end of 1996	\$1,000.. 22 512
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 81	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 19 354
Capital expenditures (except land and mineral rights)	\$1,000.. D	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 3 158
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. D	Total inventories, end of 1997	\$1,000.. 21 640
Capital expenditures for mineral exploration and development ²	\$1,000.. D	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 18 810
Capital expenditures for mineral land and rights ³	\$1,000.. D	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 2 830
Total rental payments during year	\$1,000.. 403 D	Capital expenditures (except land and mineral rights)	\$1,000.. 18 830
Rental payments for buildings and other structures	\$1,000.. D	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. D
Rental payments for machinery and equipment	\$1,000.. D	Capital expenditures for mineral exploration and development ²	\$1,000.. D
MARYLAND		Capital expenditures for mineral land and rights ³	\$1,000.. 264
Companies ¹	number.. 73	Total rental payments during year	\$1,000.. 6 894
All establishments	number.. 93	Rental payments for buildings and other structures	\$1,000.. 593
Establishments with 0 to 19 employees	number.. 66	Rental payments for machinery and equipment	\$1,000.. 6 301
Establishments with 20 to 99 employees	number.. 25	MICHIGAN	
Establishments with 100 employees or more	number.. 2	Companies ¹	number.. 415
All employees for pay period including March 12	number.. 1 771	All establishments	number.. 445
Annual payroll	\$1,000.. 64 402	Establishments with 0 to 19 employees	number.. 386
Annual fringe benefits not included in payroll	\$1,000.. 19 684	Establishments with 20 to 99 employees	number.. 54
Production, development, and exploration workers for pay period including March 12	number.. 1 429	Establishments with 100 employees or more	number.. 5
Production, development, and exploration worker annual hours	1,000.. 3 062	All employees for pay period including March 12	number.. 6 687
Production, development, and exploration worker annual wages	\$1,000.. 51 505	Annual payroll	\$1,000.. 270 831
Total cost of supplies	\$1,000.. 120 326	Annual fringe benefits not included in payroll	\$1,000.. 88 322
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 76 203	Production, development, and exploration workers for pay period including March 12	number.. 5 030
Cost of resales	\$1,000.. 7 219	Production, development, and exploration worker annual hours	1,000.. 11 051
Cost of purchased fuels consumed	\$1,000.. 9 930	Production, development, and exploration worker annual wages	\$1,000.. 202 000
Cost of purchased electricity	\$1,000.. 12 192	Total cost of supplies	\$1,000.. 548 984
Cost of contract work	\$1,000.. 14 782	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 338 572
Quantity of electricity purchased	1,000 kWh.. 201 265	Cost of resales	\$1,000.. 8 882
Quantity of electricity generated less sold	1,000 kWh.. D	Cost of purchased fuels consumed	\$1,000.. 49 110
Cost of purchased communications services	\$1,000.. 332	Cost of purchased electricity	\$1,000.. 92 893
Total value of shipments and receipts	\$1,000.. 351 407	Cost of contract work	\$1,000.. 59 527
Value of resales	\$1,000.. 6 608	Quantity of electricity purchased	1,000 kWh.. 1 527 133
Value added by mining	\$1,000.. 257 205	Quantity of electricity generated less sold	1,000 kWh.. 18 833
Total inventories, end of 1996	\$1,000.. 42 372	Cost of purchased communications services	\$1,000.. 2 003
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 34 108	Total value of shipments and receipts	\$1,000.. 1 576 964
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 8 264	Value of resales	\$1,000.. 11 290
Total inventories, end of 1997	\$1,000.. 43 234	Value added by mining	\$1,000.. 1 182 305
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 35 828	Total inventories, end of 1996	\$1,000.. 130 788
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 7 406	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 75 207
		Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 55 581

See footnotes at end of table.

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
MICHIGAN—Con.		MISSISSIPPI—Con.	
Total inventories, end of 1997	\$1,000.. 126 850	Total inventories, end of 1996	\$1,000.. 34 966
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 73 971	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 15 690
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 52 879	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 19 276
Capital expenditures (except land and mineral rights)	\$1,000.. 154 325	Total inventories, end of 1997	\$1,000.. 35 892
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 101 687	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 15 544
Capital expenditures for mineral exploration and development ²	\$1,000.. 52 638	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 20 348
Capital expenditures for mineral land and rights ³	\$1,000.. 1 430	Capital expenditures (except land and mineral rights)	\$1,000.. 109 189
Total rental payments during year	\$1,000.. 20 238	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 40 040
Rental payments for buildings and other structures	\$1,000.. 3 220	Capital expenditures for mineral exploration and development ²	\$1,000.. 69 149
Rental payments for machinery and equipment	\$1,000.. 17 018	Capital expenditures for mineral land and rights ³	\$1,000.. 417
MINNESOTA		Total rental payments during year	\$1,000.. 13 296
Companies ¹	number.. 124	Rental payments for buildings and other structures	\$1,000.. 2 098
All establishments	number.. 145	Rental payments for machinery and equipment	\$1,000.. 11 198
Establishments with 0 to 19 employees	number.. 119	MISSOURI	
Establishments with 20 to 99 employees	number.. 17	Companies ¹	number.. 219
Establishments with 100 employees or more	number.. 9	All establishments	number.. 306
All employees for pay period including March 12	number.. 7 154	Establishments with 0 to 19 employees	number.. 253
Annual payroll	\$1,000.. 347 686	Establishments with 20 to 99 employees	number.. 43
Annual fringe benefits not included in payroll	\$1,000.. 117 332	Establishments with 100 employees or more	number.. 10
Production, development, and exploration workers for pay period including March 12	number.. 6 071	All employees for pay period including March 12	number.. 4 561
Production, development, and exploration worker annual hours	1,000.. 13 371	Annual payroll	\$1,000.. 146 321
Production, development, and exploration worker annual wages	\$1,000.. 289 965	Annual fringe benefits not included in payroll	\$1,000.. 39 500
Total cost of supplies	\$1,000.. 889 687	Production, development, and exploration workers for pay period including March 12	number.. 3 645
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 522 862	Production, development, and exploration worker annual hours	1,000.. 6 875
Cost of resales	\$1,000.. D	Production, development, and exploration worker annual wages	\$1,000.. 115 351
Cost of purchased fuels consumed	\$1,000.. 100 354	Total cost of supplies	\$1,000.. 244 580
Cost of purchased electricity	\$1,000.. 196 967	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 167 005
Cost of contract work	\$1,000.. D	Cost of resales	\$1,000.. 1 402
Quantity of electricity purchased	1,000 kWh.. 5 215 315	Cost of purchased fuels consumed	\$1,000.. 25 261
Quantity of electricity generated less sold	1,000 kWh.. D	Cost of purchased electricity	\$1,000.. 28 140
Cost of purchased communications services	\$1,000.. 913	Cost of contract work	\$1,000.. 22 772
Total value of shipments and receipts	\$1,000.. 1 739 355	Quantity of electricity purchased	1,000 kWh.. 582 528
Value of resales	\$1,000.. D	Quantity of electricity generated less sold	1,000 kWh.. D
Value added by mining	\$1,000.. 954 423	Cost of purchased communications services	\$1,000.. 764
Total inventories, end of 1996	\$1,000.. 184 050	Total value of shipments and receipts	\$1,000.. 685 945
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 104 000	Value of resales	\$1,000.. 1 420
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 80 050	Value added by mining	\$1,000.. 503 038
Total inventories, end of 1997	\$1,000.. 177 668	Total inventories, end of 1996	\$1,000.. 71 870
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 101 663	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 53 741
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 76 005	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 18 129
Capital expenditures (except land and mineral rights)	\$1,000.. 104 755	Total inventories, end of 1997	\$1,000.. 74 928
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 95 881	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 56 583
Capital expenditures for mineral exploration and development ²	\$1,000.. 8 874	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 18 345
Capital expenditures for mineral land and rights ³	\$1,000.. 4 512	Capital expenditures (except land and mineral rights)	\$1,000.. 61 673
Total rental payments during year	\$1,000.. 39 074	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 59 621
Rental payments for buildings and other structures	\$1,000.. 634	Capital expenditures for mineral exploration and development ²	\$1,000.. 2 052
Rental payments for machinery and equipment	\$1,000.. 38 440	Capital expenditures for mineral land and rights ³	\$1,000.. 2 554
MISSISSIPPI		Total rental payments during year	\$1,000.. 8 909
Companies ¹	number.. 345	Rental payments for buildings and other structures	\$1,000.. 1 459
All establishments	number.. 368	Rental payments for machinery and equipment	\$1,000.. 7 450
Establishments with 0 to 19 employees	number.. 314	MONTANA	
Establishments with 20 to 99 employees	number.. 48	Companies ¹	number.. 280
Establishments with 100 employees or more	number.. 6	All establishments	number.. 294
All employees for pay period including March 12	number.. 4 096	Establishments with 0 to 19 employees	number.. 252
Annual payroll	\$1,000.. 114 977	Establishments with 20 to 99 employees	number.. 29
Annual fringe benefits not included in payroll	\$1,000.. 25 634	Establishments with 100 employees or more	number.. 13
Production, development, and exploration workers for pay period including March 12	number.. 3 100	All employees for pay period including March 12	number.. 5 328
Production, development, and exploration worker annual hours	1,000.. 6 321	Annual payroll	\$1,000.. 216 251
Production, development, and exploration worker annual wages	\$1,000.. 81 411	Annual fringe benefits not included in payroll	\$1,000.. 56 623
Total cost of supplies	\$1,000.. 223 116	Production, development, and exploration workers for pay period including March 12	number.. 3 864
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 140 699	Production, development, and exploration worker annual hours	1,000.. 8 020
Cost of resales	\$1,000.. 3 614	Production, development, and exploration worker annual wages	\$1,000.. 146 238
Cost of purchased fuels consumed	\$1,000.. 19 298	Total cost of supplies	\$1,000.. 391 541
Cost of purchased electricity	\$1,000.. 14 862	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 208 298
Cost of contract work	\$1,000.. 44 643	Cost of resales	\$1,000.. D
Quantity of electricity purchased	1,000 kWh.. 245 523	Cost of purchased fuels consumed	\$1,000.. 23 976
Quantity of electricity generated less sold	1,000 kWh.. D	Cost of purchased electricity	\$1,000.. 48 615
Cost of purchased communications services	\$1,000.. 1 289	Cost of contract work	\$1,000.. D
Total value of shipments and receipts	\$1,000.. 644 659	Quantity of electricity purchased	1,000 kWh.. 1 160 363
Value of resales	\$1,000.. 5 458	Quantity of electricity generated less sold	1,000 kWh.. D
Value added by mining	\$1,000.. 530 732	Cost of purchased communications services	\$1,000.. 1 204

See footnotes at end of table.

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
MONTANA—Con.		NEVADA—Con.	
Total value of shipments and receipts	\$1,000.. 1 297 707	Quantity of electricity purchased	1,000 kWh.. 3 665 349
Value of resales	\$1,000.. D	Quantity of electricity generated less sold	1,000 kWh.. 10 547
Value added by mining	\$1,000.. 1 047 353	Cost of purchased communications services	\$1,000.. 3 229
Total inventories, end of 1996	\$1,000.. 78 387	Total value of shipments and receipts	\$1,000.. 3 232 844
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 37 729	Value of resales	\$1,000.. 7 395
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 40 658	Value added by mining	\$1,000.. 1 959 168
Total inventories, end of 1997	\$1,000.. 71 692	Total inventories, end of 1996	\$1,000.. 437 287
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 29 637	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 305 053
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 42 055	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 132 234
Capital expenditures (except land and mineral rights)	\$1,000.. 141 187	Total inventories, end of 1997	\$1,000.. 479 031
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 72 306	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 339 025
Capital expenditures for mineral exploration and development ²	\$1,000.. 68 881	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 140 006
Capital expenditures for mineral land and rights ³	\$1,000.. 8 699	Capital expenditures (except land and mineral rights)	\$1,000.. 731 341
Total rental payments during year	\$1,000.. 7 732	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 559 729
Rental payments for buildings and other structures	\$1,000.. 1 388	Capital expenditures for mineral exploration and development ²	\$1,000.. 171 612
Rental payments for machinery and equipment	\$1,000.. 6 344	Capital expenditures for mineral land and rights ³	\$1,000.. 16 159
NEBRASKA		Total rental payments during year	\$1,000.. 31 573
Companies ¹	number.. 137	Rental payments for buildings and other structures	\$1,000.. 3 751
All establishments	number.. 150	Rental payments for machinery and equipment	\$1,000.. 27 822
Establishments with 0 to 19 employees	number.. 138	NEW HAMPSHIRE	
Establishments with 20 to 99 employees	number.. 12	Companies ¹	number.. 31
Establishments with 100 employees or more	number.. -	All establishments	number.. 32
All employees for pay period including March 12	number.. 1 078	Establishments with 0 to 19 employees	number.. 26
Annual payroll	\$1,000.. 31 055	Establishments with 20 to 99 employees	number.. 5
Annual fringe benefits not included in payroll	\$1,000.. 6 513	Establishments with 100 employees or more	number.. 1
Production, development, and exploration workers for pay period including March 12	number.. 858	All employees for pay period including March 12	number.. 396
Production, development, and exploration worker annual hours	\$1,000.. 1 491	Annual payroll	\$1,000.. 18 327
Production, development, and exploration worker annual wages	\$1,000.. 23 681	Annual fringe benefits not included in payroll	\$1,000.. 5 300
Total cost of supplies	\$1,000.. 46 861	Production, development, and exploration workers for pay period including March 12	number.. 293
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 27 912	Production, development, and exploration worker annual hours	\$1,000.. 663
Cost of resales	\$1,000.. 1 767	Production, development, and exploration worker annual wages	\$1,000.. 13 551
Cost of purchased fuels consumed	\$1,000.. 4 162	Total cost of supplies	\$1,000.. 30 262
Cost of purchased electricity	\$1,000.. 5 312	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 19 289
Cost of contract work	\$1,000.. 7 708	Cost of resales	\$1,000.. D
Quantity of electricity purchased	1,000 kWh.. 118 672	Cost of purchased fuels consumed	\$1,000.. 2 314
Quantity of electricity generated less sold	1,000 kWh.. -	Cost of purchased electricity	\$1,000.. 3 282
Cost of purchased communications services	\$1,000.. 1 771	Cost of contract work	\$1,000.. D
Total value of shipments and receipts	\$1,000.. 130 874	Quantity of electricity purchased	1,000 kWh.. 36 171
Value of resales	\$1,000.. 1 697	Quantity of electricity generated less sold	1,000 kWh.. -
Value added by mining	\$1,000.. 104 091	Cost of purchased communications services	\$1,000.. -
Total inventories, end of 1996	\$1,000.. 10 746	Total value of shipments and receipts	\$1,000.. 69 122
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 8 205	Value of resales	\$1,000.. D
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 2 541	Value added by mining	\$1,000.. 43 640
Total inventories, end of 1997	\$1,000.. 9 541	Total inventories, end of 1996	\$1,000.. 12 639
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 7 148	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 11 584
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 2 393	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 1 055
Capital expenditures (except land and mineral rights)	\$1,000.. 20 078	Total inventories, end of 1997	\$1,000.. 13 507
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 15 954	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 12 451
Capital expenditures for mineral exploration and development ²	\$1,000.. 4 124	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 1 056
Capital expenditures for mineral land and rights ³	\$1,000.. 1 179	Capital expenditures (except land and mineral rights)	\$1,000.. 4 780
Total rental payments during year	\$1,000.. D	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 4 780
Rental payments for buildings and other structures	\$1,000.. 291	Capital expenditures for mineral exploration and development ²	\$1,000.. -
Rental payments for machinery and equipment	\$1,000.. D	Capital expenditures for mineral land and rights ³	\$1,000.. 377
NEVADA		Total rental payments during year	\$1,000.. 3 832
Companies ¹	number.. 227	Rental payments for buildings and other structures	\$1,000.. 306
All establishments	number.. 250	Rental payments for machinery and equipment	\$1,000.. 3 526
Establishments with 0 to 19 employees	number.. 182	NEW JERSEY	
Establishments with 20 to 99 employees	number.. 44	Companies ¹	number.. 87
Establishments with 100 employees or more	number.. 24	All establishments	number.. 95
All employees for pay period including March 12	number.. 14 035	Establishments with 0 to 19 employees	number.. 67
Annual payroll	\$1,000.. 625 808	Establishments with 20 to 99 employees	number.. 27
Annual fringe benefits not included in payroll	\$1,000.. 185 294	Establishments with 100 employees or more	number.. 1
Production, development, and exploration workers for pay period including March 12	number.. 12 451	All employees for pay period including March 12	number.. 1 864
Production, development, and exploration worker annual hours	\$1,000.. 26 420	Annual payroll	\$1,000.. 84 161
Production, development, and exploration worker annual wages	\$1,000.. 552 917	Annual fringe benefits not included in payroll	\$1,000.. 23 080
Total cost of supplies	\$1,000.. 2 005 017	Production, development, and exploration workers for pay period including March 12	number.. 1 350
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 1 421 284	Production, development, and exploration worker annual hours	\$1,000.. 2 919
Cost of resales	\$1,000.. 6 892	Production, development, and exploration worker annual wages	\$1,000.. 59 724
Cost of purchased fuels consumed	\$1,000.. 147 080		
Cost of purchased electricity	\$1,000.. 156 832		
Cost of contract work	\$1,000.. 272 929		

See footnotes at end of table.

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
NEW JERSEY—Con.		NEW YORK—Con.	
Total cost of supplies	\$1,000.. 105 156	Production, development, and exploration worker annual hours	1,000.. 6 101
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 66 256	Production, development, and exploration worker annual wages	\$1,000.. 102 235
Cost of resales	\$1,000.. 3 156	Total cost of supplies	\$1,000.. 198 253
Cost of purchased fuels consumed	\$1,000.. 12 742	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 124 218
Cost of purchased electricity	\$1,000.. 13 752	Cost of resales	\$1,000.. 3 371
Cost of contract work	\$1,000.. 9 250	Cost of purchased fuels consumed	\$1,000.. 20 257
Quantity of electricity purchased	1,000 kWh.. 156 119	Cost of purchased electricity	\$1,000.. 28 612
Quantity of electricity generated less sold	1,000 kWh.. —	Cost of contract work	\$1,000.. 21 795
Cost of purchased communications services	\$1,000.. 416	Quantity of electricity purchased	1,000 kWh.. 318 689
Total value of shipments and receipts	\$1,000.. 310 690	Quantity of electricity generated less sold	1,000 kWh.. 1 450
Value of resales	\$1,000.. 3 832	Cost of purchased communications services	\$1,000.. 953
Value added by mining	\$1,000.. 242 579	Total value of shipments and receipts	\$1,000.. 608 978
Total inventories, end of 1996	\$1,000.. 50 334	Value of resales	\$1,000.. 3 530
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 44 116	Value added by mining	\$1,000.. 474 221
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 6 218	Total inventories, end of 1996	\$1,000.. 104 845
Total inventories, end of 1997	\$1,000.. 45 435	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 89 526
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 39 120	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 15 319
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 6 315	Total inventories, end of 1997	\$1,000.. 102 869
Capital expenditures (except land and mineral rights)	\$1,000.. 37 045	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 89 058
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. D	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 13 811
Capital expenditures for mineral exploration and development ²	\$1,000.. D	Capital expenditures (except land and mineral rights)	\$1,000.. 63 496
Capital expenditures for mineral land and rights ³	\$1,000.. 1 252	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 53 893
Total rental payments during year	\$1,000.. 5 277	Capital expenditures for mineral exploration and development ²	\$1,000.. 9 603
Rental payments for buildings and other structures	\$1,000.. 794	Capital expenditures for mineral land and rights ³	\$1,000.. 1 730
Rental payments for machinery and equipment	\$1,000.. 4 483	Total rental payments during year	\$1,000.. 17 597
NEW MEXICO		Rental payments for buildings and other structures	\$1,000.. 1 571
Companies ¹	number.. 559	Rental payments for machinery and equipment	\$1,000.. 16 026
All establishments	number.. 606	NORTH CAROLINA	
Establishments with 0 to 19 employees	number.. 473	Companies ¹	number.. 100
Establishments with 20 to 99 employees	number.. 99	All establishments	number.. 171
Establishments with 100 employees or more	number.. 34	Establishments with 0 to 19 employees	number.. 103
All employees for pay period including March 12	number.. 14 600	Establishments with 20 to 99 employees	number.. 66
Annual payroll	\$1,000.. 573 699	Establishments with 100 employees or more	number.. 2
Annual fringe benefits not included in payroll	\$1,000.. 135 444	All employees for pay period including March 12	number.. 3 231
Production, development, and exploration workers for pay period including March 12	number.. 11 520	Annual payroll	\$1,000.. 117 903
Production, development, and exploration worker annual hours	1,000.. 23 719	Annual fringe benefits not included in payroll	\$1,000.. 30 292
Production, development, and exploration worker annual wages	\$1,000.. 437 690	Production, development, and exploration workers for pay period including March 12	number.. 2 644
Total cost of supplies	\$1,000.. 3 019 929	Production, development, and exploration worker annual hours	1,000.. 6 012
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 2 572 343	Production, development, and exploration worker annual wages	\$1,000.. 92 540
Cost of resales	\$1,000.. 14 469	Total cost of supplies	\$1,000.. 352 651
Cost of purchased fuels consumed	\$1,000.. 76 554	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 256 109
Cost of purchased electricity	\$1,000.. 130 740	Cost of resales	\$1,000.. 2 959
Cost of contract work	\$1,000.. 225 823	Cost of purchased fuels consumed	\$1,000.. 18 455
Quantity of electricity purchased	1,000 kWh.. 2 686 696	Cost of purchased electricity	\$1,000.. 35 846
Quantity of electricity generated less sold	1,000 kWh.. D	Cost of contract work	\$1,000.. 39 282
Cost of purchased communications services	\$1,000.. 7 153	Quantity of electricity purchased	1,000 kWh.. 693 402
Total value of shipments and receipts	\$1,000.. 7 298 600	Quantity of electricity generated less sold	1,000 kWh.. —
Value of resales	\$1,000.. 20 439	Cost of purchased communications services	\$1,000.. 948
Value added by mining	\$1,000.. 5 336 170	Total value of shipments and receipts	\$1,000.. 743 581
Total inventories, end of 1996	\$1,000.. 239 327	Value of resales	\$1,000.. 2 795
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 93 149	Value added by mining	\$1,000.. 533 458
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 146 178	Total inventories, end of 1996	\$1,000.. 83 423
Total inventories, end of 1997	\$1,000.. 255 166	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 62 798
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 95 812	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 20 625
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 159 354	Total inventories, end of 1997	\$1,000.. 82 111
Capital expenditures (except land and mineral rights)	\$1,000.. 1 057 499	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 61 383
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 550 416	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 20 728
Capital expenditures for mineral exploration and development ²	\$1,000.. 507 083	Capital expenditures (except land and mineral rights)	\$1,000.. 142 528
Capital expenditures for mineral land and rights ³	\$1,000.. 5 485	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 140 905
Total rental payments during year	\$1,000.. 64 462	Capital expenditures for mineral exploration and development ²	\$1,000.. 1 623
Rental payments for buildings and other structures	\$1,000.. 7 352	Capital expenditures for mineral land and rights ³	\$1,000.. 3 030
Rental payments for machinery and equipment	\$1,000.. 57 110	Total rental payments during year	\$1,000.. 7 789
NEW YORK		Rental payments for buildings and other structures	\$1,000.. 1 133
Companies ¹	number.. 297	Rental payments for machinery and equipment	\$1,000.. 6 656
All establishments	number.. 359	MINING—SUBJECT SERIES	
Establishments with 0 to 19 employees	number.. 316	GENERAL SUMMARY—GEOGRAPHIC AREA STATISTICS 33	
Establishments with 20 to 99 employees	number.. 38	U.S. Census Bureau, 1997 Economic Census Apr. 11, 2001	
Establishments with 100 employees or more	number.. 5		
All employees for pay period including March 12	number.. 3 879		
Annual payroll	\$1,000.. 142 426		
Annual fringe benefits not included in payroll	\$1,000.. 40 603		
Production, development, and exploration workers for pay period including March 12	number.. 2 819		

See footnotes at end of table.

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
NORTH DAKOTA		OHIO—Con.	
Companies ¹	number.. 218	Total rental payments during year	\$1,000.. 63 448
All establishments	number.. 227	Rental payments for buildings and other structures	\$1,000.. 14 064
Establishments with 0 to 19 employees	number.. 188	Rental payments for machinery and equipment	\$1,000.. 49 384
Establishments with 20 to 99 employees	number.. 30	OKLAHOMA	
Establishments with 100 employees or more	number.. 9	Companies ¹	number.. 2 151
All employees for pay period including March 12	number.. 4 098	All establishments	number.. 2 271
Annual payroll	\$1,000.. 176 283	Establishments with 0 to 19 employees	number.. 2 033
Annual fringe benefits not included in payroll	\$1,000.. 41 542	Establishments with 20 to 99 employees	number.. 205
Production, development, and exploration workers for pay period including March 12	number.. 3 361	Establishments with 100 employees or more	number.. 33
Production, development, and exploration worker annual hours	1,000.. 6 816	All employees for pay period including March 12	number.. 25 976
Production, development, and exploration worker annual wages	\$1,000.. 145 374	Annual payroll	\$1,000.. 967 290
Total cost of supplies	\$1,000.. 333 417	Annual fringe benefits not included in payroll	\$1,000.. 228 386
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 188 643	Production, development, and exploration workers for pay period including March 12	number.. 16 957
Cost of resales	\$1,000.. 28 086	Production, development, and exploration worker annual hours	1,000.. 33 361
Cost of purchased fuels consumed	\$1,000.. 21 069	Production, development, and exploration worker annual wages	\$1,000.. 584 559
Cost of purchased electricity	\$1,000.. 45 794	Total cost of supplies	\$1,000.. 3 019 690
Cost of contract work	\$1,000.. 49 825	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 2 307 639
Quantity of electricity purchased	1,000 kWh.. 1 182 931	Cost of resales	\$1,000.. 19 008
Quantity of electricity generated less sold	1,000 kWh.. D	Cost of purchased fuels consumed	\$1,000.. 103 529
Cost of purchased communications services	\$1,000.. 1 121	Cost of purchased electricity	\$1,000.. 126 735
Total value of shipments and receipts	\$1,000.. 1 183 086	Cost of contract work	\$1,000.. 462 779
Value of resales	\$1,000.. 29 126	Quantity of electricity purchased	1,000 kWh.. 2 758 204
Value added by mining	\$1,000.. 1 016 514	Quantity of electricity generated less sold	1,000 kWh.. 34 429
Total inventories, end of 1996	\$1,000.. 81 958	Cost of purchased communications services	\$1,000.. 12 931
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 23 675	Total value of shipments and receipts	\$1,000.. 7 281 615
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 58 283	Value of resales	\$1,000.. 33 567
Total inventories, end of 1997	\$1,000.. 85 394	Value added by mining	\$1,000.. 5 508 934
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 25 540	Total inventories, end of 1996	\$1,000.. 196 823
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 59 854	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 61 548
Capital expenditures (except land and mineral rights)	\$1,000.. 166 845	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 135 275
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 70 989	Total inventories, end of 1997	\$1,000.. 212 644
Capital expenditures for mineral exploration and development ²	\$1,000.. 95 856	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 62 688
Capital expenditures for mineral land and rights ³	\$1,000.. 2 664	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 149 956
Total rental payments during year	\$1,000.. 14 373	Capital expenditures (except land and mineral rights)	\$1,000.. 1 247 009
Rental payments for buildings and other structures	\$1,000.. 1 912	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 462 891
Rental payments for machinery and equipment	\$1,000.. 12 461	Capital expenditures for mineral exploration and development ²	\$1,000.. 784 118
OHIO		Capital expenditures for mineral land and rights ³	\$1,000.. 878
Companies ¹	number.. 704	Total rental payments during year	\$1,000.. 75 287
All establishments	number.. 828	Rental payments for buildings and other structures	\$1,000.. 15 053
Establishments with 0 to 19 employees	number.. 700	Rental payments for machinery and equipment	\$1,000.. 60 234
Establishments with 20 to 99 employees	number.. 112	OREGON	
Establishments with 100 employees or more	number.. 16	Companies ¹	number.. 123
All employees for pay period including March 12	number.. 11 997	All establishments	number.. 134
Annual payroll	\$1,000.. 453 648	Establishments with 0 to 19 employees	number.. 106
Annual fringe benefits not included in payroll	\$1,000.. 127 399	Establishments with 20 to 99 employees	number.. 28
Production, development, and exploration workers for pay period including March 12	number.. 8 961	Establishments with 100 employees or more	number.. -
Production, development, and exploration worker annual hours	1,000.. 18 296	All employees for pay period including March 12	number.. 1 739
Production, development, and exploration worker annual wages	\$1,000.. 324 021	Annual payroll	\$1,000.. 61 387
Total cost of supplies	\$1,000.. 713 642	Annual fringe benefits not included in payroll	\$1,000.. 15 484
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 468 662	Production, development, and exploration workers for pay period including March 12	number.. 1 216
Cost of resales	\$1,000.. 16 523	Production, development, and exploration worker annual hours	1,000.. 2 657
Cost of purchased fuels consumed	\$1,000.. 58 017	Production, development, and exploration worker annual wages	\$1,000.. 43 189
Cost of purchased electricity	\$1,000.. 56 166	Total cost of supplies	\$1,000.. 96 396
Cost of contract work	\$1,000.. 114 274	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 66 110
Quantity of electricity purchased	1,000 kWh.. 1 135 506	Cost of resales	\$1,000.. 1 553
Quantity of electricity generated less sold	1,000 kWh.. D	Cost of purchased fuels consumed	\$1,000.. 10 504
Cost of purchased communications services	\$1,000.. 3 376	Cost of purchased electricity	\$1,000.. 9 103
Total value of shipments and receipts	\$1,000.. 2 156 080	Cost of contract work	\$1,000.. 9 126
Value of resales	\$1,000.. 17 494	Quantity of electricity purchased	1,000 kWh.. 200 374
Value added by mining	\$1,000.. 1 746 314	Quantity of electricity generated less sold	1,000 kWh.. D
Total inventories, end of 1996	\$1,000.. 165 982	Cost of purchased communications services	\$1,000.. 263
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 99 387	Total value of shipments and receipts	\$1,000.. 221 193
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 66 595	Value of resales	\$1,000.. 1 651
Total inventories, end of 1997	\$1,000.. 176 440	Value added by mining	\$1,000.. 161 107
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 110 823	Total inventories, end of 1996	\$1,000.. 26 042
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 65 617	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 22 496
Capital expenditures (except land and mineral rights)	\$1,000.. 303 876	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 3 546
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 185 148	Total inventories, end of 1997	\$1,000.. 28 605
Capital expenditures for mineral exploration and development ²	\$1,000.. 118 728	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 24 556
Capital expenditures for mineral land and rights ³	\$1,000.. 10 146	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 4 049

See footnotes at end of table.

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
OREGON—Con.		RHODE ISLAND—Con.	
Capital expenditures (except land and mineral rights)	\$1,000.. 36 310	Total inventories, end of 1997	\$1,000.. 2 773
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 35 932	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 2 498
Capital expenditures for mineral exploration and development ²	\$1,000.. 378	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 275
Capital expenditures for mineral land and rights ³	\$1,000.. 1 190	Capital expenditures (except land and mineral rights)	\$1,000.. 1 267
Total rental payments during year	\$1,000.. 6 339	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. D
Rental payments for buildings and other structures	\$1,000.. 656	Capital expenditures for mineral exploration and development ²	\$1,000.. D
Rental payments for machinery and equipment	\$1,000.. 5 683	Capital expenditures for mineral land and rights ³	\$1,000.. 129
PENNSYLVANIA		SOUTH CAROLINA	
Companies ¹	number.. 770	Total rental payments during year	\$1,000.. 191
All establishments	number.. 914	Rental payments for buildings and other structures	\$1,000.. 13
Establishments with 0 to 19 employees	number.. 724	Rental payments for machinery and equipment	\$1,000.. 178
Establishments with 20 to 99 employees	number.. 164	SOUTH CAROLINA	
Establishments with 100 employees or more	number.. 26	Companies ¹	number.. 49
All employees for pay period including March 12	number.. 17 522	All establishments	number.. 74
Annual payroll	\$1,000.. 676 663	Establishments with 0 to 19 employees	number.. 49
Annual fringe benefits not included in payroll	\$1,000.. 242 260	Establishments with 20 to 99 employees	number.. 24
Production, development, and exploration workers for pay period including March 12	number.. 14 262	Establishments with 100 employees or more	number.. 1
Production, development, and exploration worker annual hours	1,000.. 29 687	All employees for pay period including March 12	number.. 1 388
Production, development, and exploration worker annual wages	\$1,000.. 538 762	Annual payroll	\$1,000.. 44 448
Total cost of supplies	\$1,000.. 1 464 092	Annual fringe benefits not included in payroll	\$1,000.. 10 487
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 1 142 165	Production, development, and exploration workers for pay period including March 12	number.. 1 099
Cost of resales	\$1,000.. 23 353	Production, development, and exploration worker annual hours	1,000.. 2 390
Cost of purchased fuels consumed	\$1,000.. 74 754	Production, development, and exploration worker annual wages	\$1,000.. 34 364
Cost of purchased electricity	\$1,000.. 95 404	Total cost of supplies	\$1,000.. 102 776
Cost of contract work	\$1,000.. 128 416	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 71 231
Quantity of electricity purchased	1,000 kWh.. 1 652 398	Cost of resales	\$1,000.. D
Quantity of electricity generated less sold	1,000 kWh.. S	Cost of purchased fuels consumed	\$1,000.. 7 539
Cost of purchased communications services	\$1,000.. 3 573	Cost of purchased electricity	\$1,000.. 10 868
Total value of shipments and receipts	\$1,000.. 3 513 149	Cost of contract work	\$1,000.. D
Value of resales	\$1,000.. 23 614	Quantity of electricity purchased	1,000 kWh.. 220 427
Value added by mining	\$1,000.. 2 411 032	Quantity of electricity generated less sold	1,000 kWh.. -
Total inventories, end of 1996	\$1,000.. 217 006	Cost of purchased communications services	\$1,000.. 503
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 146 216	Total value of shipments and receipts	\$1,000.. 237 345
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 70 790	Value of resales	\$1,000.. D
Total inventories, end of 1997	\$1,000.. 231 960	Value added by mining	\$1,000.. 166 212
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 162 479	Total inventories, end of 1996	\$1,000.. 32 397
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 69 481	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 25 328
Capital expenditures (except land and mineral rights)	\$1,000.. 361 975	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 7 069
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 266 547	Total inventories, end of 1997	\$1,000.. 27 405
Capital expenditures for mineral exploration and development ²	\$1,000.. 95 428	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 21 192
Capital expenditures for mineral land and rights ³	\$1,000.. 11 272	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 6 213
Total rental payments during year	\$1,000.. 54 655	Capital expenditures (except land and mineral rights)	\$1,000.. 31 643
Rental payments for buildings and other structures	\$1,000.. 4 216	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 30 822
Rental payments for machinery and equipment	\$1,000.. 50 439	Capital expenditures for mineral exploration and development ²	\$1,000.. 821
RHODE ISLAND		Capital expenditures for mineral land and rights ³	\$1,000.. 1 896
Companies ¹	number.. 16	Total rental payments during year	\$1,000.. 2 691
All establishments	number.. 16	Rental payments for buildings and other structures	\$1,000.. 257
Establishments with 0 to 19 employees	number.. 14	Rental payments for machinery and equipment	\$1,000.. 2 434
Establishments with 20 to 99 employees	number.. 2	SOUTH DAKOTA	
Establishments with 100 employees or more	number.. -	Companies ¹	number.. 58
All employees for pay period including March 12	number.. 120	All establishments	number.. 67
Annual payroll	\$1,000.. 4 619	Establishments with 0 to 19 employees	number.. 55
Annual fringe benefits not included in payroll	\$1,000.. 1 447	Establishments with 20 to 99 employees	number.. 10
Production, development, and exploration workers for pay period including March 12	number.. 82	Establishments with 100 employees or more	number.. 2
Production, development, and exploration worker annual hours	1,000.. 165	All employees for pay period including March 12	number.. 1 837
Production, development, and exploration worker annual wages	\$1,000.. 3 258	Annual payroll	\$1,000.. 66 713
Total cost of supplies	\$1,000.. 4 829	Annual fringe benefits not included in payroll	\$1,000.. 26 082
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 2 232	Production, development, and exploration workers for pay period including March 12	number.. 1 635
Cost of resales	\$1,000.. D	Production, development, and exploration worker annual hours	1,000.. 3 081
Cost of purchased fuels consumed	\$1,000.. 753	Production, development, and exploration worker annual wages	\$1,000.. 58 831
Cost of purchased electricity	\$1,000.. 688	Total cost of supplies	\$1,000.. 102 236
Cost of contract work	\$1,000.. D	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 56 190
Quantity of electricity purchased	1,000 kWh.. 6 822	Cost of resales	\$1,000.. 2 328
Quantity of electricity generated less sold	1,000 kWh.. -	Cost of purchased fuels consumed	\$1,000.. 6 943
Cost of purchased communications services	\$1,000.. D	Cost of purchased electricity	\$1,000.. 12 497
Total value of shipments and receipts	\$1,000.. 16 516	Cost of contract work	\$1,000.. 24 278
Value of resales	\$1,000.. D	Quantity of electricity purchased	1,000 kWh.. 311 001
Value added by mining	\$1,000.. 12 954	Quantity of electricity generated less sold	1,000 kWh.. D
Total inventories, end of 1996	\$1,000.. 2 805	Cost of purchased communications services	\$1,000.. 234
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 2 530	Total value of shipments and receipts	\$1,000.. 256 216
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 275	Value of resales	\$1,000.. 3 177
See footnotes at end of table.		Value added by mining	\$1,000.. 166 235

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
SOUTH DAKOTA—Con.		TEXAS—Con.	
Total inventories, end of 1996	\$1,000.. 38 062	Total value of shipments and receipts	\$1,000.. 41 711 621
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 25 560	Value of resales	\$1,000.. 380 295
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 12 502	Value added by mining	\$1,000.. 32 485 005
Total inventories, end of 1997	\$1,000.. 33 878	Total inventories, end of 1996	\$1,000.. 1 014 244
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 21 692	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 327 602
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 12 186	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 686 642
Capital expenditures (except land and mineral rights)	\$1,000.. 12 255	Total inventories, end of 1997	\$1,000.. 1 097 202
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. D	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 295 818
Capital expenditures for mineral exploration and development ²	\$1,000.. D	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 801 384
Capital expenditures for mineral land and rights ³	\$1,000.. 244	Capital expenditures (except land and mineral rights)	\$1,000.. 9 233 064
Total rental payments during year	\$1,000.. 3 161	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 2 689 208
Rental payments for buildings and other structures	\$1,000.. 395	Capital expenditures for mineral exploration and development ²	\$1,000.. 6 543 856
Rental payments for machinery and equipment	\$1,000.. 2 766	Capital expenditures for mineral land and rights ³	\$1,000.. 13 804
TENNESSEE		Total rental payments during year	\$1,000.. 446 283
Companies ¹	number.. 152	Rental payments for buildings and other structures	\$1,000.. 107 995
All establishments	number.. 221	Rental payments for machinery and equipment	\$1,000.. 338 288
Establishments with 0 to 19 employees	number.. 151	UTAH	
Establishments with 20 to 99 employees	number.. 63	Companies ¹	number.. 297
Establishments with 100 employees or more	number.. 7	All establishments	number.. 316
All employees for pay period including March 12	number.. 4 473	Establishments with 0 to 19 employees	number.. 242
Annual payroll	\$1,000.. 136 579	Establishments with 20 to 99 employees	number.. 55
Annual fringe benefits not included in payroll	\$1,000.. 36 315	Establishments with 100 employees or more	number.. 19
Production, development, and exploration workers for pay period including March 12	number.. 3 614	All employees for pay period including March 12	number.. 8 134
Production, development, and exploration worker annual hours	1,000.. 7 704	Annual payroll	\$1,000.. 334 886
Production, development, and exploration worker annual wages	\$1,000.. 99 868	Annual fringe benefits not included in payroll	\$1,000.. 96 989
Total cost of supplies	\$1,000.. 283 623	Production, development, and exploration workers for pay period including March 12	number.. 6 593
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 190 011	Production, development, and exploration worker annual hours	1,000.. 12 969
Cost of resales	\$1,000.. 5 309	Production, development, and exploration worker annual wages	\$1,000.. 256 533
Cost of purchased fuels consumed	\$1,000.. 20 150	Total cost of supplies	\$1,000.. 1 046 914
Cost of purchased electricity	\$1,000.. 27 888	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 820 836
Cost of contract work	\$1,000.. 40 265	Cost of resales	\$1,000.. 15 470
Quantity of electricity purchased	1,000 kWh.. 507 317	Cost of purchased fuels consumed	\$1,000.. 34 944
Quantity of electricity generated less sold	1,000 kWh.. D	Cost of purchased electricity	\$1,000.. 75 782
Cost of purchased communications services	\$1,000.. 1 494	Cost of contract work	\$1,000.. 99 882
Total value of shipments and receipts	\$1,000.. 701 305	Quantity of electricity purchased	1,000 kWh.. 2 358 846
Value of resales	\$1,000.. 5 348	Quantity of electricity generated less sold	1,000 kWh.. S
Value added by mining	\$1,000.. 479 187	Cost of purchased communications services	\$1,000.. 3 233
Total inventories, end of 1996	\$1,000.. 61 398	Total value of shipments and receipts	\$1,000.. 2 439 505
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 51 420	Value of resales	\$1,000.. 22 835
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 9 978	Value added by mining	\$1,000.. 1 875 302
Total inventories, end of 1997	\$1,000.. 61 978	Total inventories, end of 1996	\$1,000.. 186 419
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 50 621	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 89 988
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 11 357	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 96 431
Capital expenditures (except land and mineral rights)	\$1,000.. 61 505	Total inventories, end of 1997	\$1,000.. 175 780
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 55 286	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 84 838
Capital expenditures for mineral exploration and development ²	\$1,000.. 6 219	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 90 942
Capital expenditures for mineral land and rights ³	\$1,000.. D	Capital expenditures (except land and mineral rights)	\$1,000.. 482 711
Total rental payments during year	\$1,000.. 5 767	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 348 009
Rental payments for buildings and other structures	\$1,000.. 798	Capital expenditures for mineral exploration and development ²	\$1,000.. 134 702
Rental payments for machinery and equipment	\$1,000.. 4 969	Capital expenditures for mineral land and rights ³	\$1,000.. D
TEXAS		Total rental payments during year	\$1,000.. 15 576
Companies ¹	number.. 5 865	Rental payments for buildings and other structures	\$1,000.. 2 503
All establishments	number.. 6 412	Rental payments for machinery and equipment	\$1,000.. 13 073
Establishments with 0 to 19 employees	number.. 5 521	VERMONT	
Establishments with 20 to 99 employees	number.. 749	Companies ¹	number.. 45
Establishments with 100 employees or more	number.. 142	All establishments	number.. 52
All employees for pay period including March 12	number.. 105 492	Establishments with 0 to 19 employees	number.. 47
Annual payroll	\$1,000.. 4 333 593	Establishments with 20 to 99 employees	number.. 3
Annual fringe benefits not included in payroll	\$1,000.. 965 129	Establishments with 100 employees or more	number.. 2
Production, development, and exploration workers for pay period including March 12	number.. 73 686	All employees for pay period including March 12	number.. 658
Production, development, and exploration worker annual hours	1,000.. 148 052	Annual payroll	\$1,000.. 22 184
Production, development, and exploration worker annual wages	\$1,000.. 2 830 741	Annual fringe benefits not included in payroll	\$1,000.. 5 469
Total cost of supplies	\$1,000.. 18 459 680	Production, development, and exploration workers for pay period including March 12	number.. 538
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 14 534 982	Production, development, and exploration worker annual hours	1,000.. 1 055
Cost of resales	\$1,000.. 249 869	Production, development, and exploration worker annual wages	\$1,000.. 17 579
Cost of purchased fuels consumed	\$1,000.. 457 257	Total cost of supplies	\$1,000.. 25 816
Cost of purchased electricity	\$1,000.. 654 886	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 16 139
Cost of contract work	\$1,000.. 2 562 686	Cost of resales	\$1,000.. D
Quantity of electricity purchased	1,000 kWh.. 12 162 782	Cost of purchased fuels consumed	\$1,000.. 3 386
Quantity of electricity generated less sold	1,000 kWh.. 343 867	Cost of purchased electricity	\$1,000.. 3 451
Cost of purchased communications services	\$1,000.. 61 170	Cost of contract work	\$1,000.. D

See footnotes at end of table.

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
VERMONT—Con.		WASHINGTON—Con.	
Quantity of electricity purchased 1,000 kWh..	43 058	Total cost of supplies \$1,000..	193 484
Quantity of electricity generated less sold 1,000 kWh..	D	Cost of supplies used, minerals received, and purchased machinery installed \$1,000..	150 851
Cost of purchased communications services \$1,000..	71	Cost of resales \$1,000..	1 445
Total value of shipments and receipts \$1,000..	90 637	Cost of purchased fuels consumed \$1,000..	18 749
Value of resales \$1,000..	D	Cost of purchased electricity \$1,000..	13 398
Value added by mining \$1,000..	72 053	Cost of contract work \$1,000..	9 041
Total inventories, end of 1996 \$1,000..	11 888	Quantity of electricity purchased 1,000 kWh..	351 078
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996 \$1,000..	10 390	Quantity of electricity generated less sold 1,000 kWh..	—
Supplies, parts, fuels, etc., inventories, end of 1996 \$1,000..	1 498	Cost of purchased communications services \$1,000..	771
Total inventories, end of 1997 \$1,000..	12 755	Total value of shipments and receipts \$1,000..	487 880
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997 \$1,000..	11 335	Value of resales \$1,000..	2 095
Supplies, parts, fuels, etc., inventories, end of 1997 \$1,000..	1 420	Value added by mining \$1,000..	348 929
Capital expenditures (except land and mineral rights) \$1,000..	7 232	Total inventories, end of 1996 \$1,000..	45 391
Capital expenditures for buildings, structures, machinery, and equipment (new and used) \$1,000..	7 152	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996 \$1,000..	26 446
Capital expenditures for mineral exploration and development ² \$1,000..	80	Supplies, parts, fuels, etc., inventories, end of 1996 \$1,000..	18 945
Capital expenditures for mineral land and rights ³ \$1,000..	565	Total inventories, end of 1997 \$1,000..	50 602
Total rental payments during year \$1,000..	1 034	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997 \$1,000..	30 340
Rental payments for buildings and other structures \$1,000..	156	Supplies, parts, fuels, etc., inventories, end of 1997 \$1,000..	20 262
Rental payments for machinery and equipment \$1,000..	878	Capital expenditures (except land and mineral rights) \$1,000..	54 533
		Capital expenditures for buildings, structures, machinery, and equipment (new and used) \$1,000..	43 237
		Capital expenditures for mineral exploration and development ² \$1,000..	11 296
		Capital expenditures for mineral land and rights ³ \$1,000..	3 033
		Total rental payments during year \$1,000..	17 388
		Rental payments for buildings and other structures \$1,000..	3 146
		Rental payments for machinery and equipment \$1,000..	14 242
VIRGINIA		WEST VIRGINIA	
Companies ¹ number..	308	Companies ¹ number..	652
All establishments number..	417	All establishments number..	766
Establishments with 0 to 19 employees number..	240	Establishments with 0 to 19 employees number..	536
Establishments with 20 to 99 employees number..	164	Establishments with 20 to 99 employees number..	174
Establishments with 100 employees or more number..	13	Establishments with 100 employees or more number..	56
All employees for pay period including March 12 number..	11 711	All employees for pay period including March 12 number..	23 927
Annual payroll \$1,000..	429 463	Annual payroll \$1,000..	1 042 187
Annual fringe benefits not included in payroll \$1,000..	134 582	Annual fringe benefits not included in payroll \$1,000..	403 203
Production, development, and exploration workers for pay period including March 12 number..	9 860	Production, development, and exploration workers for pay period including March 12 number..	20 450
Production, development, and exploration worker annual hours 1,000..	19 684	Production, development, and exploration worker annual hours 1,000..	43 322
Production, development, and exploration worker annual wages \$1,000..	351 573	Production, development, and exploration worker annual wages \$1,000..	882 890
Total cost of supplies \$1,000..	1 115 916	Total cost of supplies \$1,000..	2 846 737
Cost of supplies used, minerals received, and purchased machinery installed \$1,000..	835 022	Cost of supplies used, minerals received, and purchased machinery installed \$1,000..	2 281 761
Cost of resales \$1,000..	8 946	Cost of resales \$1,000..	7 756
Cost of purchased fuels consumed \$1,000..	45 171	Cost of purchased fuels consumed \$1,000..	89 540
Cost of purchased electricity \$1,000..	56 864	Cost of purchased electricity \$1,000..	115 872
Cost of contract work \$1,000..	169 913	Cost of contract work \$1,000..	351 808
Quantity of electricity purchased 1,000 kWh..	1 300 537	Quantity of electricity purchased 1,000 kWh..	2 678 644
Quantity of electricity generated less sold 1,000 kWh..	D	Quantity of electricity generated less sold 1,000 kWh..	815
Cost of purchased communications services \$1,000..	1 930	Cost of purchased communications services \$1,000..	4 139
Total value of shipments and receipts \$1,000..	2 348 022	Total value of shipments and receipts \$1,000..	6 333 463
Value of resales \$1,000..	10 160	Value of resales \$1,000..	9 224
Value added by mining \$1,000..	1 448 504	Value added by mining \$1,000..	4 160 931
Total inventories, end of 1996 \$1,000..	149 737	Total inventories, end of 1996 \$1,000..	288 527
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996 \$1,000..	108 670	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996 \$1,000..	161 293
Supplies, parts, fuels, etc., inventories, end of 1996 \$1,000..	41 067	Supplies, parts, fuels, etc., inventories, end of 1996 \$1,000..	127 234
Total inventories, end of 1997 \$1,000..	161 353	Total inventories, end of 1997 \$1,000..	282 380
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997 \$1,000..	122 907	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997 \$1,000..	160 116
Supplies, parts, fuels, etc., inventories, end of 1997 \$1,000..	38 446	Supplies, parts, fuels, etc., inventories, end of 1997 \$1,000..	122 264
Capital expenditures (except land and mineral rights) \$1,000..	216 398	Capital expenditures (except land and mineral rights) \$1,000..	674 205
Capital expenditures for buildings, structures, machinery, and equipment (new and used) \$1,000..	188 612	Capital expenditures for buildings, structures, machinery, and equipment (new and used) \$1,000..	526 291
Capital expenditures for mineral exploration and development ² \$1,000..	27 786	Capital expenditures for mineral exploration and development ² \$1,000..	147 914
Capital expenditures for mineral land and rights ³ \$1,000..	24 781	Capital expenditures for mineral land and rights ³ \$1,000..	6 160
Total rental payments during year \$1,000..	37 221	Total rental payments during year \$1,000..	114 200
Rental payments for buildings and other structures \$1,000..	1 615	Rental payments for buildings and other structures \$1,000..	8 271
Rental payments for machinery and equipment \$1,000..	35 606	Rental payments for machinery and equipment \$1,000..	105 929
WASHINGTON		WISCONSIN	
Companies ¹ number..	145	Companies ¹ number..	131
All establishments number..	154	All establishments number..	147
Establishments with 0 to 19 employees number..	129	Establishments with 0 to 19 employees number..	118
Establishments with 20 to 99 employees number..	19	Establishments with 20 to 99 employees number..	26
Establishments with 100 employees or more number..	6	Establishments with 100 employees or more number..	3
All employees for pay period including March 12 number..	2 890	All employees for pay period including March 12 number..	2 304
Annual payroll \$1,000..	114 324	Annual payroll \$1,000..	92 070
Annual fringe benefits not included in payroll \$1,000..	32 447	Annual fringe benefits not included in payroll \$1,000..	23 504
Production, development, and exploration workers for pay period including March 12 number..	2 170	Production, development, and exploration workers for pay period including March 12 number..	1 598
Production, development, and exploration worker annual hours 1,000..	4 512		
Production, development, and exploration worker annual wages \$1,000..	85 552		

See footnotes at end of table.

Table 2-1. Detailed Statistics for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
WISCONSIN—Con.		WYOMING—Con.	
Production, development, and exploration worker annual hours	1,000.. 3 611	Total inventories, end of 1996	\$1,000.. 349 875
Production, development, and exploration worker annual wages	\$1,000.. 62 350	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 135 369
Total cost of supplies	\$1,000.. 146 008	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 214 506
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 78 230	Total inventories, end of 1997	\$1,000.. 370 035
Cost of resales	\$1,000.. 7 448	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 144 457
Cost of purchased fuels consumed	\$1,000.. 19 317	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 225 578
Cost of purchased electricity	\$1,000.. 9 150	Capital expenditures (except land and mineral rights)	\$1,000.. 803 592
Cost of contract work	\$1,000.. 31 863	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 489 154
Quantity of electricity purchased	1,000 kWh.. 201 111	Capital expenditures for mineral exploration and development ²	\$1,000.. 314 438
Quantity of electricity generated less sold	1,000 kWh.. D	Capital expenditures for mineral land and rights ³	\$1,000.. 42 224
Cost of purchased communications services	\$1,000.. 883	Total rental payments during year	\$1,000.. 49 000
Total value of shipments and receipts	\$1,000.. 397 491	Rental payments for buildings and other structures	\$1,000.. 7 826
Value of resales	\$1,000.. 7 858	Rental payments for machinery and equipment	\$1,000.. 41 174
Value added by mining	\$1,000.. 311 713	OFFSHORE AREAS NOT ASSOCIATED WITH A STATE	
Total inventories, end of 1996	\$1,000.. 55 355	Companies ¹	number.. 39
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 48 879	All establishments	number.. 41
Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 6 476	Establishments with 0 to 19 employees	number.. 20
Total inventories, end of 1997	\$1,000.. 59 472	Establishments with 20 to 99 employees	number.. 8
Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 52 599	Establishments with 100 employees or more	number.. 13
Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 6 873	All employees for pay period including March 12	number.. 11 135
Capital expenditures (except land and mineral rights)	\$1,000.. 60 230	Annual payroll	\$1,000.. 454 936
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 48 077	Annual fringe benefits not included in payroll	\$1,000.. 116 237
Capital expenditures for mineral exploration and development ²	\$1,000.. 12 153	Production, development, and exploration workers for pay period including March 12	number.. 9 717
Capital expenditures for mineral land and rights ³	\$1,000.. 4 713	Production, development, and exploration worker annual hours	1,000.. 19 196
Total rental payments during year	\$1,000.. 7 952	Production, development, and exploration worker annual wages	\$1,000.. 382 005
Rental payments for buildings and other structures	\$1,000.. 1 092	Total cost of supplies	\$1,000.. 2 185 898
Rental payments for machinery and equipment	\$1,000.. 6 860	Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 1 361 492
WYOMING		Cost of resales	\$1,000.. 29 174
Companies ¹	number.. 596	Cost of purchased fuels consumed	\$1,000.. 53 148
All establishments	number.. 669	Cost of purchased electricity	\$1,000.. 10 476
Establishments with 0 to 19 employees	number.. 538	Cost of contract work	\$1,000.. 731 608
Establishments with 20 to 99 employees	number.. 95	Quantity of electricity purchased	1,000 kWh.. 168 833
Establishments with 100 employees or more	number.. 36	Quantity of electricity generated less sold	1,000 kWh.. D
All employees for pay period including March 12	number.. 15 436	Cost of purchased communications services	\$1,000.. 4 931
Annual payroll	\$1,000.. 722 868	Total value of shipments and receipts	\$1,000.. 5 411 684
Annual fringe benefits not included in payroll	\$1,000.. 198 855	Value of resales	\$1,000.. 35 880
Production, development, and exploration workers for pay period including March 12	number.. 12 367	Value added by mining	\$1,000.. 5 781 925
Production, development, and exploration worker annual hours	1,000.. 26 456	Total inventories, end of 1996	\$1,000.. 126 341
Production, development, and exploration worker annual wages	\$1,000.. 568 974	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1996	\$1,000.. 9 425
Total cost of supplies	\$1,000.. 2 753 851	Supplies, parts, fuels, etc., inventories, end of 1996	\$1,000.. 116 916
Cost of supplies used, minerals received, and purchased machinery installed	\$1,000.. 2 034 334	Total inventories, end of 1997	\$1,000.. 141 351
Cost of resales	\$1,000.. 24 361	Mineral products, crude petroleum, and natural gas liquids inventories, end of 1997	\$1,000.. 12 610
Cost of purchased fuels consumed	\$1,000.. 192 600	Supplies, parts, fuels, etc., inventories, end of 1997	\$1,000.. 128 741
Cost of purchased electricity	\$1,000.. 166 111	Capital expenditures (except land and mineral rights)	\$1,000.. 2 556 139
Cost of contract work	\$1,000.. 336 445	Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 863 450
Quantity of electricity purchased	1,000 kWh.. 4 294 505	Capital expenditures for mineral exploration and development ²	\$1,000.. 1 692 689
Quantity of electricity generated less sold	1,000 kWh.. 868 786	Capital expenditures for mineral land and rights ³	\$1,000.. —
Cost of purchased communications services	\$1,000.. 6 359	Total rental payments during year	\$1,000.. 73 970
Total value of shipments and receipts	\$1,000.. 7 345 118	Rental payments for buildings and other structures	\$1,000.. 25 853
Value of resales	\$1,000.. 31 616	Rental payments for machinery and equipment	\$1,000.. 48 117
Value added by mining	\$1,000.. 5 394 859		

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Excludes data for support activities for mining subsector and natural gas liquid extraction industries where data were not collected.

³Excludes data for support activities for mining subsector and oil and gas extraction industries where data were not collected.

Table 2-2. Industry Statistics by Type of Operation for States and Offshore Areas: 1997

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Geographic area and type of operation	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	
UNITED STATES								
Total	25 000	4 607	509 006	20 798 257	389 232	808 519	15 316 635	133 635 967
Producing establishments	24 539	4 560	504 301	20 580 452	386 986	804 638	15 224 138	133 626 966
Mines or wells only	9 071	1 132	134 979	6 221 496	90 054	178 480	3 874 529	81 712 363
Underground mines	471	227	17 557	686 552	15 832	30 938	605 186	2 026 665
Open-pit mines	995	204	18 295	638 635	15 361	29 562	536 179	2 287 592
Combination mines, well operations, or other types of mines	7 605	701	99 127	4 896 309	58 861	117 980	2 733 164	77 398 106
Mines with preparation plants	4 001	1 541	172 278	7 338 653	141 347	307 663	5 805 532	28 487 755
Underground mines	241	212	43 449	2 084 114	36 922	79 423	1 715 597	7 775 319
Open-pit mines	3 609	1 237	112 217	4 519 011	90 042	197 543	3 473 388	18 341 647
Combination or other types of mines	151	92	16 612	735 528	14 383	30 697	616 547	2 370 789
Separately operated preparation plants	680	235	15 246	736 705	12 691	26 844	608 838	6 270 271
Undistributed ¹	10 787	1 652	181 798	6 283 598	142 894	291 651	4 935 239	17 156 577
Nonproducing establishments	461	47	4 705	217 805	2 246	3 881	92 497	9 001
ALABAMA								
Total	291	84	9 066	370 711	7 421	15 155	292 111	1 774 858
Producing establishments	287	82	D	D	D	D	D	D
Mines or wells only	87	21	1 653	58 327	1 359	2 584	46 818	656 203
Underground mines	4	3	191	6 585	172	271	5 699	30 553
Open-pit mines	40	12	1 051	35 283	891	1 714	30 035	99 300
Combination mines, well operations, or other types of mines	43	6	411	16 459	296	599	11 084	526 350
Mines with preparation plants	84	40	5 927	270 847	4 909	10 541	213 732	935 687
Underground mines	8	7	3 599	186 456	2 978	6 344	147 951	603 710
Open-pit mines	75	32	D	D	D	D	D	D
Combination or other types of mines	1	1	D	D	D	D	D	D
Separately operated preparation plants	7	5	D	D	D	D	D	D
Undistributed ¹	109	16	1 251	32 247	988	1 766	24 647	110 281
Nonproducing establishments	4	2	D	D	D	D	D	D
ALASKA								
Total	141	56	10 137	672 190	7 585	16 638	515 611	9 564 559
Producing establishments	131	55	10 074	669 101	7 531	16 538	512 904	9 569 374
Mines or wells only	17	10	2 596	256 174	1 886	4 473	180 031	8 504 349
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	2	1	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	15	9	D	D	D	D	D	D
Mines with preparation plants	16	7	973	58 194	750	1 781	42 127	322 130
Underground mines	3	3	337	21 303	253	637	16 218	105 031
Open-pit mines	13	4	636	36 891	497	1 144	25 909	217 099
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	1	1	D	D	D	D	D	D
Undistributed ¹	97	37	D	D	D	D	D	D
Nonproducing establishments	10	1	63	3 089	54	100	2 707	S
ARIZONA								
Total	206	49	12 889	510 000	10 699	23 994	409 058	2 170 755
Producing establishments	196	49	12 801	505 785	10 638	23 861	406 116	2 161 754
Mines or wells only	31	4	851	30 614	800	1 566	28 982	27 712
Underground mines	1	—	D	D	D	D	D	D
Open-pit mines	18	4	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	12	—	32	801	21	39	474	5 166
Mines with preparation plants	73	31	10 871	438 589	9 016	19 672	350 248	2 026 085
Underground mines	1	1	D	D	D	D	D	D
Open-pit mines	68	26	7 819	305 179	6 535	14 637	247 936	1 709 858
Combination or other types of mines	4	4	D	D	D	D	D	D
Separately operated preparation plants	3	2	D	D	D	D	D	D
Undistributed ¹	89	12	D	D	D	D	D	D
Nonproducing establishments	10	—	88	4 215	61	133	2 942	9 001
ARKANSAS								
Total	307	43	3 250	97 936	2 602	5 473	74 996	704 404
Producing establishments	303	43	D	D	D	D	D	D
Mines or wells only	124	5	736	24 874	489	1 010	16 123	454 946
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	8	—	61	2 234	41	86	1 396	6 096
Combination mines, well operations, or other types of mines	116	5	675	22 640	448	924	14 727	448 850
Mines with preparation plants	50	23	D	D	D	D	D	D
Underground mines	1	1	D	D	D	D	D	D
Open-pit mines	48	22	1 164	36 974	1 005	2 324	30 153	161 851
Combination or other types of mines	1	—	D	D	D	D	D	D
Separately operated preparation plants	1	—	D	D	D	D	D	D
Undistributed ¹	128	15	1 262	33 231	1 048	1 995	26 932	78 948
Nonproducing establishments	4	—	D	D	D	D	D	D

See footnotes at end of table.

Table 2-2. Industry Statistics by Type of Operation for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Geographic area and type of operation	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	
CALIFORNIA								
Total	910	226	22 110	944 705	16 908	34 647	677 797	7 496 894
Producing establishments	896	225	21 991	939 136	16 818	34 466	673 276	7 495 682
Mines or wells only	236	41	5 038	288 655	3 078	6 183	164 430	5 288 996
Underground mines	4	1	D	D	D	D	D	D
Open-pit mines	21	2	162	4 105	125	228	3 248	9 675
Combination mines, well operations, or other types of mines	211	38	D	D	D	D	D	D
Mines with preparation plants	189	70	5 309	233 928	4 302	8 782	184 784	1 291 545
Underground mines	3	3	133	4 030	118	113	3 438	4 751
Open-pit mines	177	65	4 923	216 716	3 986	8 275	171 762	1 155 897
Combination or other types of mines	9	2	253	13 182	198	394	9 584	130 897
Separately operated preparation plants	33	12	1 035	50 475	831	1 783	39 436	140 933
Undistributed ¹	438	102	10 609	366 078	8 607	17 718	284 626	774 208
Nonproducing establishments	14	1	119	5 569	90	181	4 521	1 212
COLORADO								
Total	885	107	12 263	522 374	7 881	16 173	334 134	2 872 279
Producing establishments	863	103	12 024	509 698	7 715	15 872	327 574	2 879 615
Mines or wells only	331	31	4 936	224 650	2 193	4 621	103 942	1 908 435
Underground mines	6	1	91	3 620	84	186	3 413	7 839
Open-pit mines	16	4	357	14 523	260	513	11 144	38 455
Combination mines, well operations, or other types of mines	309	26	4 488	206 507	1 849	3 922	89 385	1 862 141
Mines with preparation plants	71	28	D	D	D	D	D	D
Underground mines	7	7	1 536	81 701	1 203	2 546	62 155	336 120
Open-pit mines	62	21	1 622	65 765	1 310	2 843	52 989	209 872
Combination or other types of mines	2	—	D	D	D	D	D	D
Separately operated preparation plants	14	6	D	D	D	D	D	D
Undistributed ¹	447	38	3 643	121 227	2 779	5 377	95 370	332 997
Nonproducing establishments	22	4	239	12 676	166	301	6 560	S
CONNECTICUT								
Total	62	9	626	26 722	467	972	19 108	105 029
Producing establishments	61	9	D	D	D	D	D	D
Mines or wells only	8	—	29	904	23	45	689	2 027
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	8	—	29	904	23	45	689	2 027
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	30	8	433	20 389	332	705	14 795	89 990
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	30	8	433	20 389	332	705	14 795	89 990
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	1	—	D	D	D	D	D	D
Undistributed ¹	22	1	D	D	D	D	D	D
Nonproducing establishments	1	—	D	D	D	D	D	D
DELAWARE AND DISTRICT OF COLUMBIA								
Total	11	1	107	3 725	90	182	3 063	14 668
Producing establishments	11	1	107	3 725	90	182	3 063	14 668
Mines or wells only	1	—	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	1	—	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	4	—	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	4	—	D	D	D	D	D	D
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	2	—	D	D	D	D	D	D
Undistributed ¹	4	1	D	D	D	D	D	D
Nonproducing establishments	—	—	—	—	—	—	—	—
FLORIDA								
Total	225	55	6 688	248 626	5 424	11 996	185 773	1 008 554
Producing establishments	222	55	D	D	D	D	D	D
Mines or wells only	39	3	385	12 141	301	570	8 687	143 510
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	15	3	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	24	—	D	D	D	D	D	D
Mines with preparation plants	101	44	5 595	214 898	4 570	10 412	159 743	805 054
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	97	42	5 500	211 557	4 498	10 242	157 633	794 024
Combination or other types of mines	4	2	95	3 341	72	170	2 110	11 030
Separately operated preparation plants	1	1	D	D	D	D	D	D
Undistributed ¹	81	7	D	D	D	D	D	D
Nonproducing establishments	3	—	D	D	D	D	D	D

See footnotes at end of table.

Table 2-2. Industry Statistics by Type of Operation for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Geographic area and type of operation	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	
GEORGIA								
Total	205	76	6 354	233 362	4 984	10 993	169 103	1 023 980
Producing establishments	202	76	D	D	D	D	D	D
Mines or wells only	35	4	501	15 111	378	644	9 972	38 084
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	35	4	501	15 111	378	644	9 972	38 084
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	118	66	5 324	201 991	4 207	9 599	147 051	943 275
Underground mines	2	2	D	D	D	D	D	D
Open-pit mines	116	64	D	D	D	D	D	D
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	1	—	D	D	D	D	D	D
Undistributed ¹	48	6	D	D	D	D	D	D
Nonproducing establishments	3	—	D	D	D	D	D	D
HAWAII								
Total	7	2	120	5 555	100	174	4 666	21 980
Producing establishments	7	2	120	5 555	100	174	4 666	21 980
Mines or wells only	—	—	—	—	—	—	—	—
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	—	—	—	—	—	—	—	—
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	6	2	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	6	2	D	D	D	D	D	D
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	—	—	—	—	—	—	—	—
Undistributed ¹	1	—	D	D	D	D	D	D
Nonproducing establishments	—	—	—	—	—	—	—	—
IDAHO								
Total	118	27	3 021	117 563	2 418	4 722	89 207	291 008
Producing establishments	115	27	D	D	D	D	D	D
Mines or wells only	17	2	D	D	D	D	D	D
Underground mines	7	—	D	D	D	D	D	D
Open-pit mines	10	2	211	9 455	157	272	5 746	28 689
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	40	19	2 265	88 453	1 858	3 706	69 296	214 058
Underground mines	4	4	D	D	D	D	D	D
Open-pit mines	35	14	1 598	63 020	1 306	2 473	49 430	168 132
Combination or other types of mines	1	1	D	D	D	D	D	D
Separately operated preparation plants	1	1	D	D	D	D	D	D
Undistributed ¹	57	5	450	15 609	369	679	12 854	37 755
Nonproducing establishments	3	—	D	D	D	D	D	D
ILLINOIS								
Total	650	94	10 798	437 469	8 557	17 252	339 108	1 380 726
Producing establishments	639	92	10 697	432 261	8 507	17 153	337 007	1 385 864
Mines or wells only	212	13	1 864	71 064	1 491	2 804	58 896	298 543
Underground mines	3	3	D	D	D	D	D	D
Open-pit mines	9	1	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	200	9	906	21 614	598	992	13 116	133 110
Mines with preparation plants	184	59	6 947	300 947	5 539	11 325	229 757	953 520
Underground mines	13	12	3 247	150 550	2 789	5 412	123 564	426 683
Open-pit mines	169	46	D	D	D	D	D	D
Combination or other types of mines	2	1	D	D	D	D	D	D
Separately operated preparation plants	8	4	216	9 607	153	328	6 947	21 595
Undistributed ¹	235	16	1 670	50 643	1 324	2 696	41 407	112 206
Nonproducing establishments	11	2	101	5 208	50	99	2 101	S
INDIANA								
Total	347	61	6 007	241 279	5 013	11 333	200 423	794 724
Producing establishments	340	60	D	D	D	D	D	D
Mines or wells only	82	9	1 280	58 700	1 099	2 367	50 286	181 532
Underground mines	4	2	199	9 480	187	412	8 841	27 287
Open-pit mines	19	5	816	40 833	764	1 691	38 810	113 011
Combination mines, well operations, or other types of mines	59	2	265	8 387	148	264	2 635	41 234
Mines with preparation plants	159	45	D	D	D	D	D	D
Underground mines	3	3	907	31 574	802	1 927	29 070	102 870
Open-pit mines	152	39	2 895	121 108	2 375	5 546	97 854	432 672
Combination or other types of mines	4	3	D	D	D	D	D	D
Separately operated preparation plants	8	1	84	2 585	75	170	2 222	10 694
Undistributed ¹	91	5	636	19 182	495	1 002	14 951	43 744
Nonproducing establishments	7	1	D	D	D	D	D	D

See footnotes at end of table.

Table 2-2. Industry Statistics by Type of Operation for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Geographic area and type of operation	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	
IOWA								
Total	177	24	1 700	55 440	1 428	2 867	45 538	217 107
Producing establishments	164	24	1 689	55 138	1 421	2 852	45 314	217 347
Mines or wells only	1	—	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	1	—	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	130	23	1 492	49 212	1 261	2 545	40 446	202 438
Underground mines	3	1	D	D	D	D	D	D
Open-pit mines	124	21	1 369	44 615	1 151	2 300	36 319	182 743
Combination or other types of mines	3	1	D	D	D	D	D	D
Separately operated preparation plants	9	—	D	D	D	D	D	D
Undistributed ¹	24	1	D	D	D	D	D	D
Nonproducing establishments	13	—	11	302	7	15	224	S
KANSAS								
Total	1 026	89	7 998	244 526	5 993	11 554	174 106	2 177 593
Producing establishments	1 012	88	7 877	241 337	5 951	11 487	173 229	2 177 473
Mines or wells only	478	30	3 373	112 051	2 453	4 595	75 824	1 750 543
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	15	1	94	1 593	69	80	1 219	6 090
Combination mines, well operations, or other types of mines	463	29	3 279	110 458	2 384	4 515	74 605	1 744 453
Mines with preparation plants	68	13	D	D	D	D	D	D
Underground mines	3	2	147	6 185	118	271	3 657	13 299
Open-pit mines	64	10	741	18 932	595	1 221	14 478	68 668
Combination or other types of mines	1	1	D	D	D	D	D	D
Separately operated preparation plants	19	5	D	D	D	D	D	D
Undistributed ¹	447	40	3 205	85 234	2 488	4 742	65 464	198 102
Nonproducing establishments	14	1	121	3 189	42	67	877	120
KENTUCKY								
Total	691	261	22 400	832 468	19 413	40 511	717 793	3 297 393
Producing establishments	681	260	22 350	831 088	19 379	40 479	717 176	3 297 544
Mines or wells only	355	132	9 523	325 858	8 163	15 774	282 889	1 075 199
Underground mines	145	73	5 562	202 021	5 097	9 964	185 371	589 861
Open-pit mines	107	45	2 801	92 566	2 435	4 638	81 169	291 520
Combination mines, well operations, or other types of mines	103	14	1 160	31 271	631	1 172	16 349	193 818
Mines with preparation plants	138	90	10 019	411 612	8 811	19 832	353 393	1 848 230
Underground mines	40	38	5 713	251 998	5 095	11 220	219 640	1 106 287
Open-pit mines	93	48	3 547	125 881	3 077	7 058	105 717	611 826
Combination or other types of mines	5	4	759	33 733	639	1 554	28 036	130 117
Separately operated preparation plants	27	17	788	34 313	687	1 594	28 634	230 345
Undistributed ¹	161	21	2 020	59 305	1 718	3 279	52 260	143 770
Nonproducing establishments	10	1	50	1 380	34	32	617	S
LOUISIANA								
Total	1 608	391	52 816	2 302 325	38 255	83 281	1 597 540	21 889 018
Producing establishments	1 598	390	52 663	2 297 320	38 226	83 229	1 596 347	21 893 237
Mines or wells only	475	95	15 459	863 398	9 380	19 643	505 821	16 988 290
Underground mines	1	1	D	D	D	D	D	D
Open-pit mines	9	1	75	1 705	65	117	1 349	5 587
Combination mines, well operations, or other types of mines	465	93	D	D	D	D	D	D
Mines with preparation plants	31	12	1 148	41 917	835	1 716	29 096	148 628
Underground mines	2	2	D	D	D	D	D	D
Open-pit mines	22	6	478	16 295	376	711	11 722	63 174
Combination or other types of mines	7	4	D	D	D	D	D	D
Separately operated preparation plants	99	22	1 859	105 330	1 664	3 603	93 157	943 325
Undistributed ¹	993	261	34 197	1 286 675	26 347	58 267	968 273	3 812 994
Nonproducing establishments	10	1	153	5 005	29	52	1 193	S
MAINE								
Total	21	1	76	1 485	50	89	1 006	4 449
Producing establishments	21	1	76	1 485	50	89	1 006	4 449
Mines or wells only	1	—	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	1	—	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	9	1	46	1 045	31	65	659	3 351
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	9	1	46	1 045	31	65	659	3 351
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	—	—	—	—	—	—	—	—
Undistributed ¹	11	—	D	D	D	D	D	D
Nonproducing establishments	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 2-2. Industry Statistics by Type of Operation for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Geographic area and type of operation	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	
MARYLAND								
Total	93	27	1 771	64 402	1 429	3 062	51 505	257 205
Producing establishments	93	27	1 771	64 402	1 429	3 062	51 505	257 205
Mines or wells only	22	3	180	4 285	148	277	3 488	16 937
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	18	3	169	4 142	141	263	3 404	15 979
Combination mines, well operations, or other types of mines	4	—	11	143	7	14	84	958
Mines with preparation plants	47	20	1 336	52 287	1 154	2 546	43 546	221 243
Underground mines	1	1	D	D	D	D	D	D
Open-pit mines	45	18	D	D	D	D	D	D
Combination or other types of mines	1	1	D	D	D	D	D	D
Separately operated preparation plants	8	2	D	D	D	D	D	D
Undistributed ¹	16	2	D	D	D	D	D	D
Nonproducing establishments	—	—	—	—	—	—	—	—
MASSACHUSETTS								
Total	72	17	1 063	41 808	704	1 474	27 263	109 896
Producing establishments	70	17	D	D	D	D	D	D
Mines or wells only	3	—	30	735	26	37	552	1 617
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	3	—	30	735	26	37	552	1 617
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	40	13	738	31 556	473	1 050	20 125	89 011
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	40	13	738	31 556	473	1 050	20 125	89 011
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	2	—	D	D	D	D	D	D
Undistributed ¹	25	4	265	8 073	198	373	6 186	16 817
Nonproducing establishments	2	—	D	D	D	D	D	D
MICHIGAN								
Total	445	59	6 687	270 831	5 030	11 051	202 000	1 182 305
Producing establishments	433	58	6 615	267 714	4 999	10 998	201 045	1 170 253
Mines or wells only	113	13	914	35 003	550	1 092	19 542	548 244
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	9	—	48	1 602	34	62	1 119	6 853
Combination mines, well operations, or other types of mines	104	13	866	33 401	516	1 030	18 423	541 391
Mines with preparation plants	92	20	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	91	19	3 495	157 195	2 843	6 679	125 276	406 197
Combination or other types of mines	1	1	D	D	D	D	D	D
Separately operated preparation plants	6	1	D	D	D	D	D	D
Undistributed ¹	222	24	2 016	65 343	1 471	2 936	49 552	158 663
Nonproducing establishments	12	1	72	3 117	31	53	955	12 052
MINNESOTA								
Total	145	26	7 154	347 686	6 071	13 371	289 965	954 423
Producing establishments	145	26	7 154	347 686	6 071	13 371	289 965	954 423
Mines or wells only	19	4	242	7 806	204	346	6 019	55 391
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	19	4	242	7 806	204	346	6 019	55 391
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	66	18	6 325	317 920	5 391	12 090	266 384	840 758
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	66	18	6 325	317 920	5 391	12 090	266 384	840 758
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	2	1	D	D	D	D	D	D
Undistributed ¹	58	3	D	D	D	D	D	D
Nonproducing establishments	—	—	—	—	—	—	—	—
MISSISSIPPI								
Total	368	54	4 096	114 977	3 100	6 321	81 411	530 732
Producing establishments	359	52	4 028	113 550	3 083	6 290	80 722	528 343
Mines or wells only	126	6	830	32 065	576	1 254	19 357	311 157
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	7	1	194	4 958	159	385	3 698	11 537
Combination mines, well operations, or other types of mines	119	5	636	27 107	417	869	15 659	299 620
Mines with preparation plants	35	14	778	19 409	629	1 401	14 883	60 588
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	35	14	778	19 409	629	1 401	14 883	60 588
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	—	—	—	—	—	—	—	—
Undistributed ¹	198	32	2 420	62 076	1 878	3 635	46 482	156 598
Nonproducing establishments	9	2	68	1 427	17	31	689	2 389

See footnotes at end of table.

Table 2-2. Industry Statistics by Type of Operation for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Geographic area and type of operation	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	
MISSOURI								
Total	306	53	4 561	146 321	3 645	6 875	115 351	503 038
Producing establishments	297	53	D	D	D	D	D	D
Mines or wells only	30	1	D	D	D	D	D	D
Underground mines	1	—	D	D	D	D	D	D
Open-pit mines	16	1	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	13	—	39	730	26	51	469	4 551
Mines with preparation plants	195	48	3 934	132 145	3 147	6 101	104 024	465 894
Underground mines	8	7	942	35 536	828	1 560	30 923	125 246
Open-pit mines	178	35	2 578	84 126	1 981	4 002	63 486	306 324
Combination or other types of mines	9	6	414	12 483	338	539	9 615	34 324
Separately operated preparation plants	3	—	D	D	D	D	D	D
Undistributed ¹	69	4	432	9 385	340	501	7 505	25 101
Nonproducing establishments	9	—	D	D	D	D	D	D
MONTANA								
Total	294	42	5 328	216 251	3 864	8 020	146 238	1 047 353
Producing establishments	278	40	4 898	195 644	3 824	7 940	144 471	1 046 456
Mines or wells only	87	7	609	22 828	390	727	13 902	267 683
Underground mines	1	—	D	D	D	D	D	D
Open-pit mines	5	1	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	81	6	D	D	D	D	D	D
Mines with preparation plants	32	15	2 805	125 470	2 257	4 917	92 011	645 501
Underground mines	1	—	D	D	D	D	D	D
Open-pit mines	31	15	D	D	D	D	D	D
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	1	1	D	D	D	D	D	D
Undistributed ¹	158	17	D	D	D	D	D	D
Nonproducing establishments	16	2	430	20 607	40	80	1 767	897
NEBRASKA								
Total	150	12	1 078	31 055	858	1 491	23 681	104 091
Producing establishments	143	11	1 051	30 916	833	1 485	23 550	104 143
Mines or wells only	30	1	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	2	—	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	28	1	D	D	D	D	D	D
Mines with preparation plants	31	4	388	14 593	312	663	11 308	54 924
Underground mines	2	1	D	D	D	D	D	D
Open-pit mines	21	2	211	5 886	163	312	4 490	18 536
Combination or other types of mines	8	1	D	D	D	D	D	D
Separately operated preparation plants	1	1	D	D	D	D	D	D
Undistributed ¹	81	5	478	10 513	392	598	8 605	21 095
Nonproducing establishments	7	1	27	139	25	6	131	S
NEVADA								
Total	250	68	14 035	625 808	12 451	26 420	552 917	1 959 168
Producing establishments	225	66	13 845	616 750	12 318	26 110	546 499	1 945 811
Mines or wells only	25	2	221	7 268	158	316	4 982	38 033
Underground mines	2	1	D	D	D	D	D	D
Open-pit mines	10	1	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	13	—	51	2 168	34	69	1 368	13 775
Mines with preparation plants	63	37	11 490	525 485	10 354	22 254	472 254	1 725 534
Underground mines	4	1	D	D	D	D	D	D
Open-pit mines	53	30	4 610	198 851	3 943	8 227	169 746	871 052
Combination or other types of mines	6	6	D	D	D	D	D	D
Separately operated preparation plants	3	2	D	D	D	D	D	D
Undistributed ¹	134	25	D	D	D	D	D	D
Nonproducing establishments	25	2	190	9 058	133	310	6 418	13 357
NEW HAMPSHIRE								
Total	32	6	396	18 327	293	663	13 551	43 640
Producing establishments	32	6	396	18 327	293	663	13 551	43 640
Mines or wells only	—	—	—	—	—	—	—	—
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	—	—	—	—	—	—	—	—
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	14	3	140	6 530	91	188	4 233	13 303
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	14	3	140	6 530	91	188	4 233	13 303
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	—	—	—	—	—	—	—	—
Undistributed ¹	18	3	256	11 797	202	475	9 318	30 337
Nonproducing establishments	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 2-2. Industry Statistics by Type of Operation for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Geographic area and type of operation	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	
NEW JERSEY								
Total	95	28	1 864	84 161	1 350	2 919	59 724	242 579
Producing establishments	95	28	1 864	84 161	1 350	2 919	59 724	242 579
Mines or wells only	5	1	91	1 304	35	58	989	3 609
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	5	1	91	1 304	35	58	989	3 609
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	53	23	1 482	70 845	1 117	2 439	49 690	213 646
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	50	20	1 389	65 837	1 054	2 305	46 612	190 089
Combination or other types of mines	3	3	93	5 008	63	134	3 078	23 557
Separately operated preparation plants	—	—	—	—	—	—	—	—
Undistributed ¹	37	4	291	12 012	198	422	9 045	25 324
Nonproducing establishments	—	—	—	—	—	—	—	—
NEW MEXICO								
Total	606	133	14 600	573 699	11 520	23 719	437 690	5 336 170
Producing establishments	598	133	14 573	572 770	11 499	23 684	437 162	5 336 600
Mines or wells only	201	25	2 273	101 315	1 670	3 497	73 654	3 463 524
Underground mines	1	—	D	D	D	D	D	D
Open-pit mines	5	—	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	195	25	2 229	100 606	1 638	3 459	73 120	3 461 055
Mines with preparation plants	38	23	5 094	224 530	4 047	8 529	164 029	1 081 391
Underground mines	6	6	D	D	D	D	D	D
Open-pit mines	29	15	3 104	147 967	2 445	5 230	107 856	833 145
Combination or other types of mines	3	2	D	D	D	D	D	D
Separately operated preparation plants	35	17	D	D	D	D	D	D
Undistributed ¹	324	68	D	D	D	D	D	D
Nonproducing establishments	8	—	27	929	21	35	528	S
NEW YORK								
Total	359	43	3 879	142 426	2 819	6 101	102 235	474 221
Producing establishments	357	43	D	D	D	D	D	D
Mines or wells only	76	6	D	D	D	D	D	D
Underground mines	3	2	D	D	D	D	D	D
Open-pit mines	18	1	105	3 316	78	164	2 430	8 765
Combination mines, well operations, or other types of mines	55	3	311	10 349	199	426	6 344	49 136
Mines with preparation plants	155	31	2 548	100 090	1 877	4 220	72 700	316 326
Underground mines	1	1	D	D	D	D	D	D
Open-pit mines	154	30	D	D	D	D	D	D
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	1	—	D	D	D	D	D	D
Undistributed ¹	125	6	800	24 466	589	1 138	18 468	65 471
Nonproducing establishments	2	—	D	D	D	D	D	D
NORTH CAROLINA								
Total	171	68	3 231	117 903	2 644	6 012	92 540	533 458
Producing establishments	168	68	D	D	D	D	D	D
Mines or wells only	9	3	130	2 938	108	152	2 309	7 999
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	9	3	130	2 938	108	152	2 309	7 999
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	123	61	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	121	61	2 799	107 385	2 300	5 433	84 505	509 460
Combination or other types of mines	2	—	D	D	D	D	D	D
Separately operated preparation plants	—	—	—	—	—	—	—	—
Undistributed ¹	36	4	292	7 211	229	419	5 567	15 882
Nonproducing establishments	3	—	D	D	D	D	D	D
NORTH DAKOTA								
Total	227	39	4 098	176 283	3 361	6 816	145 374	1 016 514
Producing establishments	223	39	D	D	D	D	D	D
Mines or wells only	55	6	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	3	1	51	1 419	39	60	1 217	S
Combination mines, well operations, or other types of mines	52	5	D	D	D	D	D	D
Mines with preparation plants	14	6	1 073	57 645	846	1 611	45 316	199 967
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	14	6	1 073	57 645	846	1 611	45 316	199 967
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	4	2	99	4 324	62	129	2 505	12 622
Undistributed ¹	150	25	1 906	62 738	1 575	3 162	52 487	153 131
Nonproducing establishments	4	—	D	D	D	D	D	D

See footnotes at end of table.

Table 2-2. Industry Statistics by Type of Operation for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Geographic area and type of operation	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	
OHIO								
Total	828	128	11 997	453 648	8 961	18 296	324 021	1 746 314
Producing establishments	814	128	11 951	451 834	8 946	18 269	323 461	1 746 043
Mines or wells only	294	26	3 241	117 835	2 180	4 392	76 284	685 999
Underground mines	3	3	277	16 539	220	382	12 436	44 871
Open-pit mines	54	9	836	27 673	677	1 416	23 195	81 802
Combination mines, well operations, or other types of mines	237	14	2 128	73 623	1 283	2 594	40 653	559 326
Mines with preparation plants	211	68	6 175	260 027	4 814	10 034	189 149	874 643
Underground mines	7	6	2 040	109 502	1 585	3 295	78 145	323 156
Open-pit mines	190	54	3 612	126 326	2 780	5 815	91 463	437 097
Combination or other types of mines	14	8	523	24 199	449	924	19 541	114 390
Separately operated preparation plants	8	2	123	3 820	87	173	2 766	4 463
Undistributed ¹	301	32	2 412	70 152	1 865	3 670	55 262	180 938
Nonproducing establishments	14	—	46	1 814	15	27	560	271
OKLAHOMA								
Total	2 271	238	25 976	967 290	16 957	33 361	584 559	5 508 934
Producing establishments	2 252	236	25 714	954 636	16 884	33 210	581 526	5 504 925
Mines or wells only	1 064	71	10 594	471 717	5 066	9 951	210 795	4 042 628
Underground mines	2	1	D	D	D	D	D	D
Open-pit mines	9	1	58	758	43	56	579	1 733
Combination mines, well operations, or other types of mines	1 053	69	D	D	D	D	D	D
Mines with preparation plants	80	36	D	D	D	D	D	D
Underground mines	1	1	D	D	D	D	D	D
Open-pit mines	77	34	1 604	42 736	1 399	2 845	36 576	140 266
Combination or other types of mines	2	1	D	D	D	D	D	D
Separately operated preparation plants	55	13	D	D	D	D	D	D
Undistributed ¹	1 053	116	12 489	393 147	9 600	18 634	295 189	992 964
Nonproducing establishments	19	2	262	12 654	73	151	3 033	4 009
OREGON								
Total	134	28	1 739	61 387	1 216	2 657	43 189	161 107
Producing establishments	130	28	D	D	D	D	D	D
Mines or wells only	9	—	53	1 531	39	76	1 130	4 840
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	5	—	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	4	—	D	D	D	D	D	D
Mines with preparation plants	71	19	1 094	37 057	721	1 480	24 372	101 446
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	70	18	D	D	D	D	D	D
Combination or other types of mines	1	1	D	D	D	D	D	D
Separately operated preparation plants	3	1	D	D	D	D	D	D
Undistributed ¹	47	8	523	20 697	398	973	15 876	50 305
Nonproducing establishments	4	—	D	D	D	D	D	D
PENNSYLVANIA								
Total	914	190	17 522	676 663	14 262	29 687	538 762	2 411 032
Producing establishments	898	189	17 389	671 595	14 184	29 662	536 211	2 411 234
Mines or wells only	385	57	6 100	224 252	5 025	9 893	179 716	844 515
Underground mines	32	16	2 423	111 689	2 116	4 378	92 565	363 754
Open-pit mines	215	26	2 459	69 997	2 038	3 698	59 531	222 544
Combination mines, well operations, or other types of mines	138	15	1 218	42 566	871	1 817	27 620	258 217
Mines with preparation plants	247	93	8 613	363 322	7 099	15 749	291 538	1 265 268
Underground mines	16	15	3 162	174 470	2 772	6 396	152 148	679 761
Open-pit mines	210	68	4 742	165 097	3 720	7 981	120 189	505 816
Combination or other types of mines	21	10	709	23 755	607	1 372	19 201	79 691
Separately operated preparation plants	11	6	291	14 989	227	536	12 170	131 710
Undistributed ¹	255	33	2 385	69 032	1 833	3 484	52 787	169 741
Nonproducing establishments	16	1	133	5 068	78	25	2 551	S
RHODE ISLAND								
Total	16	2	120	4 619	82	165	3 258	12 954
Producing establishments	16	2	120	4 619	82	165	3 258	12 954
Mines or wells only	1	—	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	1	—	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	9	2	101	4 259	67	144	2 949	11 897
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	9	2	101	4 259	67	144	2 949	11 897
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	—	—	—	—	—	—	—	—
Undistributed ¹	6	—	D	D	D	D	D	D
Nonproducing establishments	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 2-2. Industry Statistics by Type of Operation for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Geographic area and type of operation	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	
SOUTH CAROLINA								
Total	74	25	1 388	44 448	1 099	2 390	34 364	166 212
Producing establishments	71	25	D	D	D	D	D	D
Mines or wells only	5	—	48	1 262	39	67	969	3 120
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	5	—	48	1 262	39	67	969	3 120
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	48	25	1 193	39 547	955	2 146	30 786	155 270
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	48	25	1 193	39 547	955	2 146	30 786	155 270
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	1	—	D	D	D	D	D	D
Undistributed ¹	17	—	126	3 046	96	157	2 374	7 622
Nonproducing establishments	3	—	D	D	D	D	D	D
SOUTH DAKOTA								
Total	67	12	1 837	66 713	1 635	3 081	58 831	166 235
Producing establishments	65	12	D	D	D	D	D	D
Mines or wells only	9	2	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	3	1	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	6	1	D	D	D	D	D	D
Mines with preparation plants	20	6	430	13 198	350	718	10 108	46 396
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	20	6	430	13 198	350	718	10 108	46 396
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	1	1	D	D	D	D	D	D
Undistributed ¹	35	3	D	D	D	D	D	D
Nonproducing establishments	2	—	D	D	D	D	D	D
TENNESSEE								
Total	221	70	4 473	136 579	3 614	7 704	99 868	479 187
Producing establishments	217	69	4 438	135 533	3 590	7 659	99 339	476 948
Mines or wells only	40	10	892	24 784	771	1 495	19 254	46 273
Underground mines	10	5	487	13 321	450	843	11 402	9 893
Open-pit mines	15	2	292	6 848	242	486	5 607	19 414
Combination mines, well operations, or other types of mines	15	3	113	4 615	79	166	2 245	16 966
Mines with preparation plants	126	54	3 157	99 795	2 525	5 594	72 719	389 741
Underground mines	9	6	517	17 996	430	1 003	13 945	72 799
Open-pit mines	111	43	2 346	73 459	1 875	4 177	53 165	299 077
Combination or other types of mines	6	5	294	8 340	220	414	5 609	17 865
Separately operated preparation plants	4	2	67	2 107	39	89	1 138	21 275
Undistributed ¹	47	3	322	8 847	255	481	6 228	19 659
Nonproducing establishments	4	1	35	1 046	24	45	529	2 239
TEXAS								
Total	6 412	891	105 492	4 333 593	73 686	148 052	2 830 741	32 485 005
Producing establishments	6 314	879	104 145	4 263 890	73 230	147 232	2 807 619	32 474 348
Mines or wells only	3 027	259	39 682	1 988 076	22 932	44 293	1 026 215	24 030 647
Underground mines	1	—	D	D	D	D	D	D
Open-pit mines	49	10	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	2 977	249	38 462	1 940 728	22 030	42 712	994 400	23 912 335
Mines with preparation plants	155	59	5 569	219 219	4 224	9 199	153 574	693 629
Underground mines	1	1	D	D	D	D	D	D
Open-pit mines	146	51	4 829	189 421	3 581	7 925	128 599	614 189
Combination or other types of mines	8	7	D	D	D	D	D	D
Separately operated preparation plants	208	64	3 939	199 905	3 221	6 915	163 364	2 842 576
Undistributed ¹	2 924	497	54 955	1 856 690	42 853	86 825	1 464 466	4 907 496
Nonproducing establishments	98	12	1 347	69 703	456	820	23 122	10 657
UTAH								
Total	316	74	8 134	334 886	6 593	12 969	256 533	1 875 302
Producing establishments	306	72	7 879	319 984	6 421	12 660	251 327	1 884 191
Mines or wells only	83	19	1 382	49 507	988	1 662	34 592	724 270
Underground mines	14	7	538	15 452	500	662	14 267	31 904
Open-pit mines	10	—	45	1 697	34	62	1 236	3 552
Combination mines, well operations, or other types of mines	59	12	799	32 358	454	938	19 089	688 814
Mines with preparation plants	36	23	3 826	183 363	3 212	6 631	145 916	767 936
Underground mines	12	10	2 184	113 794	1 820	3 709	92 434	574 614
Open-pit mines	19	8	682	31 201	558	1 248	21 847	74 442
Combination or other types of mines	5	5	960	38 368	834	1 674	31 635	118 880
Separately operated preparation plants	10	3	D	D	D	D	D	D
Undistributed ¹	177	27	D	D	D	D	D	D
Nonproducing establishments	10	2	255	14 902	172	309	5 206	S

See footnotes at end of table.

Table 2-2. Industry Statistics by Type of Operation for States and Offshore Areas: 1997—Con.

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Geographic area and type of operation	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	
VERMONT								
Total	52	5	658	22 184	538	1 055	17 579	72 053
Producing establishments	52	5	658	22 184	538	1 055	17 579	72 053
Mines or wells only	9	1	81	1 949	69	99	1 590	7 385
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	9	1	81	1 949	69	99	1 590	7 385
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	26	4	536	19 266	443	914	15 185	62 444
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	26	4	536	19 266	443	914	15 185	62 444
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	—	—	—	—	—	—	—	—
Undistributed ¹	17	—	41	969	26	42	804	2 224
Nonproducing establishments	—	—	—	—	—	—	—	—
VIRGINIA								
Total	417	177	11 711	429 463	9 860	19 684	351 573	1 448 504
Producing establishments	409	176	11 677	428 823	9 837	19 669	351 266	1 449 233
Mines or wells only	189	80	4 494	162 069	3 947	7 510	139 493	479 588
Underground mines	122	56	3 076	107 932	2 741	5 086	93 053	279 101
Open-pit mines	43	21	1 138	41 217	1 011	2 026	37 649	128 300
Combination mines, well operations, or other types of mines	24	3	280	12 920	195	398	8 791	72 187
Mines with preparation plants	143	75	5 922	225 384	4 877	10 319	178 932	795 084
Underground mines	21	18	2 784	117 457	2 360	4 724	95 507	398 173
Open-pit mines	118	55	2 998	102 128	2 396	5 355	78 407	371 598
Combination or other types of mines	4	2	140	5 799	121	240	5 018	25 313
Separately operated preparation plants	12	7	435	16 923	369	656	13 802	123 309
Undistributed ¹	65	14	826	24 447	644	1 184	19 039	51 252
Nonproducing establishments	8	1	34	640	23	15	307	S
WASHINGTON								
Total	154	25	2 890	114 324	2 170	4 512	85 552	348 929
Producing establishments	151	25	2 860	112 767	2 143	4 455	84 294	344 721
Mines or wells only	12	2	154	4 701	125	213	3 707	10 441
Underground mines	2	—	D	D	D	D	D	D
Open-pit mines	10	2	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	73	18	2 195	90 722	1 644	3 505	67 607	294 377
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	71	17	D	D	D	D	D	D
Combination or other types of mines	2	1	D	D	D	D	D	D
Separately operated preparation plants	3	2	90	3 941	53	90	2 357	10 825
Undistributed ¹	63	3	421	13 403	321	647	10 623	29 078
Nonproducing establishments	3	—	30	1 557	27	57	1 258	4 208
WEST VIRGINIA								
Total	766	230	23 927	1 042 187	20 450	43 322	882 890	4 160 931
Producing establishments	743	226	23 483	1 024 652	20 058	42 730	868 215	4 172 267
Mines or wells only	413	95	7 854	311 939	6 698	13 560	264 601	1 216 906
Underground mines	101	52	3 431	143 924	3 141	6 401	129 851	424 104
Open-pit mines	87	27	2 540	105 466	2 263	4 641	93 464	395 738
Combination mines, well operations, or other types of mines	225	16	1 883	62 549	1 294	2 518	41 286	397 064
Mines with preparation plants	110	81	11 970	579 489	10 383	22 962	494 328	2 492 477
Underground mines	50	46	8 962	447 158	7 922	17 333	384 924	1 845 401
Open-pit mines	54	31	2 291	96 619	1 844	4 102	79 281	466 673
Combination or other types of mines	6	4	717	35 712	617	1 527	30 123	180 403
Separately operated preparation plants	26	14	D	D	D	D	D	D
Undistributed ¹	194	36	D	D	D	D	D	D
Nonproducing establishments	23	4	444	17 535	392	592	14 675	S
WISCONSIN								
Total	147	29	2 304	92 070	1 598	3 611	62 350	311 713
Producing establishments	144	29	D	D	D	D	D	D
Mines or wells only	11	2	111	3 710	77	128	2 282	32 186
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	11	2	111	3 710	77	128	2 282	32 186
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—
Mines with preparation plants	92	23	1 847	77 701	1 282	3 038	53 872	247 936
Underground mines	1	—	D	D	D	D	D	D
Open-pit mines	91	23	D	D	D	D	D	D
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	4	1	61	1 924	45	101	1 168	4 843
Undistributed ¹	37	3	D	D	D	D	D	D
Nonproducing establishments	3	—	D	D	D	D	D	D

See footnotes at end of table.

Table 2-2. **Industry Statistics by Type of Operation for States and Offshore Areas: 1997—Con.**

[Offshore areas refer to those areas not associated with a state. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Geographic area and type of operation	All establishments		All employees		Production, development, and exploration workers			Value added by mining (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)	
WYOMING								
Total	669	131	15 436	722 868	12 367	26 456	568 974	5 394 859
Producing establishments	656	129	15 337	716 636	12 287	26 281	563 394	5 388 319
Mines or wells only	174	22	1 818	85 961	1 351	2 822	64 812	2 699 013
Underground mines	1	—	D	D	D	D	D	D
Open-pit mines	5	—	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	168	22	1 795	85 432	1 337	2 798	64 544	2 697 626
Mines with preparation plants	55	38	7 626	420 312	6 149	13 725	321 427	2 108 680
Underground mines	7	6	2 888	164 366	2 293	5 039	126 403	594 532
Open-pit mines	43	28	4 500	243 029	3 673	8 292	186 641	1 446 805
Combination or other types of mines	5	4	238	12 917	183	394	8 383	67 343
Separately operated preparation plants	33	15	785	37 240	729	1 455	34 530	127 951
Undistributed ¹	394	54	5 108	173 123	4 058	8 279	142 625	452 675
Nonproducing establishments	13	2	99	6 232	80	175	5 580	6 540
OFFSHORE AREAS NOT ASSOCIATED WITH A STATE								
Total	41	21	11 135	454 936	9 717	19 196	382 005	5 781 925
Producing establishments	36	21	D	D	D	D	D	D
Mines or wells only	15	8	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	—	—	—	—	—	—	—	—
Combination mines, well operations, or other types of mines	15	8	D	D	D	D	D	D
Mines with preparation plants	—	—	—	—	—	—	—	—
Underground mines	—	—	—	—	—	—	—	—
Open-pit mines	—	—	—	—	—	—	—	—
Combination or other types of mines	—	—	—	—	—	—	—	—
Separately operated preparation plants	—	—	—	—	—	—	—	—
Undistributed ¹	21	13	9 492	367 996	8 509	16 609	317 486	1 849 983
Nonproducing establishments	5	—	D	D	D	D	D	D

¹Includes data for establishments that were not possible to classify based on information available.

Table 3-1. Inventories With LIFO Valuation by Industry: 1997

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

Item	Beginning of 1997 (\$1,000)	End of 1997 (\$1,000)	Item	Beginning of 1997 (\$1,000)	End of 1997 (\$1,000)
21, MINING			212, MINING (EXCEPT OIL & GAS)		
Total inventories	7 397 054	7 695 920	Total inventories	4 850 641	4 952 614
Subject to last-in, first-out (LIFO) costing ¹	602 483	621 102	Subject to last-in, first-out (LIFO) costing ¹	461 339	483 322
LIFO reserve	145 308	147 297	LIFO reserve	97 509	107 696
LIFO value	457 175	473 805	LIFO value	363 830	375 626
Not subject to LIFO costing	4 409 332	4 708 407	Not subject to LIFO costing	3 257 490	3 345 409
Valuation method not reported ²	2 337 219	2 318 221	Valuation method not reported ²	1 086 018	1 079 136
Amount subject to LIFO reported without associated reserve and value ³	48 020	48 190	Amount subject to LIFO reported without associated reserve and value ³	45 794	44 747
211, OIL & GAS EXTRACTION			213, SUPPORT ACTIVITIES FOR MINING		
Total inventories	1 509 341	1 565 947	Total inventories	1 037 072	1 177 359
Subject to last-in, first-out (LIFO) costing ¹	59 470	55 159	Subject to last-in, first-out (LIFO) costing ¹	81 674	82 621
LIFO reserve	D	D	LIFO reserve	D	D
LIFO value	D	D	LIFO value	D	D
Not subject to LIFO costing	763 293	831 275	Not subject to LIFO costing	388 549	531 723
Valuation method not reported ²	685 038	676 651	Valuation method not reported ²	566 163	562 434
Amount subject to LIFO reported without associated reserve and value ³	1 540	2 862	Amount subject to LIFO reported without associated reserve and value ³	686	581

¹Only includes data reported by respondents who (a) indicated amount of inventories subject to LIFO cost, and (b) provided sufficient information to determine associated LIFO reserve and value figures.

²Includes data estimated for nonresponse and nonmail administrative records and data reported by respondents who provided total inventory figures without other information.

³Includes data reported by respondents who indicated their inventories were subject to LIFO cost but did not provide associated reserve and value figures.

Table 3-2. Industry Statistics by Type of Company Ownership and Legal Form of Organization: 1997

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

Industry, type of company ownership, and legal form of organization	Com-panies ¹	All estab-lish-ments ²	All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)
			For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
21, MINING											
Total	19 985	25 000	509 006	20 798 257	389 232	808 519	15 316 635	133 635 967	71 403 716	173 985 314	31 054 369
Type of company ownership											
Single-establishment companies	18 329	18 329	173 994	5 569 535	127 033	242 482	3 927 433	21 435 740	9 205 130	26 673 042	3 967 828
Corporate	13 707	13 707	144 647	4 732 071	105 975	204 678	3 350 783	17 586 702	7 560 034	22 089 450	3 057 286
Noncorporate	4 622	4 622	29 347	837 464	21 058	37 804	576 650	3 849 038	1 645 096	4 583 592	910 542
Multiestablishment companies	1 656	6 671	335 012	15 228 722	262 199	566 037	11 389 202	112 200 227	62 198 586	147 312 272	27 086 541
Corporate	1 526	6 185	310 161	14 168 405	241 357	520 099	10 523 978	105 992 252	54 368 868	134 092 959	26 268 161
Noncorporate	130	486	24 851	1 060 317	20 842	45 938	865 224	6 207 975	7 829 718	13 219 313	818 380
Legal form of organization											
Corporate	15 233	19 892	454 808	18 900 476	347 332	724 777	13 874 761	123 578 954	61 928 902	156 182 409	29 325 447
Noncorporate	4 752	5 108	54 198	1 897 781	41 900	83 742	1 441 874	10 057 013	9 474 814	17 802 905	1 728 922
Individual proprietorships	2 790	2 849	12 830	311 728	9 145	15 224	208 692	2 655 584	1 718 627	3 965 331	408 880
Partnerships	1 320	1 507	26 858	1 038 652	21 218	45 004	798 656	4 706 843	5 410 368	9 242 016	875 195
Other and unknown	642	752	14 510	547 401	11 537	23 514	434 526	2 694 586	2 345 819	4 595 558	444 847
211, OIL & GAS EXTRACTION											
Total	6 859	8 312	110 881	5 510 560	67 197	135 598	3 172 641	82 349 922	42 268 364	102 834 003	21 784 283
Type of company ownership											
Single-establishment companies	6 393	6 393	35 284	1 338 234	20 639	38 591	693 709	10 941 623	3 946 017	12 154 653	2 732 987
Corporate	4 663	4 663	26 774	1 040 646	15 263	28 786	537 556	8 485 639	2 997 713	9 473 272	2 010 080
Noncorporate	1 730	1 730	8 510	297 588	5 376	9 805	156 153	2 455 984	948 304	2 681 381	722 907
Multiestablishment companies	466	1 919	75 597	4 172 326	46 558	97 007	2 478 932	71 408 299	38 322 347	90 679 350	19 051 296
Corporate	416	1 744	72 172	4 011 125	44 134	91 801	2 366 080	68 314 599	32 515 992	82 131 861	18 698 730
Noncorporate	50	175	3 425	161 201	2 424	5 206	112 852	3 093 700	5 806 355	8 547 489	352 566
Legal form of organization											
Corporate	5 079	6 407	98 946	5 051 771	59 397	120 587	2 903 636	76 800 238	35 513 705	91 605 133	20 708 810
Noncorporate	1 780	1 905	11 935	458 789	7 800	15 011	269 005	5 549 684	6 754 659	11 228 870	1 075 473
Individual proprietorships	896	932	3 649	122 736	2 334	4 186	59 319	2 229 669	1 549 985	3 411 272	368 382
Partnerships	606	659	6 140	258 473	4 015	8 000	160 282	2 029 465	3 672 286	5 290 113	411 638
Other and unknown	278	314	2 146	77 580	1 451	2 825	49 404	1 290 550	1 532 388	2 527 485	295 453

See footnotes at end of table.

Table 3-2. Industry Statistics by Type of Company Ownership and Legal Form of Organization: 1997—Con.

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

Industry, type of company ownership, and legal form of organization	Com-panies ¹	All estab-lish-ments ²	All employees		Production, development, and exploration workers			Value added by mining (\$1,000)	Cost of supplies used, purchased machinery installed, etc. (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)
			For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
212, MINING (EXCEPT OIL & GAS)											
Total	4 944	7 348	229 319	9 421 600	188 988	400 094	7 527 534	35 206 868	21 878 784	51 252 625	5 833 027
Type of company ownership											
Single-establishment companies	4 176	4 176	62 412	2 109 524	49 288	95 039	1 631 892	5 835 583	3 777 681	8 815 828	797 436
Corporate	3 258	3 258	53 230	1 834 844	42 229	81 973	1 418 675	5 013 711	3 263 814	7 600 818	676 707
Noncorporate	918	918	9 182	274 680	7 059	13 066	213 217	821 872	513 867	1 215 010	120 729
Multiestablishment companies	768	3 172	166 907	7 312 076	139 700	305 055	5 895 642	29 371 285	18 101 103	42 436 797	5 035 591
Corporate	709	2 946	150 072	6 554 887	125 175	272 875	5 259 591	26 662 255	16 215 407	38 215 160	4 662 502
Noncorporate	59	226	16 835	757 189	14 525	32 180	636 051	2 709 030	1 885 696	4 221 637	373 089
Legal form of organization											
Corporate	3 967	6 204	203 302	8 389 731	167 404	354 848	6 678 266	31 675 966	19 479 221	45 815 978	5 339 209
Noncorporate	977	1 144	26 017	1 031 869	21 584	45 246	849 268	3 530 902	2 399 563	5 436 647	493 818
Individual proprietorships	496	499	2 814	61 913	2 100	3 538	48 849	152 780	82 713	216 615	18 878
Partnerships	310	407	14 801	608 548	12 339	26 700	498 205	2 234 416	1 580 364	3 457 792	356 988
Other and unknown	171	238	8 402	361 408	7 145	15 008	302 214	1 143 706	736 486	1 762 240	117 952
213, SUPPORT ACTIVITIES FOR MINING											
Total	8 287	9 340	168 806	5 866 097	133 047	272 827	4 616 460	16 079 177	7 256 568	19 898 686	3 437 059
Type of company ownership											
Single-establishment companies	7 760	7 760	76 298	2 121 777	57 106	108 852	1 601 832	4 658 534	1 481 432	5 702 561	437 405
Corporate	5 786	5 786	64 643	1 856 581	48 483	93 919	1 394 552	4 087 352	1 298 507	5 015 360	370 499
Noncorporate	1 974	1 974	11 655	265 196	8 623	14 933	207 280	571 182	182 925	687 201	66 906
Multiestablishment companies	527	1 580	92 508	3 744 320	75 941	163 975	3 014 628	11 420 643	5 775 136	14 196 125	2 999 654
Corporate	499	1 495	87 917	3 602 393	72 048	155 423	2 898 307	11 015 398	5 637 469	13 745 938	2 906 929
Noncorporate	28	85	4 591	141 927	3 893	8 552	116 321	405 245	137 667	450 187	92 725
Legal form of organization											
Corporate	6 285	7 281	152 560	5 458 974	120 531	249 342	4 292 859	15 102 750	6 935 976	18 761 298	3 277 428
Noncorporate	2 002	2 059	16 246	407 123	12 516	23 485	323 601	976 427	320 592	1 137 388	159 631
Individual proprietorships	1 400	1 418	6 367	127 079	4 711	7 500	100 524	273 135	85 929	337 444	21 620
Partnerships	406	441	5 917	171 631	4 864	10 304	140 169	442 962	157 718	494 111	106 569
Other and unknown	196	200	3 962	108 413	2 941	5 681	82 908	260 330	76 945	305 833	31 442

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments of companies with payroll at any time during the year.

Appendix A.

Explanation of Terms

ANNUAL PAYROLL

This item includes the gross earnings of all employees on the payrolls of operating mining establishments paid in the calendar year. Respondents were told they could follow the definition of payrolls used for calculating the Federal withholding tax. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of corporations; it excludes payments to proprietors or partners of unincorporated concerns. Also excluded are payments to members of Armed Forces and pensioners carried on the active payrolls of mining establishments.

The census definition of payrolls is identical to that recommended to all Federal statistical agencies by the Office of Management and Budget. It should be noted that this definition does not include employers' social security contributions or other nonpayroll labor costs, such as employees' pension plans, group insurance premiums, and workers' compensation.

Also collected, but not included in payroll, are employers' total supplemental labor costs (those required by Federal and state laws and those incurred voluntarily or as part of collective bargaining agreements).

BEGINNING- AND END-OF-YEAR INVENTORIES

Respondents were asked to report their beginning-of-year and end-of-year inventories at cost or market. Effective with the 1982 Economic Census, this change to a uniform instruction for reporting inventories was introduced for all sector reports. Prior to 1982, respondents were permitted to value inventories using any generally accepted accounting method. Beginning in 1982, LIFO users were asked to first report inventory values prior to the LIFO adjustment and then to report the LIFO reserve and the LIFO value after adjustment for the reserve.

Inventory Data by Type

Total inventories and two detailed components (1) mined or quarried products and (2) supplies, parts, fuels, etc., were collected.

CAPITAL EXPENDITURES

This item includes permanent additions and major alterations as well as replacements and additions to capacity for which depreciation, depletion, or Office of Minerals

Exploration accounts are ordinarily maintained. Reported capital expenditures include work done on contract, as well as by the mine forces. Totals for expenditures include the costs of assets leased from other concerns through capital leases. Excluded are expenditures for land and cost of maintenance and repairs charged as current operating expenses. Also excluded are capital expenditures for mineral land and rights which are shown as a separate item.

For any equipment or structure transferred for the use of the reporting establishment by the parent company or one of its subsidiaries, the value at which it was transferred to the establishment was to be reported. If an establishment changed ownership during the year, the cost of the fixed assets (building and equipment) was to be reported.

CAPITAL EXPENDITURES FOR MINERAL LAND AND RIGHTS

This item includes all capital expenditures for acquiring either undeveloped or developed acreage. Included are all capitalized lease bonuses and any other outlays necessary to acquire leases, mineral rights, fee lands incident to mineral exploration, development, or production.

COST OF PURCHASED COMMUNICATION SERVICES

Establishments were requested to provide information on the cost of purchased communication services for such items as telephone, data transmission, fax, etc. This item reflects the costs paid directly by the establishment.

COST OF SUPPLIES USED, PURCHASED MACHINERY INSTALLED, ETC.

This term refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these items. It includes the cost of these items whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year. Included are items charged to both current and capital accounts.

Included in this item are:

1. **Costs of supplies used, minerals received for preparation, and purchased machinery installed.**

Includes all major supplies which were important parts of the cost of production, exploration, and development of a particular industry.

2. **Cost of products bought and sold in the same condition.**
3. **Cost of fuels consumed for heat and power.** Includes the cost of fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.
4. **Cost of purchased electricity.** The cost of purchased electric energy represents the amount actually used during the year for heat and power. In addition, information was collected on the quantity of electric energy purchased and also the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other establishments of the same company.
5. **Cost of contract work.** This term applies to the cost of all work done for an establishment by others. It includes payments for supplies and equipment furnished by the contractor incidental to the contract work, and cost of services performed by others in the operation or development of the establishment. The term "contract work" refers to the fee a company pays to another company to perform a service. It excludes payments to miners paid on a per ton, car, yard, or footage basis. Also excluded are payments to suppliers who mined for their own account on property owned or leased by them and who paid royalties either directly or indirectly on the minerals mined.

Duplication in Cost of Supplies, Etc., and Value of Shipments and Receipts

The aggregate of the cost of supplies, etc., and value of shipments and receipts figures for industry groups and all mining industries includes some duplication since the products of some industries are used as supplies by others. Some duplication exists because of the inclusion of minerals transferred from one establishment to another for mineral preparation or resale. Duplication may also exist within the products of some individual industries where minerals shipped for preparation are also reported as the prepared product by another establishment.

CURRENT ACCOUNT EXPENDITURES FOR MINERAL PROPERTIES

This item includes all expenses for mineral properties, exploration, and development charged to current accounts. Included are all supplies, machinery, equipment, parts, fuels, power, etc., used for development or exploration and charged to current operating expenses. Also

included are royalty payments, acquisition costs for mineral land and rights which were not associated with exploration or development activity, and the cost of maintenance and repairs associated with exploration or development activity and charged to current accounts.

DEPRECIATION AND/OR DEPLETION CHARGES

This item includes depreciation, depletion, and amortization charged during the year against assets. Depreciation charged against assets acquired since the beginning of the year and against assets sold or retired during the year are components of this category. Respondents were requested to make certain that they did not report accumulated depreciation or depletion.

EMPLOYEES FOR PAY PERIOD INCLUDING MARCH 12

This item includes all full-time and part-time employees on the payrolls of establishments during any part of the pay period which included the 12th of March. Included are all persons on paid sick leave, paid holidays, and paid vacations during this pay period. A distribution of those employees who work in units that serve manufacturing, distribution, or construction operations also carried on at the mining establishment in addition to the minerals operation is also included. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded.

Production, Development, and Exploration Workers

This item includes workers (up through the working-supervisor level) engaged in manual work (using tools, operating machines, hauling materials, loading and hauling products out of the mine, and caring for mines, plants, mills, shops, or yards). Included are exploration work, mine development, storage, shipping, maintenance, repair, janitorial and guard services, auxiliary production for use at establishments (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Gang and straw bosses and supervisors who performed manual labor are included, as are employees paid on either a time- or piece-rate basis. Also included are miners paid on a per ton, car, or yard basis and persons engaged by them and paid out of the total amount received by these miners. Employees above the working-supervisor level are excluded from this item.

All Other Employees

This item covers nonproduction employees of the mining establishment including those engaged in the following activities: supervision above the working-supervisor level, sales, highway trucking (by employees not entering mines or pits), advertising, credit, collection, clerical and

routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria, medical, etc.), professional (such as engineers and geologists), and technical activities. Also included are employees on the payroll of the mining establishment engaged in the construction of major additions or alterations utilized as a separate work force. Workers engaged in regular maintenance and repair operations are not included here but are classified as production, development, and exploration workers.

FRINGE BENEFITS

Fringe benefits include both legally required expenditures and payments for voluntary programs. The legally required portion consists primarily of Federal old age and survivors' insurance, unemployment compensation, and workers' compensation. Payments for voluntary programs include all programs not specifically required by legislation whether they were employer initiated or the result of collective bargaining. They include the employer portion of such plans as insurance premiums, premiums for supplemental accident and sickness insurance, pension plans, supplemental unemployment compensation, welfare plans, stock purchase plans on which the employer payment is not subject to withholding tax, and deferred profit-sharing plans. They exclude such items as company-operated cafeterias, in-plant medical services, free parking lots, discounts on employee purchases, and uniforms and work clothing for employees.

GROSS VALUE OF DEPRECIABLE AND/OR DEPLETABLE ASSETS AT BEGINNING OF YEAR (BOY) AND END OF YEAR (EOY)

Total value of depreciable and/or depletable assets is collected on all census forms except for the crude petroleum and natural gas form. This item shows the value of depreciable and/or depletable assets for the beginning and end of year. The data encompass all depreciable and/or depletable assets on the books of establishments. The values shown (book value) represent the actual cost of assets at the time they were acquired, including all costs incurred in making the assets usable (such as transportation and installation). Included are all buildings, structures, machinery, equipment (production, office, and transportation equipment), capitalized mineral exploration and development, and mineral land and rights for which depreciation, amortization, or depletion reserves are maintained.

The definition of depreciable and/or depletable assets is consistent with the definition of capital expenditures. For example, expenditures include actual capital outlays during the year rather than the final value of equipment put in place and buildings completed during the year. Accordingly, the value of assets at the end of the year includes the value of construction in progress.

In addition, respondents were requested to make certain that assets at the beginning of the year plus capital expenditures, less retirements, equaled assets at the end of the year.

LEASE RENTS

This item represents the lease rents paid by the establishment for mineral properties. It was not collected on the short form or for the crude petroleum and natural gas, natural gas liquids, and the support activities for mining industries.

NUMBER OF ESTABLISHMENTS AND COMPANIES

A separate report was required for each mining establishment of firms with one employee or more. An establishment is defined as a single physical location where mining is performed. A company, on the other hand, is defined as a business organization consisting of one establishment or more under common ownership or control.

If the company operated at different physical locations, even if the individual locations were producing the same mineral product, a separate report was requested for each location. If the company operated in two or more distinct lines of activity at the same location, a separate report was requested for each activity.

For the crude petroleum and support activities for mining industries, the basis for reporting is different from the establishment basis used for other types of mining. Firms operating oil and gas wells, drilling wells, or exploring for oil and gas for their own account were required to submit a separate report for each state or offshore area adjacent to a state in which it conducted such activities. Firms that performed contract services for oil and gas field operations or for mining establishments were required to submit one report covering all such activities in the United States and to include information on receipts for services and production-worker wages and hours by state. These consolidated reports were then allocated to state establishments based on the data reported at the state level.

An establishment not in operation for any portion of the year was requested to return the report form with the proper notation in the "Operational Status" section of the form. In addition, the establishment was requested to report data on any employees, capital expenditures, inventories, or shipments from inventories during the year.

PRODUCTION, DEVELOPMENT, AND EXPLORATION WORKER HOURS

This item covers hours worked or paid for at the establishment, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave. Also excluded are hours worked by employees of contractors.

QUANTITY OF ELECTRIC ENERGY CONSUMED FOR HEAT AND POWER

Data on the quantity and cost of purchased electric energy were collected on all census forms, except for the short forms. In addition, information is collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.

RENTAL PAYMENTS

Total rental payments are collected on all census forms. This item includes rental payments for the use of all items for which depreciation reserves would be maintained if they were owned by the establishment, e.g., structures and buildings, machinery, and production, office, and transportation equipment. Excluded are royalties and other payments for the use of intangibles and depletable assets and land rents where separable.

When an establishment of a multiestablishment company was charged rent by another part of the same company for the use of assets owned by the company, it was instructed to exclude that cost from rental payments. However, the book value (original cost) of these company-owned assets was to be reported as assets of the establishment at the end of the year.

If there were assets at an establishment rented from another company and the rents were paid centrally by the head office of the establishment, the company was instructed to report these rental payments as if they were paid directly by the establishment.

RETIREMENTS OF DEPRECIABLE AND/OR DEPLETABLE ASSETS

Included in this item is the gross value of assets sold, retired, scrapped, destroyed, etc., during the calendar year. When a complete operation or establishment changed ownership, the respondent was instructed to report the value of the assets sold at the original cost as recorded in the books of the seller. The respondent also was requested to report retirements of equipment or structures owned by a parent company that the establishment was using as if it were a tenant.

VALUE ADDED BY MINING

This measure of mining activity is derived by subtracting the cost of supplies, minerals received for preparation, purchased machinery installed, purchased fuel, purchased electricity, and contract work from the sum of the value of shipments and receipts (mining products plus receipts for services rendered) and capital expenditures. The result of this calculation is adjusted by the addition of value added by merchandising operations (i.e., the difference between the sales value and the cost of products sold without further processing).

“Value added” avoids the duplication in the figure for value of shipments and receipts that results from the use of products of some establishments as supplies, energy sources, or materials by others. Moreover, it provides a measure of value added not only in mineral production but also in the development of mineral properties. Value added is considered to be the best value measure available for comparing the relative economic importance of mining among industries and geographic areas.

VALUE OF SHIPMENTS AND RECEIPTS

This item covers the net selling values, f.o.b. mine or plant after discounts and allowances (exclusive of freight and excise taxes), of all products shipped, both primary and secondary, as well as all miscellaneous receipts, such as installation and repair, sales of scrap, and sales of products bought and sold without further processing. Included are all products physically shipped by the establishments, whether sold, transferred to other plants of the same company, or shipped on consignment. For products transferred to other establishments of the same company, or prepared on a custom or toll basis, companies were requested to report the estimated value, not merely the cost of producing the product. In the case of multiunit companies, the mineral operation was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, including not only the direct cost of production but also a reasonable proportion of “all other costs” (including company overhead) and profit.

In addition to the value for North American Industry Classification System (NAICS) defined products, aggregates of the following categories of miscellaneous receipts are reported as part of a total establishment’s value of shipments and receipts:

1. **Receipts for services.** Receipts for work or services that an establishment performed for others.
2. **Value of resales.** Sales of products brought and sold without further processing.
3. **Other miscellaneous receipts.** Such as repair work, installation, sales of scrap, etc.

Industry primary product value of shipments represents one of the three components of value of shipments. Those components are:

1. Primary products value of shipments.
2. Secondary products value of shipments and receipts for services.
3. Value of resales.

An establishment is classified in a particular NAICS industry if its shipments of primary products of that industry exceed in value its shipments of the products of any other single industry.

An establishment's value of shipments and receipts include those products assigned to an industry (primary products), those considered primary to other industries (secondary products), receipts for services and miscellaneous activities, and the value of resales.

Appendix B.

NAICS Codes, Titles, and Descriptions

SECTOR 21 MINING

The Mining sector comprises establishments that extract naturally occurring mineral solids, such as coal and ores; liquid minerals, such as crude petroleum; and gases, such as natural gas. The term mining is used in the broad sense to include quarrying, well operations, beneficiating (e.g., crushing, screening, washing, and flotation), and other preparation customarily performed at the mine site, or as a part of mining activity.

The Mining sector distinguishes two basic activities: mine operation and mining support activities. Mine operation includes establishments operating mines, quarries, or oil and gas wells on their own account or for others on a contract or fee basis. Mining support activities include establishments that perform exploration (except geophysical surveying) and/or other mining services on a contract or fee basis.

Establishments in the Mining sector are grouped and classified according to the natural resource mined or to be mined. Industries include establishments that develop the mine site, extract the natural resources, and /or those that beneficiate (i.e., prepare) the mineral mined. Beneficiation is the process whereby the extracted material is reduced to particles that can be separated into mineral and waste, the former suitable for further processing or direct use. The operations that take place in beneficiation are primarily mechanical, such as grinding, washing, magnetic separation, and centrifugal separation. In contrast, manufacturing operations primarily use chemical and electrochemical processes, such as electrolysis and distillation. However some treatments, such as heat treatments, take place in both the beneficiation and the manufacturing (i.e., smelting/refining) stages. The range of preparation activities varies by mineral and the purity of any given ore deposit. While some minerals, such as petroleum and natural gas, require little or no preparation, others are washed and screened, while yet others, such as gold and silver, can be transformed into bullion before leaving the mine site.

Mining, beneficiating, and manufacturing activities often occur in a single location. Separate receipts will be collected for these activities whenever possible. When receipts cannot be broken out between mining and manufacturing, establishments that mine or quarry nonmetallic minerals, beneficiate the nonmetallic minerals into more finished manufactured products are classified based on the primary activity of the establishment. A mine that manufactures a small amount of finished products will be

classified in Sector 21, Mining. An establishment that mines whose primary output is a more finished manufactured product will be classified in Sector 31-33, Manufacturing.

211 Oil and Gas Extraction

Industries in the Oil and Gas Extraction subsector operate and/or develop oil and gas field properties. Such activities may include exploration for crude petroleum and natural gas; drilling, completing, and equipping wells; operating separators, emulsion breakers, desilting equipment, and field gathering lines for crude petroleum; and all other activities in the preparation of oil and gas up to the point of shipment from the producing property. This subsector includes the production of crude petroleum, the mining and extraction of oil from oil shale and oil sands, and the production of natural gas and recovery of hydrocarbon liquids.

Establishments in this subsector include those that operate oil and gas wells on their own account or for others on a contract or fee basis. Establishments primarily engaged in providing support services, on a fee or contract basis, required for the drilling or operation of oil and gas wells (except geophysical surveying and mapping) are classified in Subsector 213, Support Activities for Mining.

2111 Oil and Gas Extraction

This NAICS Industry Group includes establishments classified in NAICS Industry 21111, Oil and Gas Extraction.

21111 Oil and Gas Extraction

This industry comprises establishments primarily engaged in operating and/or developing oil and gas field properties and establishments primarily engaged in recovering liquid hydrocarbons from oil and gas field gases. Such activities may include exploration for crude petroleum and natural gas; drilling, completing, and equipping wells; operation of separators, emulsion breakers, desilting equipment, and field gathering lines for crude petroleum; and all other activities in the preparation of oil and gas up to the point of shipment from the producing property. This industry includes the production of crude petroleum, the mining and extraction of oil from oil shale and oil sands, the production of natural gas and the recovery of hydrocarbon liquids from oil and gas field gases. Establishments in this industry operate oil and gas wells on their own account or for others on a contract or fee basis.

211111 Crude Petroleum and Natural Gas Extraction

This U.S. industry comprises establishments primarily engaged in (1) the exploration, development and/or the production of petroleum or natural gas from wells in which the hydrocarbons will initially flow or can be produced using normal pumping techniques, or (2) the production of crude petroleum from surface shales or tar sands or from reservoirs in which the hydrocarbons are semisolids. Establishments in this industry operate oil and gas wells on their own account or for others on a contract or fee basis.

The data published with NAICS code 211111 include the following SIC industry:

1311 Crude petroleum and natural gas

211112 Natural Gas Liquid Extraction

This U.S. industry comprises establishments primarily engaged in the recovery of liquid hydrocarbons from oil and gas field gases. Establishments primarily engaged in sulfur recovery from natural gas are included in this industry.

The data published with NAICS code 211112 include the following SIC industry:

1321 Natural gas liquids

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 211112 do not include establishments primarily engaged in sulfur recovery from natural gas. The NAICS definitions will be fully implemented with the 2002 Economic Census.

212 Mining (Except Oil and Gas)

Industries in the Mining (except Oil and Gas) subsector primarily engage in mining, mine site development, and beneficiating (i.e., preparing) metallic minerals and nonmetallic minerals, including coal. The term "mining" is used in the broad sense to include ore extraction, quarrying, and beneficiating (e.g., crushing, screening, washing, sizing, concentrating, and flotation), customarily done at the mine site.

Beneficiation is the process whereby the extracted material is reduced to particles which can be separated into mineral and waste, the former suitable for further processing or direct use. The operations that take place in beneficiation are primarily mechanical, such as grinding, washing, magnetic separation, centrifugal separation, and so on. In contrast, manufacturing operations primarily use chemical and electrochemical processes, such as electrolysis, distillation, and so on. However some treatments, such as heat treatments, take place in both stages: the beneficiation and the manufacturing (i.e., smelting/ refining) stages. The range of preparation activities varies by

mineral and the purity of any given ore deposit. While some minerals, such as petroleum and natural gas, require little or no preparation, others are washed and screened, while yet others, such as gold and silver, can be transformed into bullion before leaving the mine site.

Establishments in the Mining (except Oil and Gas) subsector include those that have complete responsibility for operating mines and quarries (except oil and gas wells) and those that operate mines and quarries (except oil and gas wells) for others on a contract or fee basis. Establishments primarily engaged in providing support services, on a contract or fee basis, required for the mining and quarrying of minerals are classified in Subsector 213, Support Activities for Mining.

2121 Coal Mining

This NAICS Industry Group includes establishments classified in NAICS Industry 21211, Coal Mining.

21211 Coal Mining

This industry comprises establishments primarily engaged in one or more of the following: (1) mining bituminous coal, anthracite, and lignite by underground mining, auger mining, strip mining, culm bank mining, and other surface mining; (2) developing coal mine sites; and (3) beneficiating (i.e., preparing) coal (e.g., cleaning, washing, screening, and sizing coal).

212111 Bituminous Coal and Lignite Surface Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) surface mining or development of bituminous coal and lignite; (2) developing bituminous coal and lignite surface mine sites; and (3) beneficiating bituminous coal (e.g., cleaning, washing, screening, and sizing coal) whether mined on surface or underground.

The data published with NAICS code 212111 include the following SIC industry:

1221 Bituminous coal and lignite surface mining

212112 Bituminous Coal Underground Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) the underground mining of bituminous coal; (2) developing bituminous coal underground mine sites; and (3) the underground mining and beneficiating bituminous coal (e.g., cleaning, washing, screening, and sizing coal).

The data published with NAICS code 212112 include the following SIC industry:

1222 Bituminous coal underground mining

212113 Anthracite Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) mining anthracite coal; (2) developing anthracite coal mining sites; and (3) beneficiating anthracite coal (e.g., cleaning, washing, screening, and sizing coal).

The data published with NAICS code 212113 include the following SIC industry:

1231 Anthracite mining

2122 Metal Ore Mining

This industry group comprises establishments primarily engaged in developing mine sites or mining metallic minerals, and establishments primarily engaged in ore dressing and beneficiating (i.e., preparing) operations, such as crushing, grinding, washing, drying, sintering, concentrating, calcining, and leaching. Beneficiating may be performed at mills operated in conjunction with the mines served or at mills, such as custom mills, operated separately.

21221 Iron Ore Mining

This industry comprises establishments primarily engaged in (1) developing mine sites, mining, and/or beneficiating (i.e., preparing) iron ores and manganiferous ores valued chiefly for their iron content and/or (2) producing sinter iron ore (except iron ore produced in iron and steel mills) and other iron ore agglomerates.

212210 Iron Ore Mining

This U.S. industry comprises establishments primarily engaged in (1) developing mine sites, mining, and/or beneficiating (i.e., preparing) iron ores and manganiferous ores valued chiefly for their iron content and/or (2) producing sinter iron ore (except iron ore produced in iron and steel mills) and other iron ore agglomerates.

The data published with NAICS code 212210 include the following SIC industry:

1011 Iron ores

21222 Gold Ore and Silver Ore Mining

This industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) ores valued chiefly for their gold and or silver content. Establishments primarily engaged in the transformation of the gold and silver into bullion or dore bar in combination with mining activities are included in this industry.

212221 Gold Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) ores valued chiefly for their gold

content. Establishments primarily engaged in transformation of the gold into bullion or dore bar in combination with mining activities are included in this industry.

The data published with NAICS code 212221 include the following SIC industry:

1041 Gold ores

212222 Silver Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) ores valued chiefly for their silver content. Establishments primarily engaged in transformation of the silver into bullion or dore bar in combination with mining activities are included in this industry.

The data published with NAICS code 212222 include the following SIC industry:

1044 Silver ores

21223 Copper, Nickel, Lead, and Zinc Mining

This industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) ores valued chiefly for their copper, nickel, lead, or zinc content. Beneficiating includes the transformation of ores into concentrates.

212231 Lead Ore and Zinc Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) lead ores, zinc ores, or lead-zinc ores.

The data published with NAICS code 212231 include the following SIC industry:

1031 Lead and zinc ores

212234 Copper Ore and Nickel Ore Mining

This U.S. industry comprises establishments primarily engaged in (1) developing the mine site, mining, and/or beneficiating (i.e., preparing) copper and/or nickel ores, and (2) recovering copper concentrates by the precipitation, leaching, or electrowinning of copper ore.

The data published with NAICS code 212234 include the following SIC industries:

1021 Copper ores

1061 Ferroalloy ores, except vanadium (pt)

21229 Other Metal Ore Mining

This industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) metal ores (except iron and manganiferous ores valued for their iron content, gold ore, silver ore, copper, nickel, lead, and zinc ore).

212291 Uranium-Radium-Vanadium Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) uranium-radium-vanadium ores.

The data published with NAICS code 212291 include the following SIC industry:

1094 Uranium-radium-vanadium ores

212299 All Other Metal Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) metal ores (except iron and manganese ores valued for their iron content, gold ore, silver ore, copper, nickel, lead, zinc, and uranium-radium-vanadium ore).

The data published with NAICS code 212299 include the following SIC industry:

1099 Miscellaneous metal ores, n.e.c.,

1061 Ferroalloy ores, except vanadium (pt)

2123 Nonmetallic Mineral Mining and Quarrying

This industry group comprises establishments primarily engaged in developing mine sites, or in mining or quarrying nonmetallic minerals (except fuels). Also included are certain well and brine operations, and preparation plants primarily engaged in beneficiating (e.g., crushing, grinding, washing, and concentrating) nonmetallic minerals.

Beneficiation is the process whereby the extracted material is reduced to particles which can be separated into mineral and waste, the former suitable for further processing or direct use. The operations that take place in beneficiation are primarily mechanical, such as grinding, washing, magnetic separation, and centrifugal separation. In contrast, manufacturing operations primarily use chemical and electrochemical processes, such as electrolysis and distillation. However some treatments, such as heat treatments, take place in both the beneficiation and the manufacturing (i.e., smelting/refining) stages. The range of preparation activities varies by mineral and the purity of any given ore deposit. While some minerals, such as petroleum and natural gas, require little or no preparation, others are washed and screened, while yet others, such as gold and silver, can be transformed into bullion before leaving the mine site.

21231 Stone Mining and Quarrying

This industry comprises (1) establishments primarily engaged in developing the mine site, mining or quarrying dimension stone (i.e., rough blocks and/or slabs of stone), or mining and quarrying crushed and broken stone and/or (2) preparation plants primarily engaged in beneficiating stone (e.g., crushing, grinding, washing, screening, pulverizing, and sizing).

212311 Dimension Stone Mining and Quarrying

This U.S. industry comprises establishments primarily engaged in developing the mine site and/or mining or quarrying dimension stone (i.e., rough blocks and/or slabs of stone).

The data published with NAICS code 212311 include the following SIC industry:

1411 Dimension stone

212312 Crushed and Broken Limestone Mining and Quarrying

This U.S. industry comprises (1) establishments primarily engaged in developing the mine site, mining or quarrying crushed and broken limestone (including related rocks, such as dolomite, cement rock, marl, travertine, and calcareous tufa), and (2) preparation plants primarily engaged in beneficiating limestone (e.g., grinding or pulverizing).

The data published with NAICS code 212312 include the following SIC industry:

1422 Crushed and broken limestone

212313 Crushed and Broken Granite Mining and Quarrying

This U.S. industry comprises (1) establishments primarily engaged in developing the mine site, and/or mining or quarrying crushed and broken granite (including related rocks, such as gneiss, syenite, and diorite) and (2) preparation plants primarily engaged in beneficiating granite (e.g. grinding or pulverizing).

The data published with NAICS code 212313 include the following SIC industry:

1423 Crushed and broken granite

212319 Other Crushed and Broken Stone Mining and Quarrying

This U.S. industry comprises (1) establishments primarily engaged in developing the mine site and/or mining or quarrying crushed and broken stone (except limestone and granite), (2) preparation plants primarily engaged in beneficiating (e.g., grinding and pulverizing) stone (except limestone and granite), and (3) establishments primarily engaged in mining or quarrying bituminous limestone and bituminous sandstone.

The data published with NAICS code 212319 include the following SIC industries:

1429 Crushed and broken stone, n.e.c.

1499 Miscellaneous nonmetallic minerals, except fuels (pt)

21232 Sand, Gravel, Clay, and Ceramic and Refractory Minerals Mining and Quarrying

This industry comprises (1) establishments primarily engaged in developing the mine site and/or mining, quarrying, dredging for sand and gravel, or mining clay, (e.g., china clay, paper clay and slip clay) and (2) preparation plants primarily engaged in beneficiating (e.g., washing, screening, and grinding) sand and gravel, clay, and ceramic and refractory minerals.

212321 Construction Sand and Gravel Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) operating commercial grade (i.e., construction) sand and gravel pits; (2) dredging for commercial grade sand and gravel; and (3) washing, screening, or otherwise preparing commercial grade sand and gravel.

The data published with NAICS code 212321 include the following SIC industry:

1442 Construction sand and gravel

212322 Industrial Sand Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) operating industrial grade sand pits; (2) dredging for industrial grade sand; and (3) washing, screening, or otherwise preparing industrial grade sand.

The data published with NAICS code 212322 include the following SIC industry:

1446 Industrial sand

212324 Kaolin and Ball Clay Mining

This U.S. industry comprises (1) establishments primarily engaged in developing the mine site and/or mining kaolin or ball clay (e.g., china clay, paper clay, and slip clay) and (2) establishments primarily engaged in beneficiating (i.e., preparing) kaolin or ball clay.

The data published with NAICS code 212324 include the following SIC industry:

1455 Kaolin and ball clay

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 212324 do not include establishments only engaged in beneficiating or preparing kaolin and ball clay. The NAICS definitions will be fully implemented with the 2002 Economic Census.

212325 Clay and Ceramic and Refractory Minerals Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) mining clay (except kaolin and ball), ceramic, or refractory minerals;

(2) developing the mine site for clay, ceramic, or refractory minerals; and (3) beneficiating (i.e., preparing) clay (except kaolin and ball), ceramic, or refractory minerals.

The data published with NAICS code 212325 include the following SIC industry:

1459 Clay, ceramic, and refractory minerals, n.e.c.

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 212325 do not include establishments only engaged in beneficiating or preparing clay, ceramic and refractory minerals. The NAICS definitions will be fully implemented with the 2002 Economic Census.

21239 Other Nonmetallic Mineral Mining and Quarrying

This industry comprises establishments primarily engaged in developing the mine site, mining, and/or milling or otherwise beneficiating (i.e., preparing) nonmetallic minerals (except coal, stone, sand, gravel, clay, ceramic, and refractory minerals).

212391 Potash, Soda, and Borate Mineral Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining and/or milling, or otherwise beneficiating (i.e., preparing) natural potassium, sodium, or boron compounds. Drylake brine operations are included in this industry, as well as establishments engaged in producing the specified minerals from underground and open pit mines.

The data published with NAICS code 212391 include the following SIC industry:

1474 Potash, soda, and borate minerals

212392 Phosphate Rock Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, milling, and/or drying or otherwise beneficiating (i.e., preparing) phosphate rock.

The data published with NAICS code 212392 include the following SIC industry:

1475 Phosphate rock

212393 Other Chemical and Fertilizer Mineral Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, milling, and/or drying or otherwise beneficiating (i.e., preparing) chemical or fertilizer mineral raw materials (except potash, soda, boron, and phosphate rock).

The data published with NAICS code 212393 include the following SIC industry:

1479 Chemical and fertilizer mineral mining, n.e.c.

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 212393 do not include establishments only engaged in beneficiating or preparing chemical and fertilizer minerals. The NAICS definitions will be fully implemented with the 2002 Economic Census.

212399 All Other Nonmetallic Mineral Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining and/or milling or otherwise beneficiating (i.e., preparing) nonmetallic minerals (except stone, sand, gravel, clay, ceramic, refractory minerals, chemical and fertilizer minerals).

The data published with NAICS code 212399 include the following SIC industry:

1499 Miscellaneous nonmetallic minerals, except fuels (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 212399 do not include establishments only engaged in beneficiating or preparing miscellaneous nonmetallic minerals. The NAICS definitions will be fully implemented with the 2002 Economic Census.

213 Support Activities for Mining

Industries in the Support Activities for Mining subsector group establishments primarily providing support services, on a fee or contract basis, required for the mining and quarrying of minerals and for the extraction of oil and gas. Establishments performing exploration (except geophysical surveying and mapping) for minerals, on a contract or fee basis, are included in this subsector. Exploration includes traditional prospecting methods, such as taking core samples and making geological observations at prospective sites.

The activities performed on a fee or contract basis by establishments in the Support Activities for Mining subsector are also often performed in-house by mining operators. These activities include: taking core samples, making geological observations at prospective sites, and such oil and gas operations as spudding in, drilling in, re-drilling, directional drilling, excavating slush pits and cellars; grading and building foundations at well locations; well surveying; running, cutting, and pulling casings, tubes and rods; cementing wells; shooting wells; perforating well casings; acidizing and chemically treating wells; and cleaning out, bailing, and swabbing wells.

2131 Support Activities for Mining

This NAICS Industry Group includes establishments classified in NAICS Industry 21311, Support Activities for Mining.

21311 Support Activities for Mining

This industry comprises establishments primarily engaged in providing support services, on a fee or contract basis, required for the mining and quarrying of minerals and for the extraction of oil and gas. Drilling, taking core samples, and making geological observations at prospective sites (except geophysical surveying and mapping) for minerals, on a fee or contract basis, is included in this industry.

213111 Drilling Oil and Gas Wells

This U.S. industry comprises establishments primarily engaged in drilling oil and gas wells for others on a contract or fee basis. This industry includes contractors that specialize in spudding in, drilling in, re-drilling, and directional drilling.

The data published with NAICS code 213111 include the following SIC industry:

1381 Drilling oil and gas wells

213112 Support Activities for Oil and Gas Operations

This U.S. industry comprises establishments primarily engaged in performing oil and gas field services (except contract drilling) for others, on a contract or fee basis. Services included are exploration (except geophysical surveying and mapping); excavating slush pits and cellars; grading and building foundations at well locations; well surveying; running, cutting, and pulling casings, tubes, and rods; cementing wells; shooting wells; perforating well casings; acidizing and chemically treating wells; and cleaning out, bailing, and swabbing wells.

The data published with NAICS code 213112 include the following SIC industries:

1382 Oil and gas field exploration services (pt)

1389 Oil and gas field services, n.e.c.

213113 Support Activities for Coal Mining

This U.S. industry comprises establishments primarily engaged in providing support services, on a fee or contract basis, required for coal mining. Exploration for coal is included in this industry. Exploration includes traditional prospecting methods, such as taking core samples and making geological observations at prospective sites.

The data published with NAICS code 213113 include the following SIC industry:

1241 Coal mining services

213114 Support Activities for Metal Mining

This U.S. industry comprises establishments primarily engaged in providing support services, on a fee or contract basis, required for the mining and quarrying of metallic minerals and for the extraction of metal ores.

Exploration for minerals is included in this industry. Exploration (except geophysical surveying and mapping services) includes traditional prospecting methods, such as taking core samples and making geological observations at prospective sites.

The data published with NAICS code 213114 include the following SIC industry:

1081 Metal mining services (pt)

213115 Support Activities for Nonmetallic Minerals (Except Fuels)

This U.S. industry comprises establishments primarily engaged in providing support services, on a fee or contract basis, required for the mining and quarrying of nonmetallic minerals and for the extraction of nonmetallic

minerals. Exploration for minerals is included in this industry. Exploration (except geophysical surveying and mapping services) includes traditional prospecting methods, such as taking core samples and making geological observations at prospective sites.

The data published with NAICS code 213115 include the following SIC industry:

1481 Nonmetallic minerals services, except fuels (pt)

Appendix C.

Coverage and Methodology

MAIL/NONMAIL UNIVERSE

The mining universe includes about 25,000 establishments. This number includes those industries in the NAICS definition of mining, but not those portions of industries leaving the mining sector in the classification change. The amounts of information requested from mining establishments were dependent on a number of factors. The most important consideration was the size of the company. The methods of obtaining information for the various subsets of the universe to arrive at the aggregate figures shown in the publication are described below:

1. Small single-establishment companies not sent a report form.

Approximately 40 percent of the mining establishments were small single-establishment companies that were excused from filing a census report. Selection of these establishments was based on two factors: annual payroll and our ability to assign the correct six-digit NAICS industry classification to the establishment. For each four-digit Standard Industrial Classification (SIC) industry code, an annual payroll cut-off was determined. These cutoffs were derived so that the establishments with payroll less than the cutoff were expected to account for no more than 3 percent of the value of shipments and receipts for the industry. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms. Establishments below the cutoff that could not be directly assigned a six-digit NAICS code were mailed a classification report which requested information for assigning NAICS industry codes. Establishments below the cut-off that could be directly assigned a six-digit NAICS code were excused from filing any report. For below-cut-off establishments, information on the physical location, payroll, and receipts was obtained from the administrative records of other Federal agencies under special arrangements which safeguarded their confidentiality.

Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The value of shipments and receipts, cost of supplies, etc., and cost of fuels were not distributed among specific products, supplies, and fuels for these establishments but were included in the product, supplies, and fuels "not specified by kind" (nsk) categories.

The industry classification codes included in the administrative-record files were assigned on the basis of brief descriptions of the general activity of the establishment. As a result, an indeterminate number of establishments were erroneously coded to a four-digit SIC industry and then erroneously recoded to a six-digit NAICS industry. This was especially true whenever there was a relatively fine line of demarcation between industries or between mining and non-mining activity.

Sometimes the administrative-record cases had only two- or three-digit SIC group classification codes available in the files. For the 1997 Economic Census—Mining, these establishments were sent a separate classification form, which requested information on the products and services of the establishment. This form was used to code many of these establishments to the appropriate six-digit NAICS level. Establishments that did not return the classification form were coded later to those six-digit NAICS industries identified as a default within the given subsector.

As a result of these situations, a number of small establishments may have been misclassified by industry. However, such possible misclassification has no significant effect on the statistics other than on the number of companies and establishments.

The total establishment count for individual industries should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 employees or more are far more reliable than the count of total number of establishments.

2. Establishments sent a report form.

The establishments covered in the mail canvass were divided into two groups:

- a. Large and medium size establishments.

Approximately 48 percent of all mining establishments were included in this group. A variable cutoff, based on administrative-record payroll data and determined on an industry-by-industry basis, was used to select those establishments that were to receive 1 of the 10 economic census – mining regular forms. The first four pages, requesting establishment data for items, such as employment and payroll, costs, assets, and capital expenditures, were fairly standard although some variation occurred depending on the industries collected on

the form. The remaining pages of the form contained product, supply, fuel, and special inquiries. The diversity of the mining activities necessitated the use of several forms to canvass the 29 mining industries. Each form was developed for a group of industries.

b. Small single-establishment companies.

This group included approximately 12 percent of all mining establishments. For those industries where application of the variable cutoff for administrative-record cases resulted in a large number of small establishments being included in the mail canvass, an abbreviated or short form was used. Establishments in the crushed stone, sand and gravel, and crude petroleum and natural gas industries with 5 to 19 employees received 1 of 2 versions of the short form. The form requested summary product and material data and totals but no details on payrolls, cost of supplies and fuels, assets, and capital expenditures.

Use of the short form has no adverse effect on published totals for the industry statistics because the same data were collected on the short form as on the long form. However, detailed information on products, supplies, and fuels was not collected on the short form; thus, its use would increase the value of the nsk categories.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each of the establishments covered in the 1997 Economic Census – Mining was classified in 1 of 29 mineral industries in accordance with the industry definitions in the 1997 NAICS manual. This is the first edition of the NAICS manual and is a major change from the 1987 SIC manual that was used in the past. Appendix A of the 1997 NAICS manual notes the comparability between the 1987 SIC and the 1997 NAICS classification systems. When applicable, Appendix G of this report shows the product comparability between the two systems for the data in this report.

In the NAICS system, an industry is generally defined as establishments grouped according to similarity in the processes used to produce the mineral products. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of its number, value added by mining, value of shipments and receipts, number of employees, and payroll.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the mining sector for 1997, there are 3 subsectors (three-digit NAICS), 5 industry groups (four-digit NAICS), and 10 NAICS industries (5-digit NAICS) that are comparable with Canadian and Mexican classification and 29 U.S. industries (six-digit

NAICS). This represents a slight reduction of the four-digit SIC-based U.S. industries from 31 in 1987. Within industries, there are 141 seven-digit product classes and 196 ten-digit products. The ten-digit products are considered the primary products of the industry with the same first six digits.

For the 1997 Economic Census – Mining, all establishments were classified in particular industries based on the products they produced. If an establishment made products of more than one industry, it was classified in the industry with the largest product value.

Establishments frequently make products classified both in their industry (primary products) and other industries (secondary products). Industry statistics (employment, payroll, value added by mining, value of shipments and receipts, etc.) reflect the activities of the establishments which may make both primary and secondary products. Product statistics, however, represent the output of all establishments without regard for the classification of the producing establishment. For this reason, when relating the industry statistics (especially the value of shipments and receipts) to the product statistics, the composition of the industry's output should be considered.

ESTABLISHMENT BASIS OF REPORTING

The 1997 Economic Census – Mining covers each mining establishment of firms with one or more paid employees operating in the United States. A company operating more than one establishment is required to file a separate report for each location. A mining establishment is defined as a single physical location where mineral operations are conducted. However, a company engaged in distinctly different lines of activity at one location is required to submit a separate report for each activity if the plant records permit such a separation and if the activities are substantial in size.

For oil and gas field operations and for contract services, the basis for reporting is different from the "establishment" basis used for other types of mining. Firms operating oil and gas wells, drilling wells, or exploring for oil and gas for their own account were required to submit a separate report for each state or offshore area adjacent to a state in which it conducted such activities. Firms that performed contract services for oil and gas field operations or for mining establishments were required to submit one report covering all such activities in the United States and to include information on receipts for services and production-worker wages and hours by state. These consolidated reports were then allocated to state establishments based on the data reported at the state level. The 1997 figures for establishments include the summation of operations for each state allocated from these nationwide reports.

In the 1997 Economic Census – Mining, as in censuses since 1967, data for single-unit firms without paid employees were excluded. This exclusion had only a slight

effect on industry aggregates for most industries. Data for firms without employees were included in the 1963, 1958, and 1954 censuses if they reported more than \$500 in (1) value of shipments and receipts, (2) cost of supplies and purchased machinery, or (3) capital expenditures.

The 1997 Economic Census – Mining excludes data for central administrative offices. Statistics for employment and payroll for individual industries and industry groups no longer include employment and payroll figures for administrative offices, warehouses, storage facilities, and other auxiliary establishments servicing mining establishments. These data are included in a separate report series.

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

The 1997 Economic Census – Mining shows value of shipments and receipts data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment. The value of products shipped also may include some products shipped from manufacturing establishments with mining operations.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan Areas

Not applicable for this report.

Materials Summary

1997

Issued June 2001

EC97N21S-MS

1997 Economic Census

Mining

Subject Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

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1997 Economic Census

Mining

Subject Series



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-- Not applicable for this report.

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.

ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information

52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Foodservices
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

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.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

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.

Special Tabulations

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division 301-457-4673
Service Sector Statistics Division 301-457-2668

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/econgguide. 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.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

A	Standard error of 100 percent or more.
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue.
N	Not available or not comparable.
Q	Revenue not collected at this level of detail for multiestablishment firms.
S	Withheld because estimates did not meet publication standards.

V	Represents less than 50 vehicles or .05 percent.
X	Not applicable.
Y	Disclosure withheld because of insufficient coverage of merchandise lines.
Z	Less than half the unit shown.
a	0 to 19 employees.
b	20 to 99 employees.
c	100 to 249 employees.
e	250 to 499 employees.
f	500 to 999 employees.
g	1,000 to 2,499 employees.
h	2,500 to 4,999 employees.
i	5,000 to 9,999 employees.
j	10,000 to 24,999 employees.
k	25,000 to 49,999 employees.
l	50,000 to 99,999 employees.
m	100,000 employees or more.
p	10 to 19 percent estimated.
q	20 to 29 percent estimated.
r	Revised.
s	Sampling error exceeds 40 percent.
nec	Not elsewhere classified.
nsk	Not specified by kind.
–	Represents zero (page image/print only).
(CC)	Consolidated city.
(IC)	Independent city.

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Mining

SCOPE

The Mining sector of the 1997 Economic Census covers all mining establishments of companies with one or more paid employees. Mining is defined as the extraction of naturally occurring mineral solids, such as coal and ores; liquid minerals, such as petroleum; and gases, such as natural gas. The term mining is used in the broad sense to include quarrying, well operations, beneficiating (e.g., crushing, screening, washing, and floatation), and other preparations customarily performed at the mine site or as part of the mining activity.

The Mining sector distinguishes two basic activities: mine operation and mining support activities. Mine operation includes establishments operating mines, quarries, or oil and gas wells on their own account or for others on a contract or fee basis. Mining support activities include establishments that perform exploration (except geophysical surveying) and/or other mining services on a contract or fee basis.

Establishments in the Mining sector are classified by industry according to the natural resources mined or to be mined. Included are establishments that develop the mine site, extract the natural resources, and/or those that beneficiate (i.e., prepare) the mineral mined. The operations that take place in beneficiation are primarily mechanical, such as grinding, washing, magnetic separation, and centrifugal separation. The range of preparation activities varies by mineral and the purity of any given ore deposit.

Mining, beneficiation, and manufacturing activities often occur in a single location. Separate receipts are collected for these activities whenever possible. When receipts cannot be broken out between mining and manufacturing, establishments that mine or quarry nonmetallic minerals and beneficiate the nonmetallic minerals into more finished manufactured products are classified based on the primary activity of the establishment.

Hauling and other transportation beyond the mine property and contract hauling (except out of open pits in conjunction with mining) are excluded.

GENERAL

This report, from the 1997 Economic Census – Mining, is one of a series of 29 industry reports and 51 geographic area reports, each of which provides statistics for individual industries, states, or offshore areas. Also included for this sector are the General, Products, and Materials and Fuels Consumed Summary reports, and data files on Location of Mining Operations.

Each industry report presents data for a six-digit North American Industry Classification System (NAICS) industry. A description of the particular NAICS industry may be found in Appendix B. These reports include such statistics as number of establishments, employment, payroll, value added by mining, cost of supplies used, value of shipments and receipts, capital expenditures, etc., for each mining industry. Explanations of these and other terms may be found in Appendix A. The industry reports also include data for states with 100 employees or more.

State reports present similar statistics at the sector level for each state, the District of Columbia, and the offshore areas. The state of Delaware and the District of Columbia are combined in a single report. The state reports also include data for industries with 100 employees or more in the state.

The General Summary report contains industry and geographic area statistics summarized in one report. It includes higher levels of aggregation than the industry and state reports as well as revisions to the data made after the release of the industry and state reports.

The Products Summary and the Materials and Fuels Consumed Summary reports summarize the products, materials, and fuels data published in the industry series reports.

The Location of Mining Operations data files include statistics on the number of establishments by three- and six-digit NAICS industry by state and offshore area by employment size of the establishment.

GEOGRAPHIC AREAS COVERED

The state reports for the mining industries include data at the state level and some offshore areas. No substate data are available.

Data for offshore areas that are part of Alaska, California, Louisiana, and Texas are included in their respective state area reports and represent offshore operations on all these state offshore leases and all Federal offshore leases defined by their state plane coordinate systems. State offshore includes the areas extending from the coastline up to 3 geographical miles distance except for Texas and Florida which extend 3 marine leagues from the coastline in the Gulf of Mexico. Data for offshore areas not associated with a state are in an Offshore Areas geographic report which includes the following areas:

Atlantic Offshore

- Atlantic Federal Area
- New Hampshire state offshore
- Maine state offshore
- Massachusetts state offshore
- Connecticut state offshore
- New York state offshore
- New Jersey state offshore
- Delaware state offshore
- Maryland state offshore
- Virginia state offshore
- North Carolina state offshore
- South Carolina state offshore
- Georgia state offshore
- Florida state Atlantic offshore

Northern Gulf of Mexico Offshore

- Northern Gulf of Mexico Federal Areas defined by the Universal Transverse Mercator Coordinate System (including areas generally south of the state plane coordinate systems of Louisiana and Texas)
- Mississippi state offshore
- Alabama state offshore
- Florida state Gulf offshore

Pacific Offshore

- Pacific Federal areas defined by Universal Transverse Mercator Coordinate System
- Oregon state offshore
- Washington state offshore

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) has had only a minor effect on the comparability of data between the 1992 and 1997 censuses at the sector level. However, within the sector the number of major levels changed from four to three. In

addition, portions of industries left mining for the services sector. Prominent among items leaving mining are geophysical surveying and mapping services for metal mining, oil and gas, and nonmetallic minerals mining. If industries are not comparable between the two censuses, historic data are not shown.

Another change resulting from the conversion to NAICS is that data for central administrative offices (CAOs) associated with mining are no longer included in the mining data. This change affects all levels of data shown in the reports.

DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments classified in a specific industry or geography is not considered a disclosure and may be released even when other information is withheld.

The disclosure analysis for the industry statistics files is based on the total value of shipments and receipts. When the total value of shipments and receipts cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. If capital expenditures alone is a disclosure, only capital expenditures and cost of supplies statistics are suppressed. The suppressed data are included in higher-level totals.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The County Business Patterns program of the U.S. Census Bureau offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county and state.

Table 1. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 1997 and 1992

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified in the specified industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS supply or fuel code	Supply or fuel consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
211111, CRUDE PETROLEUM & NATURAL GAS EXTRACTION					
Supplies Consumed by Type					
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	3 829 117	X	3 448 660
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	689 404	X	243 643
32500075	Industrial chemicals, including acidizing materials(except drilling fluids)	X	1 121 428	X	468 055
32599803	Drilling fluids (drilling mud and drilling mud materials; mud thinners, thickeners, and purifiers)	X	664 132	X	313 419
32419100	Lubricating oils and greases, including hydraulic oils	X	68 022	X	43 724
32731001	Cement	X	371 819	X	225 259
33120059	Steel shapes and forms, except castings and forgings	X	1 369 649	X	1 050 205
33290013	Valves and pipe fittings	X	301 906	X	142 745
33300005	Drill bits and reamers	X	195 644	X	88 004
00999828	Water purchased	X	71 595	X	75 916
00970098	All other supplies	X	615 125	X	893 278
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	1 660 701	X	1 176 358
Fuels Consumed by Type					
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	2 017.8	61 219	2 940.9	90 234
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	648.6	20 549	174.7	5 293
21111015	Gas (natural, manufactured, and mixed) used as a fuel	169.7	459 812	181.4	318 821
32411015	Gasoline used as a fuel	98.3	105 255	34.6	36 981
21111011	Crude petroleum produced and used in the same plant as a fuel .....	.6	X	1.4	X
21111003	Natural gas produced and used in the same plant as a fuel	715.9	X	376.6	X
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	38 537	X	91 127
00974000	Undistributed fuels#	X	217 570	X	153 642
211112, NATURAL GAS LIQUID EXTRACTION					
Supplies Consumed by Type					
21111105	Crude petroleum, including condensate, received for processing	4.0	69 109	1.2	21 705
21111011	Natural gas processed	7 239.5	16 113 360	11 627.5	19 366 901
21111201	Natural gas liquids received for further processing	227.4	2 994 116	232.2	2 915 256
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	318 943	X	413 026
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	42 411	X	58 159
33120059	Steel shapes and forms, except castings and forgings	X	31 181	X	36 232
32510093	Industrial organic chemicals, including ethylene glycol and fluorinated hydrocarbon gases	X	53 731	X	51 645
32419100	Lubricating oils and greases, including hydraulic oils	X	18 475	X	19 889
00970098	All other supplies	X	53 994	X	123 301
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	131 278	X	142 841
Fuels Consumed by Type					
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	47.7	1 353	D	D
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	47.1	1 201	D	D
21111015	Gas (natural, manufactured, and mixed) used as a fuel	60.5	137 784	80.3	134 162
32411015	Gasoline used as a fuel	1.9	2 244	6	618
21111029	Residue gas produced and used at the same plant as a fuel	123.9	X	240.4	X
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	D	X	5 332
00974000	Undistributed fuels#	X	D	X	7 927
212111, BITUMINOUS COAL & LIGNITE SURFACE MINING					
Supplies Consumed by Type					
21211005	Run-of-mine (raw) coal received for washing using wet-washing, pneumatic, or other methods	180.4	2 368 122	159.6	2 446 128
21211007	Run-of-mine (raw) coal mined and processed at same establishment by washing (wet-washing, pneumatic, or other methods)	98.2	X	130.5	X
21211009	Run-of-mine (raw) coal received for processing by other methods; such as mechanical crushing, screening, or sizing	9.8	184 043	18.6	354 043
21211011	Run-of-mine (raw) coal mined and processed at same establishment by other methods-mechanically crushing/screening/sizing	490.6	X	395.4	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	488 185	X	659 850
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	549 976	X	486 861
31320029	Filter and brattice cloth	X	3 271	X	2 742
11300000	Round or hewn wood products and stumpage	X	1 070	X	2 790
32592003	Explosive materials, except ammonium nitrate	X	88 255	X	87 641
32592005	Ammonium nitrate	X	164 934	X	170 652
32592007	Blasting accessories	X	43 460	X	34 872
32419100	Lubricating oils and greases, including hydraulic oils	X	42 663	X	53 185
32621001	Tires and inner tubes	X	70 231	X	61 853
32600009	Rubber and plastics products (hose, conveyor belting, etc.) except tires, tubes, and gaskets	X	7 486	X	13 455
32700037	Concrete products	X	1 782	X	2 944
32799217	Nonmetallic mineral products (rock dust, other prepared nonmetallic minerals and earths, etc.)	X	5 871	X	5 671
33120049	Steel shapes and forms, except castings, forgings, and wire products	X	13 273	X	17 101
33100085	Nonferrous metal wire including trolley wire	X	1 049	X	1 357
33272200	Roof bolts	X	1 940	X	2 168
33290007	Wire rope, cable, springs, and other fabricated wire products, excluding wire	X	22 681	X	24 702
33300005	Drill bits and reamers	X	11 458	X	25 658
00970098	All other supplies	X	351 324	X	416 330
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	272 034	X	331 935
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	D	D	60.3	1 724
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	7 420.4	219 512	8 045.0	229 685
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	721.2	20 461	975.4	30 039
21111015	Gas (natural, manufactured, and mixed) used as a fuel .....	.7	2 011	.3	713
32411015	Gasoline used as a fuel	29.4	24 031	18.6	17 358
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	D	X	1 668
00974000	Undistributed fuels#	X	89 002	X	111 926

Table 1. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 1997 and 1992—Con.

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified in the specified industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS supply or fuel code	Supply or fuel consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
212111, BITUMINOUS COAL & LIGNITE SURFACE MINING—Con.					
Fuels Consumed by Type—Con.					
21211013	Coal (bituminous, subbituminous, lignite, and anthracite) produced and used in the same plant as a fuel 1,000 s tons . .	31.5	X	D	X
212112, BITUMINOUS COAL UNDERGROUND MINING					
Supplies Consumed by Type					
21211005	Run-of-mine (raw) coal received for washing using wet-washing, pneumatic, or other methods mil s tons . .	20.4	276 910	30.6	450 063
21211007	Run-of-mine (raw) coal mined and processed at same establishment by washing (wet-washing, pneumatic, or other methods) mil s tons . .	410.5	X	382.3	X
21211009	Run-of-mine (raw) coal received for processing by other methods; such as mechanical crushing, screening, or sizing mil s tons . .	—	—	3.0	55 571
21211011	Run-of-mine (raw) coal mined and processed at same establishment by other methods-mechanically crushing/screening/sizing mil s tons . .	49.6	X	46.3	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	615 542	X	798 676
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	587 799	X	577 160
31320029	Filter and brattice cloth	X	12 786	X	22 276
11300000	Round or hewn wood products and stumpage	X	53 267	X	61 486
32592003	Explosive materials, except ammonium nitrate	X	5 250	X	9 686
32592005	Ammonium nitrate	X	7 815	X	10 104
32592007	Blasting accessories	X	4 108	X	4 194
32419100	Lubricating oils and greases, including hydraulic oils	X	48 729	X	56 079
32621001	Tires and inner tubes	X	21 816	X	23 782
32600009	Rubber and plastics products (hose, conveyor belting, etc.) except tires, tubes, and gaskets	X	108 711	X	85 072
32700037	Concrete products	X	25 120	X	18 529
32799217	Nonmetallic mineral products (rock dust, other prepared nonmetallic minerals and earths, etc.)	X	34 818	X	32 568
33120049	Steel shapes and forms, except castings, forgings, and wire products	X	68 605	X	58 814
33100085	Nonferrous metal wire including trolley wire	X	19 022	X	13 854
33272200	Roof bolts	X	165 118	X	208 711
33290007	Wire rope, cable, springs, and other fabricated wire products, excluding wire	X	16 293	X	19 182
33300005	Drill bits and reamers	X	47 777	X	54 831
00970098	All other supplies	X	433 113	X	472 459
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	215 292	X	196 978
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons . .	D	D	D	D
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 barrels . .	655.9	20 584	1 179.9	37 227
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 barrels . .	144.8	4 051	226.0	7 055
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft . .	.5	2 552	.5	1 577
32411015	Gasoline used as a fuel mil gal . .	4.0	4 385	7.4	6 988
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	D	X	D
00974000	Undistributed fuels#	X	10 583	X	12 325
21211013	Coal (bituminous, subbituminous, lignite, and anthracite) produced and used in the same plant as a fuel 1,000 s tons . .	221.4	X	258.3	X
212113, ANTHRACITE MINING					
Supplies Consumed by Type					
21211005	Run-of-mine (raw) coal received for washing using wet-washing, pneumatic, or other methods mil s tons . .	D	D	.5	10 776
21211007	Run-of-mine (raw) coal mined and processed at same establishment by washing (wet-washing, pneumatic, or other methods) mil s tons . .	2.2	X	3.4	X
21211009	Run-of-mine (raw) coal received for processing by other methods; such as mechanical crushing, screening, or sizing mil s tons . .	.6	9 543	D	D
21211011	Run-of-mine (raw) coal mined and processed at same establishment by other methods-mechanically crushing/screening/sizing mil s tons . .	D	X	.1	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	21 986	X	1 452
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	7 282	X	D
31320029	Filter and brattice cloth	X	D	X	D
11300000	Round or hewn wood products and stumpage	X	53	X	D
32592003	Explosive materials, except ammonium nitrate	X	707	X	392
32592005	Ammonium nitrate	X	870	X	D
32592007	Blasting accessories	X	D	X	D
32419100	Lubricating oils and greases, including hydraulic oils	X	410	X	1 067
32621001	Tires and inner tubes	X	1 552	X	816
32600009	Rubber and plastics products (hose, conveyor belting, etc.) except tires, tubes, and gaskets	X	269	X	288
32700037	Concrete products	X	19	X	D
32799217	Nonmetallic mineral products (rock dust, other prepared nonmetallic minerals and earths, etc.)	X	D	X	D
33120049	Steel shapes and forms, except castings, forgings, and wire products	X	1 099	X	1 463
33100085	Nonferrous metal wire including trolley wire	X	D	X	D
33272200	Roof bolts	X	D	X	D
33290007	Wire rope, cable, springs, and other fabricated wire products, excluding wire	X	121	X	402
33300005	Drill bits and reamers	X	144	X	433
00970098	All other supplies	X	5 991	X	4 968
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	6 965	X	14 205
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons . .	—	—	—	—
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 barrels . .	103.2	3 003	76.3	2 211
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 barrels . .	34.9	1 190	D	D
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft . .	D	D	D	D
32411015	Gasoline used as a fuel mil gal . .	.3	342	1.2	1 199
21211013	Coal (bituminous, subbituminous, lignite, and anthracite) produced and used in the same plant as a fuel 1,000 s tons . .	D	X	D	X
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	—	X	—
00974000	Undistributed fuels#	X	D	X	D

Table 1. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 1997 and 1992—Con.

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified in the specified industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS supply or fuel code	Supply or fuel consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
212210, IRON ORE MINING					
Supplies Consumed by Type					
21221001	Crude iron ore received for concentration mil metric tons (wet basis)	D	D	D	D
21221003	Crude iron ore produced and concentrated at same establishment mil metric tons (wet basis)	196.8	X	179.2	X
21221007	Iron ore concentrates produced and agglomerated at same establishment mil metric tons (dry basis)	61.0	X	55.4	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	51 661	X	33 053
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	126 611	X	76 381
21232009	Bentonite and other clay nonmetallic minerals	X	34 043	X	20 856
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) except explosive materials and blasting accessories	X	32 366	X	17 459
32592013	Explosive materials (except ammonium nitrate) and blasting accessories	X	17 529	X	14 978
32592005	Ammonium nitrate	X	18 725	X	6 289
32621001	Tires and inner tubes	X	D	X	8 494
33151003	Iron and steel castings	X	61 144	X	D
33211101	Iron and steel forgings	X	36 998	X	D
33120059	Steel shapes and forms, except castings and forgings	X	D	X	27 481
00970098	All other supplies	X	104 590	X	N
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	2 521	X	1 896
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons	D	D	D	D
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 barrels	910.7	24 505	669.6	17 794
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 barrels	—	—	D	D
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft	34.3	80 835	29.7	59 765
32411015	Gasoline used as a fuel mil gal	1.4	1 296	1.1	1 021
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	5 340	X	4 465
00974000	Undistributed fuels#	X	D	X	D
212221, GOLD ORE MINING					
Supplies Consumed by Type					
21220001	Crude ore and residues received for concentration mil metric tons	D	D	—	—
21220003	Crude ore and residues mined and concentrated at same establishment mil metric tons	275.2	X	337.4	X
21222000	Material processed in placer operations mil cu meters	1.1	X	4.7	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	592 481	X	362 055
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	285 324	X	147 123
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) except explosive materials and blasting accessories	X	174 042	X	128 311
32592001	Explosive materials (including ammonium nitrate) and blasting accessories	X	86 402	X	61 609
32621001	Tires and inner tubes	X	76 204	X	39 015
32741001	Lime (including quicklime and hydrated lime) and dead-burned dolomite	X	48 577	X	26 304
33151003	Iron and steel castings	X	24 074	X	18 130
33211101	Iron and steel forgings	X	13 453	X	18 963
33120059	Steel shapes and forms, except castings and forgings	X	38 252	X	34 938
00970098	All other supplies	X	208 700	X	196 015
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	D	X	21 199
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons	D	D	D	D
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 barrels	3 130.5	103 489	2 360.0	72 305
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 barrels	D	D	279.5	8 437
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft	D	D	D	D
32411015	Gasoline used as a fuel mil gal	13.1	14 297	5.3	5 840
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	22 411	X	11 089
00974000	Undistributed fuels#	X	6 567	X	8 687
212222, SILVER ORE MINING					
Supplies Consumed by Type					
21220001	Crude ore and residues received for concentration mil metric tons	—	—	—	—
21220003	Crude ore and residues mined and concentrated at same establishment mil metric tons	D	X	D	X
21222000	Material processed in placer operations mil cu meters	—	X	—	—
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	3 203	X	D
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	6 582	X	D
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) except explosive materials and blasting accessories	X	6 341	X	D
32592001	Explosive materials (including ammonium nitrate) and blasting accessories	X	2 773	X	D
32621001	Tires and inner tubes	X	D	X	D
32741001	Lime (including quicklime and hydrated lime) and dead-burned dolomite	X	1 406	X	D
33151003	Iron and steel castings	X	D	X	—
33211101	Iron and steel forgings	X	—	X	—
33120059	Steel shapes and forms, except castings and forgings	X	1 798	X	D
00970098	All other supplies	X	D	X	11 835
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	496	X	1 164
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons	—	—	—	—
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 barrels	D	D	D	D
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 barrels	D	D	D	D
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft	D	D	D	D
32411015	Gasoline used as a fuel mil gal . . . . .	.1	154	.1	110
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	D	X	D
00974000	Undistributed fuels#	X	D	X	D

Table 1. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 1997 and 1992—Con.

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified in the specified industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS supply or fuel code	Supply or fuel consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
212231, LEAD ORE & ZINC ORE MINING					
Supplies Consumed by Type					
21220001	Crude ore and residues received for concentration mil metric tons . .	D	D	D	D
21220003	Crude ore and residues mined and concentrated at same establishment mil metric tons . .	10.4	X	D	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	66 583	X	20 847
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	30 336	X	28 928
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) except explosive materials and blasting accessories	X	8 407	X	7 603
32592001	Explosive materials (including ammonium nitrate) and blasting accessories	X	8 581	X	6 901
32621001	Tires and inner tubes	X	3 563	X	2 839
32741001	Lime (including quicklime and hydrated lime) and dead-burned dolomite	X	D	X	497
33151003	Iron and steel castings	X	D	X	D
33211101	Iron and steel forgings	X	D	X	D
33120059	Steel shapes and forms, except castings and forgings	X	1 883	X	D
00970098	All other supplies	X	16 855	X	N
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	440	X	729
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons . .	D	D	D	D
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 barrels . .	D	D	88.3	2 477
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 barrels . .	D	D	-	-
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft . .	D	D	D	D
32411015	Gasoline used as a fuel mil gal . .	.1	91	.2	185
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	D	X	D
00974000	Undistributed fuels#	X	94	X	106
212234, COPPER ORE & NICKEL ORE MINING					
Supplies Consumed by Type					
21220001	Crude ore and residues received for concentration mil metric tons . .	77.7	212 140	N	N
21220003	Crude ore and residues mined and concentrated at same establishment mil metric tons . .	652.6	X	N	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	277 435	X	N
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	284 288	X	N
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) except explosive materials and blasting accessories	X	99 791	X	N
32592001	Explosive materials (including ammonium nitrate) and blasting accessories	X	52 293	X	N
32621001	Tires and inner tubes	X	74 746	X	N
32741001	Lime (including quicklime and hydrated lime) and dead-burned dolomite	X	23 778	X	N
33151003	Iron and steel castings	X	48 084	X	N
33211101	Iron and steel forgings	X	17 029	X	N
33120059	Steel shapes and forms, except castings and forgings	X	47 064	X	N
00970098	All other supplies	X	195 059	X	N
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	1 873	X	N
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons . .	-	-	-	-
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 barrels . .	3 057.9	95 634	N	N
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 barrels . .	D	D	N	N
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft . .	1.8	4 085	N	N
32411015	Gasoline used as a fuel mil gal . .	3.1	3 307	N	N
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	357	X	N
00974000	Undistributed fuels#	X	D	X	N
212291, URANIUM-RADIUM-VANADIUM ORE MINING					
Supplies Consumed by Type					
21220005	Other ores and concentrates received for treatment mil metric tons (dry basis) . .	D	D	N	2 168
21220007	Other ores and concentrates produced and treated at the same establishment mil metric tons (dry basis) . .	-	X	D	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	8 962	X	4 298
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	5 708	X	1 157
21232009	Bentonite and other clay nonmetallic minerals	X	-	-	-
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) except explosive materials and blasting accessories	X	4 931	X	4 686
32592005	Ammonium nitrate	X	D	X	D
32592013	Explosive materials (except ammonium nitrate) and blasting accessories	X	D	X	D
32621001	Tires and inner tubes	X	D	X	D
33151003	Iron and steel castings	X	-	X	-
33211101	Iron and steel forgings	X	-	X	-
33120059	Steel shapes and forms, except castings and forgings	X	D	X	D
00970098	All other supplies	X	5 896	X	N
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	3 748	X	7 800
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons . .	-	-	-	-
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 barrels . .	1.5	59	D	D
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 barrels . .	-	-	D	D
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft . .	.3	834	.5	1 105
32411015	Gasoline used as a fuel mil gal . .	.1	153	.5	492
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	135	X	D
00974000	Undistributed fuels#	X	661	X	1 831

Table 1. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 1997 and 1992—Con.

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified in the specified industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS supply or fuel code	Supply or fuel consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
212299, ALL OTHER METAL ORE MINING					
Supplies Consumed by Type					
21220005	Other ores and concentrates received for treatment mil metric tons (dry basis) . .	S	7 926	N	N
21220007	Other ores and concentrates produced and treated at the same establishment mil metric tons (dry basis) . .	30.0	X	N	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	33 602	X	N
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	45 455	X	N
21232009	Bentonite and other clay nonmetallic minerals	X	—	—	—
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) except explosive materials and blasting accessories	X	21 468	X	N
32592005	Ammonium nitrate	X	4 062	X	N
32592013	Explosive materials (except ammonium nitrate) and blasting accessories	X	1 690	X	N
32621001	Tires and inner tubes	X	2 796	X	N
33151003	Iron and steel castings	X	8 390	X	N
33211101	Iron and steel forgings	X	D	X	N
33120059	Steel shapes and forms, except castings and forgings	X	D	X	N
00970098	All other supplies	X	18 139	X	N
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	2 464	X	N
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons . .	—	—	N	N
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 barrels . .	123.0	4 081	N	N
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 barrels . .	171.2	3 899	N	N
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft . .	.5	1 129	N	N
32411015	Gasoline used as a fuel mil gal . .	.4	423	N	N
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	666	X	N
00974000	Undistributed fuels#	X	586	X	N
212311, DIMENSION STONE MINING & QUARRYING					
Supplies Consumed by Type					
21231100	Rough blocks used to produce dressed stone 1,000 s tons . .	6.0	209	D	D
21231005	Broken stone received for preparation (crushing, screening, washing, etc.) mil s tons . .	—	—	—	—
21232001	Sand and gravel received for preparation mil s tons . .	—	—	D	D
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	2 925	X	1 696
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	676	X	D
32592003	Explosive materials, except ammonium nitrate	X	259	X	605
32592005	Ammonium nitrate	X	—	X	D
32592007	Blasting accessories	X	39	X	Z
32600007	Rubber and plastics products, including tires and tubes	X	162	X	206
33120059	Steel shapes and forms, except castings and forgings	X	36	X	Z
00970098	All other supplies	X	3 477	X	3 973
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	11 163	X	7 741
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons . .	—	—	—	—
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 barrels . .	27.5	972	12.2	365
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 barrels . .	6.0	176	D	D
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft . .	Z	16	Z	Z
32411015	Gasoline used as a fuel mil gal . .	.3	352	Z	201
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	32	X	D
00974000	Undistributed fuels#	X	2 207	X	2 551
212312, CRUSHED & BROKEN LIMESTONE MINING & QUARRYING					
Supplies Consumed by Type					
21231100	Rough blocks used to produce dressed stone 1,000 s tons . .	D	D	18.9	801
21231005	Broken stone received for preparation (crushing, screening, washing, etc.) mil s tons . .	16.3	48 488	9.4	38 475
21232001	Sand and gravel received for preparation mil s tons . .	D	D	3.2	16 248
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	268 723	X	168 056
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	199 677	X	148 229
32592003	Explosive materials, except ammonium nitrate	X	81 648	X	54 318
32592005	Ammonium nitrate	X	26 459	X	17 363
32592007	Blasting accessories	X	9 022	X	8 981
32600007	Rubber and plastics products, including tires and tubes	X	31 225	X	25 424
33120059	Steel shapes and forms, except castings and forgings	X	11 569	X	15 258
00970098	All other supplies	X	145 571	X	98 664
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	243 149	X	131 451
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons . .	43.0	1 569	78.5	2 427
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 barrels . .	2 312.4	75 817	2 143.5	65 766
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 barrels . .	308.4	8 896	202.0	6 437
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft . .	2.3	6 595	3.2	6 923
32411015	Gasoline used as a fuel mil gal . .	11.3	12 149	12.4	11 089
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	2 458	X	758
00974000	Undistributed fuels#	X	56 418	X	52 867

Table 1. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 1997 and 1992—Con.

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified in the specified industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS supply or fuel code	Supply or fuel consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
212313, CRUSHED & BROKEN GRANITE MINING & QUARRYING					
Supplies Consumed by Type					
21231100	Rough blocks used to produce dressed stone	1,000 s tons..	—	—	—
21231005	Broken stone received for preparation (crushing, screening, washing, etc.)	mil s tons..	D	.9	1 405
21232001	Sand and gravel received for preparation	mil s tons..	D	.2	554
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation		X	164 804	X 40 687
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment		X	101 298	X 59 179
32592003	Explosive materials, except ammonium nitrate		X	27 249	X 17 869
32592005	Ammonium nitrate		X	4 930	X 3 227
32592007	Blasting accessories		X	3 854	X 1 117
32600007	Rubber and plastics products, including tires and tubes		X	13 541	X 7 598
33120059	Steel shapes and forms, except castings and forgings		X	16 577	X 7 389
00970098	All other supplies		X	52 883	X 33 414
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#		X	33 373	X 39 183
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	1,000 s tons..	D	D	D
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	1,000 barrels..	692.7	20 387	592.8 16 330
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	1,000 barrels..	170.9	4 706	42.1 1 250
21111015	Gas (natural, manufactured, and mixed) used as a fuel	bil cu ft..	D	D	D
32411015	Gasoline used as a fuel	mil gal..	1.9	1 971	2.0 2 046
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)		X	D	X D
00974000	Undistributed fuels#		X	6 003	X 5 646
212319, OTHER CRUSHED & BROKEN STONE MINING & QUARRYING					
Supplies Consumed by Type					
21231100	Rough blocks used to produce dressed stone	1,000 s tons..	—	—	N N
21231005	Broken stone received for preparation (crushing, screening, washing, etc.)	mil s tons..	3.4	11 580	N N
21232001	Sand and gravel received for preparation	mil s tons..	3.1	8 723	N N
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation		X	47 348	X N
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment		X	52 560	X N
32592003	Explosive materials, except ammonium nitrate		X	9 475	X N
32592005	Ammonium nitrate		X	5 826	X N
32592007	Blasting accessories		X	2 141	X N
32600007	Rubber and plastics products, including tires and tubes		X	6 102	X N
33120059	Steel shapes and forms, except castings and forgings		X	5 602	X N
00970098	All other supplies		X	30 908	X N
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#		X	95 780	X N
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	1,000 s tons..	—	—	N N
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	1,000 barrels..	468.4	15 887	N N
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	1,000 barrels..	60.3	1 685	N N
21111015	Gas (natural, manufactured, and mixed) used as a fuel	bil cu ft..	1.8	5 851	N N
32411015	Gasoline used as a fuel	mil gal..	1.5	1 583	N N
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)		X	174	X N
00974000	Undistributed fuels#		X	20 770	X N
212321, CONSTRUCTION SAND & GRAVEL MINING					
Supplies Consumed by Type					
21231100	Rough blocks used to produce dressed stone	1,000 s tons..	—	—	—
21231005	Broken stone received for preparation (crushing, screening, washing, etc.)	mil s tons..	4.0	7 521	1.8 5 295
21232001	Sand and gravel received for preparation	mil s tons..	29.4	73 467	24.3 57 069
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation		X	133 049	X 97 918
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment		X	102 407	X 82 253
32592003	Explosive materials, except ammonium nitrate		X	2 306	X 2 135
32592005	Ammonium nitrate		X	339	X 134
32592007	Blasting accessories		X	242	X 310
32600007	Rubber and plastics products, including tires and tubes		X	7 947	X 5 326
33120059	Steel shapes and forms, except castings and forgings		X	6 945	X 6 402
00970098	All other supplies		X	60 112	X 62 442
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#		X	349 035	X 251 042
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	1,000 s tons..	D	D	D D
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	1,000 barrels..	1 403.8	48 795	1 138.8 36 205
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	1,000 barrels..	315.1	9 652	180.8 6 228
21111015	Gas (natural, manufactured, and mixed) used as a fuel	bil cu ft..	1.4	3 759	.7 1 670
32411015	Gasoline used as a fuel	mil gal..	5.7	6 044	5.1 5 026
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)		X	D	X D
00974000	Undistributed fuels#		X	96 872	X 77 013
212322, INDUSTRIAL SAND MINING					
Supplies Consumed by Type					
21231100	Rough blocks used to produce dressed stone	1,000 s tons..	—	—	—
21231005	Broken stone received for preparation (crushing, screening, washing, etc.)	mil s tons..	D	D	D D
21232001	Sand and gravel received for preparation	mil s tons..	.7	4 943	1.7 6 462
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation		X	24 632	X 20 225
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment		X	24 619	X 11 948
32592003	Explosive materials, except ammonium nitrate		X	1 411	X 624
32592005	Ammonium nitrate		X	D	X 570

Table 1. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 1997 and 1992—Con.

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified in the specified industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS supply or fuel code	Supply or fuel consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
212322, INDUSTRIAL SAND MINING—Con.					
Supplies Consumed by Type—Con.					
32592007	Blasting accessories	X	129	X	D
32600007	Rubber and plastics products, including tires and tubes	X	636	X	333
33120059	Steel shapes and forms, except castings and forgings	X	1 541	X	659
00970098	All other supplies	X	28 570	X	37 020
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	13 569	X	9 401
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	D	D	D	D
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	87.6	2 797	128.9	4 010
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	33.3	824	36.8	737
21111015	Gas (natural, manufactured, and mixed) used as a fuel	6.4	17 103	5.9	13 348
32411015	Gasoline used as a fuel	D	D	.4	394
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	1 235	X	D
00974000	Undistributed fuels#	X	3 542	X	4 568
212324, KAOLIN & BALL CLAY MINING					
Supplies Consumed by Type					
21232013	Crude clay, ceramic, and refractory minerals received for preparation	385.9	3 468	2 509.2	19 753
21232015	Crude clay, ceramic, and refractory minerals mined and prepared at same establishment	9 027.3	X	8 360.2	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	55 456	X	43 834
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	27 366	X	D
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) except explosive materials and blasting accessories	X	68 189	X	42 911
33120059	Steel shapes and forms, except castings and forgings	X	D	X	D
00970098	All other supplies	X	49 718	X	N
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	D	X	228
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	D	D	D	D
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	D	D	102.1	3 045
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	D	D	D	D
21111015	Gas (natural, manufactured, and mixed) used as a fuel	14.0	43 932	16.1	33 177
32411015	Gasoline used as a fuel .....	.7	805	.6	566
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	582	X	344
00974000	Undistributed fuels#	X	2 403	X	D
212325, CLAY & CERAMIC & REFRACTORY MINERALS MINING					
Supplies Consumed by Type					
21232013	Crude clay, ceramic, and refractory minerals received for preparation	D	D	907.1	10 837
21232015	Crude clay, ceramic, and refractory minerals mined and prepared at same establishment	12 353.7	X	12 946.9	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	33 281	X	22 670
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	22 820	X	14 208
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) except explosive materials and blasting accessories	X	16 136	X	4 717
33120059	Steel shapes and forms, except castings and forgings	X	D	X	4 597
00970098	All other supplies	X	44 106	X	N
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	18 403	X	16 208
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	241.3	6 897	D	D
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	207.4	4 696	259.1	6 686
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	68.6	1 333	D	D
21111015	Gas (natural, manufactured, and mixed) used as a fuel	7.0	20 077	8.5	19 479
32411015	Gasoline used as a fuel .....	.4	427	.7	702
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)	X	1 064	X	452
00974000	Undistributed fuels#	X	4 194	X	D
212391, POTASH, SODA, & BORATE MINERAL MINING					
Supplies Consumed by Type					
21239003	Crude minerals received for preparation	D	D	D	D
21239005	Crude minerals mined and prepared at same establishment	35.6	X	33.3	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	69 009	X	45 702
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	67 167	X	53 775
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) except explosive materials and blasting accessories	X	93 749	X	42 531
32592001	Explosive materials (including ammonium nitrate) and blasting accessories	X	2 765	X	D
33120059	Steel shapes and forms, except castings and forgings	X	4 543	X	15 848
00970098	All other supplies	X	45 168	X	41 084
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	D	X	845

Table 1. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 1997 and 1992—Con.

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified in the specified industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS supply or fuel code	Supply or fuel consumed	1997		1992		
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)	
212391, POTASH, SODA, & BORATE MINERAL MINING—Con.						
Fuels Consumed by Type						
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	1,000 s tons..	1 712.2	43 827	1 329.1	32 862
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	1,000 barrels..	D	D	D	D
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	1,000 barrels..	D	D	D	D
21111015	Gas (natural, manufactured, and mixed) used as a fuel	bil cu ft..	25.2	51 901	27.8	51 066
32411015	Gasoline used as a fuel	mil gal..	.3	322	1.4	1 197
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)		X	D	X	D
00974000	Undistributed fuels#		X	D	X	272
212392, PHOSPHATE ROCK MINING						
Supplies Consumed by Type						
21239003	Crude minerals received for preparation	mil metric tons (dry basis)..	—	—	D	D
21239005	Crude minerals mined and prepared at same establishment	mil metric tons (dry basis)..	157.6	X	149.2	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation		X	98 240	X	113 623
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment		X	104 313	X	60 014
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) except explosive materials and blasting accessories		X	33 257	X	33 450
32592001	Explosive materials (including ammonium nitrate) and blasting accessories		X	D	X	D
33120059	Steel shapes and forms, except castings and forgings		X	D	X	D
00970098	All other supplies		X	49 898	X	49 458
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#		X	325	X	284
Fuels Consumed by Type						
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	1,000 s tons..	D	D	D	D
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	1,000 barrels..	315.1	10 305	D	D
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	1,000 barrels..	108.6	2 391	D	D
21111015	Gas (natural, manufactured, and mixed) used as a fuel	bil cu ft..	.7	2 202	2.1	5 980
32411015	Gasoline used as a fuel	mil gal..	1.4	1 520	2.8	2 789
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)		X	1 195	X	D
00974000	Undistributed fuels#		X	D	X	90
212393, OTHER CHEMICAL & FERTILIZER MINERAL MINING						
Supplies Consumed by Type						
21239003	Crude minerals received for preparation	mil metric tons (dry basis)..	D	D	D	D
21239005	Crude minerals mined and prepared at same establishment	mil metric tons (dry basis)..	15.2	X	12.0	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation		X	9 404	X	102 139
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment		X	11 615	X	5 713
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) except explosive materials and blasting accessories		X	D	X	6 953
32592001	Explosive materials (including ammonium nitrate) and blasting accessories		X	3 932	X	3 952
33120059	Steel shapes and forms, except castings and forgings		X	D	X	3 999
00970098	All other supplies		X	16 469	X	33 749
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#		X	D	X	D
Fuels Consumed by Type						
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	1,000 s tons..	—	—	D	D
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	1,000 barrels..	D	D	32.5	992
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	1,000 barrels..	D	D	41.3	1 349
21111015	Gas (natural, manufactured, and mixed) used as a fuel	bil cu ft..	D	D	24.6	45 128
32411015	Gasoline used as a fuel	mil gal..	D	D	.3	276
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)		X	D	X	D
00974000	Undistributed fuels#		X	D	X	721
212399, ALL OTHER NONMETALLIC MINERAL MINING						
Supplies Consumed by Type						
21239003	Crude minerals received for preparation	mil metric tons (dry basis)..	.2	3 132	N	N
21239005	Crude minerals mined and prepared at same establishment	mil metric tons (dry basis)..	10.4	X	N	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation		X	75 478	X	N
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment		X	19 059	X	N
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) except explosive materials and blasting accessories		X	4 642	X	N
32592001	Explosive materials (including ammonium nitrate) and blasting accessories		X	1 465	X	N
33120059	Steel shapes and forms, except castings and forgings		X	877	X	N
00970098	All other supplies		X	52 731	X	N
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#		X	27 612	X	N
Fuels Consumed by Type						
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	1,000 s tons..	D	D	N	N
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	1,000 barrels..	174.1	6 116	N	N
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	1,000 barrels..	54.6	1 199	N	N
21111015	Gas (natural, manufactured, and mixed) used as a fuel	bil cu ft..	3.6	10 795	N	N
32411015	Gasoline used as a fuel	mil gal..	1.1	1 299	N	N
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)		X	D	X	N
00974000	Undistributed fuels#		X	7 189	X	N

Table 1. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 1997 and 1992—Con.

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified in the specified industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS supply or fuel code	Supply or fuel consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
213111, DRILLING OIL & GAS WELLS					
Supplies Consumed by Type					
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	1 920 176	X	237 180
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	189 155	X	82 569
32500075	Industrial chemicals, including acidizing materials(except drilling fluids)	X	7 498	X	D
32592001	Explosive materials (including ammonium nitrate) and blasting accessories	X	2 613	X	D
32599803	Drilling fluids (drilling mud and drilling mud materials; mud thinners, thickeners, and purifiers)	X	54 745	X	45 397
32419100	Lubricating oils and greases, including hydraulic oils	X	28 330	X	21 319
32731001	Cement	X	22 868	X	16 312
33120059	Steel shapes and forms, except castings and forgings	X	139 420	X	65 727
33300005	Drill bits and reamers	X	80 074	X	76 368
33451900	Measuring and controlling instruments and devices (seismometers, surveying and plotting instruments, etc.)	X	56 463	X	6 197
00970098	All other supplies	X	219 423	X	136 381
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	288 331	X	222 554
Fuels Consumed by Type					
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	1 000 barrels	3 355.3	2 806.7	87 095
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	1,000 barrels	1 954.1	394.2	14 471
21111015	Gas (natural, manufactured, and mixed) used as a fuel	bil cu ft	.6	D	D
32411015	Gasoline used as a fuel	mil gal	26.0	12.6	13 608
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)		X	X	D
00974000	Undistributed fuels#		X	X	D
213112, SUPPORT ACTIVITIES FOR OIL & GAS OPERATIONS					
Supplies Consumed by Type					
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	391 680	X	N
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	130 015	X	N
32500075	Industrial chemicals, including acidizing materials(except drilling fluids)	X	276 282	X	N
32592001	Explosive materials (including ammonium nitrate) and blasting accessories	X	25 667	X	N
32599803	Drilling fluids (drilling mud and drilling mud materials; mud thinners, thickeners, and purifiers)	X	4 465	X	N
32419100	Lubricating oils and greases, including hydraulic oils	X	18 513	X	N
32731001	Cement	X	158 002	X	N
33120059	Steel shapes and forms, except castings and forgings	X	85 157	X	N
33300005	Drill bits and reamers	X	1 977	X	N
33451900	Measuring and controlling instruments and devices (seismometers, surveying and plotting instruments, etc.)	X	10 136	X	N
00970098	All other supplies	X	438 536	X	N
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	473 902	X	N
Fuels Consumed by Type					
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	1,000 barrels	1 424.8	N	N
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	1,000 barrels	1 032.1	N	N
21111015	Gas (natural, manufactured, and mixed) used as a fuel	bil cu ft	1.4	N	N
32411015	Gasoline used as a fuel	mil gal	37.6	N	N
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)		X	X	N
00974000	Undistributed fuels#		X	X	N
213113, SUPPORT ACTIVITIES FOR COAL MINING					
Supplies Consumed by Type					
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	16 282	X	7 670
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	24 556	X	28 908
32592005	Ammonium nitrate	X	3 789	X	9 913
32592013	Explosive materials (except ammonium nitrate) and blasting accessories	X	5 837	X	6 616
33120059	Steel shapes and forms, except castings and forgings	X	4 759	X	4 437
00970098	All other supplies	X	19 235	X	21 064
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	45 724	X	37 455
Fuels Consumed by Type					
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	1,000 s tons	-	-	-
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	1,000 barrels	166.4	240.8	7 112
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	1,000 barrels	47.8	D	D
21111015	Gas (natural, manufactured, and mixed) used as a fuel	bil cu ft	D	D	D
32411015	Gasoline used as a fuel	mil gal	.9	1.5	1 621
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)		X	X	D
00974000	Undistributed fuels#		X	X	D
213114, SUPPORT ACTIVITIES FOR METAL MINING					
Supplies Consumed by Type					
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	X	11 514	X	N
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	X	18 648	X	N
32592005	Ammonium nitrate	X	D	X	N
32592013	Explosive materials (except ammonium nitrate) and blasting accessories	X	D	X	N
33120059	Steel shapes and forms, except castings and forgings	X	6 963	X	N
00970098	All other supplies	X	D	X	N
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#	X	19 175	X	N

Table 1. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 1997 and 1992—Con.

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified in the specified industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS supply or fuel code	Supply or fuel consumed	1997		1992		
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)	
213114, SUPPORT ACTIVITIES FOR METAL MINING—Con.						
Fuels Consumed by Type						
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	1,000 s tons . .	—	—	N	N
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	1,000 barrels . .	113.9	3 988	N	N
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	1,000 barrels . .	—	—	N	N
21111015	Gas (natural, manufactured, and mixed) used as a fuel	bil cu ft	D	D	N	N
32411015	Gasoline used as a fuel	mil gal	1.8	2 169	N	N
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)		X	D	X	N
00974000	Undistributed fuels#		X	D	X	N
213115, SUPPORT ACTIVITIES FOR NONMETALLIC MINERALS (EXCEPT FUELS)						
Supplies Consumed by Type						
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation		X	8 519	X	N
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment		X	8 620	X	N
32592005	Ammonium nitrate		X	490	X	N
32592013	Explosive materials (except ammonium nitrate) and blasting accessories		X	2 199	X	N
33120059	Steel shapes and forms, except castings and forgings		X	627	X	N
00970098	All other supplies		X	5 793	X	N
00973000	Undistributed - minerals, purchased machinery, parts, attachments, and supplies used#		X	18 970	X	N
Fuels Consumed by Type						
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel	1,000 s tons . .	—	—	N	N
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	1,000 barrels . .	127.4	4 465	N	N
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	1,000 barrels . .	33.0	972	N	N
21111015	Gas (natural, manufactured, and mixed) used as a fuel	bil cu ft	D	D	N	N
32411015	Gasoline used as a fuel	mil gal . . . . .	.7	786	N	N
00960018	Other fuels (liquefied pet. gas, coke, wood, etc.)		X	D	X	N
00974000	Undistributed fuels#		X	4 339	X	N

Additional information is available for this item; see Appendix F.

Appendix A.

Explanation of Terms

COST OF SUPPLIES USED, PURCHASED MACHINERY INSTALLED, ETC.

This term refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these items. It includes the cost of these items whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year. Included are items charged to both current and capital accounts.

Included in this item are:

1. **Costs of supplies used, minerals received for preparation, and purchased machinery installed.**
Includes all major supplies which were important parts of the cost of production, exploration, and development of a particular industry.
2. **Cost of fuels consumed for heat and power.**
Includes the cost of fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

Specific Supplies Used, Minerals Received for Preparation and Purchased Machinery Installed

In addition to the total cost of supplies, purchased machinery installed, etc., which every establishment was required to report, information also was collected on the

consumption of the major supplies used in mining. The inquiries were restricted to those supplies which were important parts of the cost of production, exploration, and development in a particular industry and for which cost information was available from the establishment's records. Except for the crude petroleum and natural gas and the support activities for mining industries, figures were also obtained on crude minerals mined at the establishment, received from other establishments of the company or purchased from others, and received for preparation on a custom or toll basis. If less than \$25,000 of a listed supply was consumed by an establishment, the cost data could be reported in the "All other supplies..." census supply code 00970098. Also, the cost of supplies for small establishments for which administrative records or short forms were used was imputed into the "Undistributed - minerals, purchased machinery, parts.....," census supply code 00973000.

Specific Fuels Consumed

For most industries, separate quantity and cost figures are shown for purchased coal, distillate fuel oil, residual fuel oil, gas, gasoline, and a cost figure for other fuels. Data also were obtained on the quantity of crude petroleum, natural gas, and coal produced and consumed at the same establishment for heat and power. The cost of fuels for small establishments for which administrative records or short forms were used was imputed into the "Undistributed fuels," census fuel code 00974000.

Appendix B.

NAICS Codes, Titles, and Descriptions

SECTOR 21 MINING

The Mining sector comprises establishments that extract naturally occurring mineral solids, such as coal and ores; liquid minerals, such as crude petroleum; and gases, such as natural gas. The term mining is used in the broad sense to include quarrying, well operations, beneficiating (e.g., crushing, screening, washing, and flotation), and other preparation customarily performed at the mine site, or as a part of mining activity.

The Mining sector distinguishes two basic activities: mine operation and mining support activities. Mine operation includes establishments operating mines, quarries, or oil and gas wells on their own account or for others on a contract or fee basis. Mining support activities include establishments that perform exploration (except geophysical surveying) and/or other mining services on a contract or fee basis.

Establishments in the Mining sector are grouped and classified according to the natural resource mined or to be mined. Industries include establishments that develop the mine site, extract the natural resources, and /or those that beneficiate (i.e., prepare) the mineral mined. Beneficiation is the process whereby the extracted material is reduced to particles that can be separated into mineral and waste, the former suitable for further processing or direct use. The operations that take place in beneficiation are primarily mechanical, such as grinding, washing, magnetic separation, and centrifugal separation. In contrast, manufacturing operations primarily use chemical and electrochemical processes, such as electrolysis and distillation. However some treatments, such as heat treatments, take place in both the beneficiation and the manufacturing (i.e., smelting/refining) stages. The range of preparation activities varies by mineral and the purity of any given ore deposit. While some minerals, such as petroleum and natural gas, require little or no preparation, others are washed and screened, while yet others, such as gold and silver, can be transformed into bullion before leaving the mine site.

Mining, beneficiating, and manufacturing activities often occur in a single location. Separate receipts will be collected for these activities whenever possible. When receipts cannot be broken out between mining and manufacturing, establishments that mine or quarry nonmetallic minerals, beneficiate the nonmetallic minerals into more finished manufactured products are classified based on the primary activity of the establishment. A mine that manufactures a small amount of finished products will be

classified in Sector 21, Mining. An establishment that mines whose primary output is a more finished manufactured product will be classified in Sector 31-33, Manufacturing.

211 Oil and Gas Extraction

Industries in the Oil and Gas Extraction subsector operate and/or develop oil and gas field properties. Such activities may include exploration for crude petroleum and natural gas; drilling, completing, and equipping wells; operating separators, emulsion breakers, desilting equipment, and field gathering lines for crude petroleum; and all other activities in the preparation of oil and gas up to the point of shipment from the producing property. This subsector includes the production of crude petroleum, the mining and extraction of oil from oil shale and oil sands, and the production of natural gas and recovery of hydrocarbon liquids.

Establishments in this subsector include those that operate oil and gas wells on their own account or for others on a contract or fee basis. Establishments primarily engaged in providing support services, on a fee or contract basis, required for the drilling or operation of oil and gas wells (except geophysical surveying and mapping) are classified in Subsector 213, Support Activities for Mining.

2111 Oil and Gas Extraction

This NAICS Industry Group includes establishments classified in NAICS Industry 21111, Oil and Gas Extraction.

21111 Oil and Gas Extraction

This industry comprises establishments primarily engaged in operating and/or developing oil and gas field properties and establishments primarily engaged in recovering liquid hydrocarbons from oil and gas field gases. Such activities may include exploration for crude petroleum and natural gas; drilling, completing, and equipping wells; operation of separators, emulsion breakers, desilting equipment, and field gathering lines for crude petroleum; and all other activities in the preparation of oil and gas up to the point of shipment from the producing property. This industry includes the production of crude petroleum, the mining and extraction of oil from oil shale and oil sands, the production of natural gas and the recovery of hydrocarbon liquids from oil and gas field gases. Establishments in this industry operate oil and gas wells on their own account or for others on a contract or fee basis.

211111 Crude Petroleum and Natural Gas Extraction

This U.S. industry comprises establishments primarily engaged in (1) the exploration, development and/or the production of petroleum or natural gas from wells in which the hydrocarbons will initially flow or can be produced using normal pumping techniques, or (2) the production of crude petroleum from surface shales or tar sands or from reservoirs in which the hydrocarbons are semisolids. Establishments in this industry operate oil and gas wells on their own account or for others on a contract or fee basis.

The data published with NAICS code 211111 include the following SIC industry:

1311 Crude petroleum and natural gas

211112 Natural Gas Liquid Extraction

This U.S. industry comprises establishments primarily engaged in the recovery of liquid hydrocarbons from oil and gas field gases. Establishments primarily engaged in sulfur recovery from natural gas are included in this industry.

The data published with NAICS code 211112 include the following SIC industry:

1321 Natural gas liquids

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 211112 do not include establishments primarily engaged in sulfur recovery from natural gas. The NAICS definitions will be fully implemented with the 2002 Economic Census.

212 Mining (Except Oil and Gas)

Industries in the Mining (except Oil and Gas) subsector primarily engage in mining, mine site development, and beneficiating (i.e., preparing) metallic minerals and nonmetallic minerals, including coal. The term "mining" is used in the broad sense to include ore extraction, quarrying, and beneficiating (e.g., crushing, screening, washing, sizing, concentrating, and flotation), customarily done at the mine site.

Beneficiation is the process whereby the extracted material is reduced to particles which can be separated into mineral and waste, the former suitable for further processing or direct use. The operations that take place in beneficiation are primarily mechanical, such as grinding, washing, magnetic separation, centrifugal separation, and so on. In contrast, manufacturing operations primarily use chemical and electrochemical processes, such as electrolysis, distillation, and so on. However some treatments, such as heat treatments, take place in both stages: the beneficiation and the manufacturing (i.e., smelting/ refining) stages. The range of preparation activities varies by

mineral and the purity of any given ore deposit. While some minerals, such as petroleum and natural gas, require little or no preparation, others are washed and screened, while yet others, such as gold and silver, can be transformed into bullion before leaving the mine site.

Establishments in the Mining (except Oil and Gas) subsector include those that have complete responsibility for operating mines and quarries (except oil and gas wells) and those that operate mines and quarries (except oil and gas wells) for others on a contract or fee basis. Establishments primarily engaged in providing support services, on a contract or fee basis, required for the mining and quarrying of minerals are classified in Subsector 213, Support Activities for Mining.

2121 Coal Mining

This NAICS Industry Group includes establishments classified in NAICS Industry 21211, Coal Mining.

21211 Coal Mining

This industry comprises establishments primarily engaged in one or more of the following: (1) mining bituminous coal, anthracite, and lignite by underground mining, auger mining, strip mining, culm bank mining, and other surface mining; (2) developing coal mine sites; and (3) beneficiating (i.e., preparing) coal (e.g., cleaning, washing, screening, and sizing coal).

212111 Bituminous Coal and Lignite Surface Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) surface mining or development of bituminous coal and lignite; (2) developing bituminous coal and lignite surface mine sites; and (3) beneficiating bituminous coal (e.g., cleaning, washing, screening, and sizing coal) whether mined on surface or underground.

The data published with NAICS code 212111 include the following SIC industry:

1221 Bituminous coal and lignite surface mining

212112 Bituminous Coal Underground Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) the underground mining of bituminous coal; (2) developing bituminous coal underground mine sites; and (3) the underground mining and beneficiating bituminous coal (e.g., cleaning, washing, screening, and sizing coal).

The data published with NAICS code 212112 include the following SIC industry:

1222 Bituminous coal underground mining

212113 Anthracite Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) mining anthracite coal; (2) developing anthracite coal mining sites; and (3) beneficiating anthracite coal (e.g., cleaning, washing, screening, and sizing coal).

The data published with NAICS code 212113 include the following SIC industry:

1231 Anthracite mining

2122 Metal Ore Mining

This industry group comprises establishments primarily engaged in developing mine sites or mining metallic minerals, and establishments primarily engaged in ore dressing and beneficiating (i.e., preparing) operations, such as crushing, grinding, washing, drying, sintering, concentrating, calcining, and leaching. Beneficiating may be performed at mills operated in conjunction with the mines served or at mills, such as custom mills, operated separately.

21221 Iron Ore Mining

This industry comprises establishments primarily engaged in (1) developing mine sites, mining, and/or beneficiating (i.e., preparing) iron ores and manganiferous ores valued chiefly for their iron content and/or (2) producing sinter iron ore (except iron ore produced in iron and steel mills) and other iron ore agglomerates.

212210 Iron Ore Mining

This U.S. industry comprises establishments primarily engaged in (1) developing mine sites, mining, and/or beneficiating (i.e., preparing) iron ores and manganiferous ores valued chiefly for their iron content and/or (2) producing sinter iron ore (except iron ore produced in iron and steel mills) and other iron ore agglomerates.

The data published with NAICS code 212210 include the following SIC industry:

1011 Iron ores

21222 Gold Ore and Silver Ore Mining

This industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) ores valued chiefly for their gold and or silver content. Establishments primarily engaged in the transformation of the gold and silver into bullion or dore bar in combination with mining activities are included in this industry.

212221 Gold Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) ores valued chiefly for their gold

content. Establishments primarily engaged in transformation of the gold into bullion or dore bar in combination with mining activities are included in this industry.

The data published with NAICS code 212221 include the following SIC industry:

1041 Gold ores

212222 Silver Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) ores valued chiefly for their silver content. Establishments primarily engaged in transformation of the silver into bullion or dore bar in combination with mining activities are included in this industry.

The data published with NAICS code 212222 include the following SIC industry:

1044 Silver ores

21223 Copper, Nickel, Lead, and Zinc Mining

This industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) ores valued chiefly for their copper, nickel, lead, or zinc content. Beneficiating includes the transformation of ores into concentrates.

212231 Lead Ore and Zinc Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) lead ores, zinc ores, or lead-zinc ores.

The data published with NAICS code 212231 include the following SIC industry:

1031 Lead and zinc ores

212234 Copper Ore and Nickel Ore Mining

This U.S. industry comprises establishments primarily engaged in (1) developing the mine site, mining, and/or beneficiating (i.e., preparing) copper and/or nickel ores, and (2) recovering copper concentrates by the precipitation, leaching, or electrowinning of copper ore.

The data published with NAICS code 212234 include the following SIC industries:

1021 Copper ores

1061 Ferroalloy ores, except vanadium (pt)

21229 Other Metal Ore Mining

This industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) metal ores (except iron and manganiferous ores valued for their iron content, gold ore, silver ore, copper, nickel, lead, and zinc ore).

212291 Uranium-Radium-Vanadium Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) uranium-radium-vanadium ores.

The data published with NAICS code 212291 include the following SIC industry:

1094 Uranium-radium-vanadium ores

212299 All Other Metal Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) metal ores (except iron and manganese ores valued for their iron content, gold ore, silver ore, copper, nickel, lead, zinc, and uranium-radium-vanadium ore).

The data published with NAICS code 212299 include the following SIC industry:

1099 Miscellaneous metal ores, n.e.c.,

1061 Ferroalloy ores, except vanadium (pt)

2123 Nonmetallic Mineral Mining and Quarrying

This industry group comprises establishments primarily engaged in developing mine sites, or in mining or quarrying nonmetallic minerals (except fuels). Also included are certain well and brine operations, and preparation plants primarily engaged in beneficiating (e.g., crushing, grinding, washing, and concentrating) nonmetallic minerals.

Beneficiation is the process whereby the extracted material is reduced to particles which can be separated into mineral and waste, the former suitable for further processing or direct use. The operations that take place in beneficiation are primarily mechanical, such as grinding, washing, magnetic separation, and centrifugal separation. In contrast, manufacturing operations primarily use chemical and electrochemical processes, such as electrolysis and distillation. However some treatments, such as heat treatments, take place in both the beneficiation and the manufacturing (i.e., smelting/refining) stages. The range of preparation activities varies by mineral and the purity of any given ore deposit. While some minerals, such as petroleum and natural gas, require little or no preparation, others are washed and screened, while yet others, such as gold and silver, can be transformed into bullion before leaving the mine site.

21231 Stone Mining and Quarrying

This industry comprises (1) establishments primarily engaged in developing the mine site, mining or quarrying dimension stone (i.e., rough blocks and/or slabs of stone), or mining and quarrying crushed and broken stone and/or (2) preparation plants primarily engaged in beneficiating stone (e.g., crushing, grinding, washing, screening, pulverizing, and sizing).

212311 Dimension Stone Mining and Quarrying

This U.S. industry comprises establishments primarily engaged in developing the mine site and/or mining or quarrying dimension stone (i.e., rough blocks and/or slabs of stone).

The data published with NAICS code 212311 include the following SIC industry:

1411 Dimension stone

212312 Crushed and Broken Limestone Mining and Quarrying

This U.S. industry comprises (1) establishments primarily engaged in developing the mine site, mining or quarrying crushed and broken limestone (including related rocks, such as dolomite, cement rock, marl, travertine, and calcareous tufa), and (2) preparation plants primarily engaged in beneficiating limestone (e.g., grinding or pulverizing).

The data published with NAICS code 212312 include the following SIC industry:

1422 Crushed and broken limestone

212313 Crushed and Broken Granite Mining and Quarrying

This U.S. industry comprises (1) establishments primarily engaged in developing the mine site, and/or mining or quarrying crushed and broken granite (including related rocks, such as gneiss, syenite, and diorite) and (2) preparation plants primarily engaged in beneficiating granite (e.g. grinding or pulverizing).

The data published with NAICS code 212313 include the following SIC industry:

1423 Crushed and broken granite

212319 Other Crushed and Broken Stone Mining and Quarrying

This U.S. industry comprises (1) establishments primarily engaged in developing the mine site and/or mining or quarrying crushed and broken stone (except limestone and granite), (2) preparation plants primarily engaged in beneficiating (e.g., grinding and pulverizing) stone (except limestone and granite), and (3) establishments primarily engaged in mining or quarrying bituminous limestone and bituminous sandstone.

The data published with NAICS code 212319 include the following SIC industries:

1429 Crushed and broken stone, n.e.c.

1499 Miscellaneous nonmetallic minerals, except fuels (pt)

21232 Sand, Gravel, Clay, and Ceramic and Refractory Minerals Mining and Quarrying

This industry comprises (1) establishments primarily engaged in developing the mine site and/or mining, quarrying, dredging for sand and gravel, or mining clay, (e.g., china clay, paper clay and slip clay) and (2) preparation plants primarily engaged in beneficiating (e.g., washing, screening, and grinding) sand and gravel, clay, and ceramic and refractory minerals.

212321 Construction Sand and Gravel Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) operating commercial grade (i.e., construction) sand and gravel pits; (2) dredging for commercial grade sand and gravel; and (3) washing, screening, or otherwise preparing commercial grade sand and gravel.

The data published with NAICS code 212321 include the following SIC industry:

1442 Construction sand and gravel

212322 Industrial Sand Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) operating industrial grade sand pits; (2) dredging for industrial grade sand; and (3) washing, screening, or otherwise preparing industrial grade sand.

The data published with NAICS code 212322 include the following SIC industry:

1446 Industrial sand

212324 Kaolin and Ball Clay Mining

This U.S. industry comprises (1) establishments primarily engaged in developing the mine site and/or mining kaolin or ball clay (e.g., china clay, paper clay, and slip clay) and (2) establishments primarily engaged in beneficiating (i.e., preparing) kaolin or ball clay.

The data published with NAICS code 212324 include the following SIC industry:

1455 Kaolin and ball clay

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 212324 do not include establishments only engaged in beneficiating or preparing kaolin and ball clay. The NAICS definitions will be fully implemented with the 2002 Economic Census.

212325 Clay and Ceramic and Refractory Minerals Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) mining clay (except kaolin and ball), ceramic, or refractory minerals;

(2) developing the mine site for clay, ceramic, or refractory minerals; and (3) beneficiating (i.e., preparing) clay (except kaolin and ball), ceramic, or refractory minerals.

The data published with NAICS code 212325 include the following SIC industry:

1459 Clay, ceramic, and refractory minerals, n.e.c.

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 212325 do not include establishments only engaged in beneficiating or preparing clay, ceramic and refractory minerals. The NAICS definitions will be fully implemented with the 2002 Economic Census.

21239 Other Nonmetallic Mineral Mining and Quarrying

This industry comprises establishments primarily engaged in developing the mine site, mining, and/or milling or otherwise beneficiating (i.e., preparing) nonmetallic minerals (except coal, stone, sand, gravel, clay, ceramic, and refractory minerals).

212391 Potash, Soda, and Borate Mineral Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining and/or milling, or otherwise beneficiating (i.e., preparing) natural potassium, sodium, or boron compounds. Drylake brine operations are included in this industry, as well as establishments engaged in producing the specified minerals from underground and open pit mines.

The data published with NAICS code 212391 include the following SIC industry:

1474 Potash, soda, and borate minerals

212392 Phosphate Rock Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, milling, and/or drying or otherwise beneficiating (i.e., preparing) phosphate rock.

The data published with NAICS code 212392 include the following SIC industry:

1475 Phosphate rock

212393 Other Chemical and Fertilizer Mineral Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, milling, and/or drying or otherwise beneficiating (i.e., preparing) chemical or fertilizer mineral raw materials (except potash, soda, boron, and phosphate rock).

The data published with NAICS code 212393 include the following SIC industry:

1479 Chemical and fertilizer mineral mining, n.e.c.

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 212393 do not include establishments only engaged in beneficiating or preparing chemical and fertilizer minerals. The NAICS definitions will be fully implemented with the 2002 Economic Census.

212399 All Other Nonmetallic Mineral Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining and/or milling or otherwise beneficiating (i.e., preparing) nonmetallic minerals (except stone, sand, gravel, clay, ceramic, refractory minerals, chemical and fertilizer minerals).

The data published with NAICS code 212399 include the following SIC industry:

1499 Miscellaneous nonmetallic minerals, except fuels (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 212399 do not include establishments only engaged in beneficiating or preparing miscellaneous nonmetallic minerals. The NAICS definitions will be fully implemented with the 2002 Economic Census.

213 Support Activities for Mining

Industries in the Support Activities for Mining subsector group establishments primarily providing support services, on a fee or contract basis, required for the mining and quarrying of minerals and for the extraction of oil and gas. Establishments performing exploration (except geophysical surveying and mapping) for minerals, on a contract or fee basis, are included in this subsector. Exploration includes traditional prospecting methods, such as taking core samples and making geological observations at prospective sites.

The activities performed on a fee or contract basis by establishments in the Support Activities for Mining subsector are also often performed in-house by mining operators. These activities include: taking core samples, making geological observations at prospective sites, and such oil and gas operations as spudding in, drilling in, re-drilling, directional drilling, excavating slush pits and cellars; grading and building foundations at well locations; well surveying; running, cutting, and pulling casings, tubes and rods; cementing wells; shooting wells; perforating well casings; acidizing and chemically treating wells; and cleaning out, bailing, and swabbing wells.

2131 Support Activities for Mining

This NAICS Industry Group includes establishments classified in NAICS Industry 21311, Support Activities for Mining.

21311 Support Activities for Mining

This industry comprises establishments primarily engaged in providing support services, on a fee or contract basis, required for the mining and quarrying of minerals and for the extraction of oil and gas. Drilling, taking core samples, and making geological observations at prospective sites (except geophysical surveying and mapping) for minerals, on a fee or contract basis, is included in this industry.

213111 Drilling Oil and Gas Wells

This U.S. industry comprises establishments primarily engaged in drilling oil and gas wells for others on a contract or fee basis. This industry includes contractors that specialize in spudding in, drilling in, re-drilling, and directional drilling.

The data published with NAICS code 213111 include the following SIC industry:

1381 Drilling oil and gas wells

213112 Support Activities for Oil and Gas Operations

This U.S. industry comprises establishments primarily engaged in performing oil and gas field services (except contract drilling) for others, on a contract or fee basis. Services included are exploration (except geophysical surveying and mapping); excavating slush pits and cellars; grading and building foundations at well locations; well surveying; running, cutting, and pulling casings, tubes, and rods; cementing wells; shooting wells; perforating well casings; acidizing and chemically treating wells; and cleaning out, bailing, and swabbing wells.

The data published with NAICS code 213112 include the following SIC industries:

1382 Oil and gas field exploration services (pt)

1389 Oil and gas field services, n.e.c.

213113 Support Activities for Coal Mining

This U.S. industry comprises establishments primarily engaged in providing support services, on a fee or contract basis, required for coal mining. Exploration for coal is included in this industry. Exploration includes traditional prospecting methods, such as taking core samples and making geological observations at prospective sites.

The data published with NAICS code 213113 include the following SIC industry:

1241 Coal mining services

213114 Support Activities for Metal Mining

This U.S. industry comprises establishments primarily engaged in providing support services, on a fee or contract basis, required for the mining and quarrying of metallic minerals and for the extraction of metal ores.

Exploration for minerals is included in this industry. Exploration (except geophysical surveying and mapping services) includes traditional prospecting methods, such as taking core samples and making geological observations at prospective sites.

The data published with NAICS code 213114 include the following SIC industry:

1081 Metal mining services (pt)

213115 Support Activities for Nonmetallic Minerals (Except Fuels)

This U.S. industry comprises establishments primarily engaged in providing support services, on a fee or contract basis, required for the mining and quarrying of nonmetallic minerals and for the extraction of nonmetallic

minerals. Exploration for minerals is included in this industry. Exploration (except geophysical surveying and mapping services) includes traditional prospecting methods, such as taking core samples and making geological observations at prospective sites.

The data published with NAICS code 213115 include the following SIC industry:

1481 Nonmetallic minerals services, except fuels (pt)

Appendix C.

Coverage and Methodology

MAIL/NONMAIL UNIVERSE

The mining universe includes about 25,000 establishments. This number includes those industries in the NAICS definition of mining, but not those portions of industries leaving the mining sector in the classification change. The amounts of information requested from mining establishments were dependent on a number of factors. The most important consideration was the size of the company. The methods of obtaining information for the various subsets of the universe to arrive at the aggregate figures shown in the publication are described below:

1. Small single-establishment companies not sent a report form.

Approximately 40 percent of the mining establishments were small single-establishment companies that were excused from filing a census report. Selection of these establishments was based on two factors: annual payroll and our ability to assign the correct six-digit NAICS industry classification to the establishment. For each four-digit Standard Industrial Classification (SIC) industry code, an annual payroll cut-off was determined. These cutoffs were derived so that the establishments with payroll less than the cutoff were expected to account for no more than 3 percent of the value of shipments and receipts for the industry. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms. Establishments below the cutoff that could not be directly assigned a six-digit NAICS code were mailed a classification report which requested information for assigning NAICS industry codes. Establishments below the cut-off that could be directly assigned a six-digit NAICS code were excused from filing any report. For below-cut-off establishments, information on the physical location, payroll, and receipts was obtained from the administrative records of other Federal agencies under special arrangements which safeguarded their confidentiality.

Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The value of shipments and receipts, cost of supplies, etc., and cost of fuels were not distributed among specific products, supplies, and fuels for these establishments but were included in the product, supplies, and fuels "not specified by kind" (nsk) categories.

The industry classification codes included in the administrative-record files were assigned on the basis of brief descriptions of the general activity of the establishment. As a result, an indeterminate number of establishments were erroneously coded to a four-digit SIC industry and then erroneously recoded to a six-digit NAICS industry. This was especially true whenever there was a relatively fine line of demarcation between industries or between mining and non-mining activity.

Sometimes the administrative-record cases had only two- or three-digit SIC group classification codes available in the files. For the 1997 Economic Census—Mining, these establishments were sent a separate classification form, which requested information on the products and services of the establishment. This form was used to code many of these establishments to the appropriate six-digit NAICS level. Establishments that did not return the classification form were coded later to those six-digit NAICS industries identified as a default within the given subsector.

As a result of these situations, a number of small establishments may have been misclassified by industry. However, such possible misclassification has no significant effect on the statistics other than on the number of companies and establishments.

The total establishment count for individual industries should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 employees or more are far more reliable than the count of total number of establishments.

2. Establishments sent a report form.

The establishments covered in the mail canvass were divided into two groups:

- a. Large and medium size establishments.

Approximately 48 percent of all mining establishments were included in this group. A variable cutoff, based on administrative-record payroll data and determined on an industry-by-industry basis, was used to select those establishments that were to receive 1 of the 10 economic census – mining regular forms. The first four pages, requesting establishment data for items, such as employment and payroll, costs, assets, and capital expenditures, were fairly standard although some variation occurred depending on the industries collected on

the form. The remaining pages of the form contained product, supply, fuel, and special inquiries. The diversity of the mining activities necessitated the use of several forms to canvass the 29 mining industries. Most forms were developed for a group of industries.

b. Small single-establishment companies.

This group included approximately 12 percent of all mining establishments. For those industries where application of the variable cutoff for administrative-record cases resulted in a large number of small establishments being included in the mail canvass, an abbreviated or short form was used. Establishments in the crushed stone, sand and gravel, and crude petroleum and natural gas industries with 5 to 19 employees received 1 of 2 versions of the short form. The form requested summary product and material data and totals but no details on payrolls, cost of supplies and fuels, assets, and capital expenditures.

Use of the short form has no adverse effect on published totals for the industry statistics because the same data were collected on the short form as on the long form. However, detailed information on supplies and fuels was not collected on the short form; thus, its use would increase the value of the industry categories.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each of the establishments covered in the 1997 Economic Census – Mining was classified in 1 of 29 mineral industries in accordance with the industry definitions in the 1997 NAICS manual. This is the first edition of the NAICS manual and is a major change from the 1987 SIC manual that was used in the past. Appendix A of the 1997 NAICS manual notes the comparability between the 1987 SIC and the 1997 NAICS classification systems. When applicable, Appendix G of this report shows the product comparability between the two systems for the data in this report.

In the NAICS system, an industry is generally defined as establishments grouped according to similarity in the processes used to produce the mineral products. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of its number, value added by mining, value of shipments and receipts, number of employees, and payroll.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the mining sector for 1997, there are 3 subsectors (three-digit NAICS), 5 industry groups (four-digit NAICS), and 10 NAICS industries (5-digit NAICS) that are comparable with Canadian and Mexican classification and 29 U.S. industries (six-digit

NAICS). This represents a slight reduction of the four-digit SIC-based U.S. industries from 31 in 1987. Within industries, there are 141 seven-digit product classes and 196 ten-digit products. The ten-digit products are considered the primary products of the industry with the same first six digits.

For the 1997 Economic Census – Mining, all establishments were classified in particular industries based on the products they produced. If an establishment made products of more than one industry, it was classified in the industry with the largest product value.

Establishments frequently make products classified both in their industry (primary products) and other industries (secondary products). Industry statistics (employment, payroll, value added by mining, value of shipments and receipts, etc.) reflect the activities of the establishments which may make both primary and secondary products. Product statistics, however, represent the output of all establishments without regard for the classification of the producing establishment. For this reason, when relating the industry statistics (especially the value of shipments and receipts) to the product statistics, the composition of the industry's output should be considered.

ESTABLISHMENT BASIS OF REPORTING

The 1997 Economic Census – Mining covers each mining establishment of firms with one or more paid employees operating in the United States. A company operating more than one establishment is required to file a separate report for each location. A mining establishment is defined as a single physical location where mineral operations are conducted. However, a company engaged in distinctly different lines of activity at one location is required to submit a separate report for each activity if the plant records permit such a separation and if the activities are substantial in size.

For oil and gas field operations and for contract services, the basis for reporting is different from the "establishment" basis used for other types of mining. Firms operating oil and gas wells, drilling wells, or exploring for oil and gas for their own account were required to submit a separate report for each state or offshore area adjacent to a state in which it conducted such activities. Firms that performed contract services for oil and gas field operations or for mining establishments were required to submit one report covering all such activities in the United States and to include information on receipts for services and production-worker wages and hours by state. These consolidated reports were then allocated to state establishments based on the data reported at the state level. The 1997 figures for establishments include the summation of operations for each state allocated from these nationwide reports.

In the 1997 Economic Census – Mining, as in censuses since 1967, data for single-unit firms without paid employees were excluded. This exclusion had only a slight

effect on industry aggregates for most industries. Data for firms without employees were included in the 1963, 1958, and 1954 censuses if they reported more than \$500 in (1) value of shipments and receipts, (2) cost of supplies and purchased machinery, or (3) capital expenditures.

The 1997 Economic Census – Mining excludes data for central administrative offices. Statistics for employment and payroll for individual industries and industry groups no longer include employment and payroll figures for administrative offices, warehouses, storage facilities, and other auxiliary establishments servicing mining establishments. These data are included in a separate report series.

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

The 1997 Economic Census – Mining shows value of shipments and receipts data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment. The value of products shipped also may include some products shipped from manufacturing establishments with mining operations.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan Areas

Not applicable for this report.

Appendix F.

Footnotes for Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type

NAICS supply or fuel code	Footnote
# 00973000	Represents cost for establishments that did not report detailed data, including establishments that were not mailed a form.
# 00974000	Represents cost for establishments that did not report detailed data, including establishments that were not mailed a form.

Product Summary

1997

Issued June 2001

EC97N21S-PS

1997 Economic Census

Mining

Subject Series



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1997 Economic Census

Mining

Subject Series



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-- Not applicable for this report.

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.

ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information

52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Foodservices
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

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.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

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.

Special Tabulations

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division 301-457-4673
Service Sector Statistics Division 301-457-2668

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/econgguide. 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.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

A	Standard error of 100 percent or more.
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue.
N	Not available or not comparable.
Q	Revenue not collected at this level of detail for multiestablishment firms.
S	Withheld because estimates did not meet publication standards.

V	Represents less than 50 vehicles or .05 percent.
X	Not applicable.
Y	Disclosure withheld because of insufficient coverage of merchandise lines.
Z	Less than half the unit shown.
a	0 to 19 employees.
b	20 to 99 employees.
c	100 to 249 employees.
e	250 to 499 employees.
f	500 to 999 employees.
g	1,000 to 2,499 employees.
h	2,500 to 4,999 employees.
i	5,000 to 9,999 employees.
j	10,000 to 24,999 employees.
k	25,000 to 49,999 employees.
l	50,000 to 99,999 employees.
m	100,000 employees or more.
p	10 to 19 percent estimated.
q	20 to 29 percent estimated.
r	Revised.
s	Sampling error exceeds 40 percent.
nec	Not elsewhere classified.
nsk	Not specified by kind.
–	Represents zero (page image/print only).
(CC)	Consolidated city.
(IC)	Independent city.

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Mining

SCOPE

The Mining sector of the 1997 Economic Census covers all mining establishments of companies with one or more paid employees. Mining is defined as the extraction of naturally occurring mineral solids, such as coal and ores; liquid minerals, such as petroleum; and gases, such as natural gas. The term mining is used in the broad sense to include quarrying, well operations, beneficiating (e.g., crushing, screening, washing, and floatation), and other preparations customarily performed at the mine site or as part of the mining activity.

The Mining sector distinguishes two basic activities: mine operation and mining support activities. Mine operation includes establishments operating mines, quarries, or oil and gas wells on their own account or for others on a contract or fee basis. Mining support activities include establishments that perform exploration (except geophysical surveying) and/or other mining services on a contract or fee basis.

Establishments in the Mining sector are classified by industry according to the natural resources mined or to be mined. Included are establishments that develop the mine site, extract the natural resources, and/or those that beneficiate (i.e., prepare) the mineral mined. The operations that take place in beneficiation are primarily mechanical, such as grinding, washing, magnetic separation, and centrifugal separation. The range of preparation activities varies by mineral and the purity of any given ore deposit.

Mining, beneficiation, and manufacturing activities often occur in a single location. Separate receipts are collected for these activities whenever possible. When receipts cannot be broken out between mining and manufacturing, establishments that mine or quarry nonmetallic minerals and beneficiate the nonmetallic minerals into more finished manufactured products are classified based on the primary activity of the establishment.

Hauling and other transportation beyond the mine property and contract hauling (except out of open pits in conjunction with mining) are excluded.

GENERAL

This report, from the 1997 Economic Census – Mining, is one of a series of 29 industry reports and 51 geographic area reports, each of which provides statistics for individual industries, states, or offshore areas. Also included for this sector are the General, Products, and Materials and Fuels Consumed Summary reports, and data files on Location of Mining Operations.

Each industry report presents data for a six-digit North American Industry Classification System (NAICS) industry. A description of the particular NAICS industry may be found in Appendix B. These reports include such statistics as number of establishments, employment, payroll, value added by mining, cost of supplies used, value of shipments and receipts, capital expenditures, etc., for each mining industry. Explanations of these and other terms may be found in Appendix A. The industry reports also include data for states with 100 employees or more.

State reports present similar statistics at the sector level for each state, the District of Columbia, and the offshore areas. The state of Delaware and the District of Columbia are combined in a single report. The state reports also include data for industries with 100 employees or more in the state.

The General Summary report contains industry and geographic area statistics summarized in one report. It includes higher levels of aggregation than the industry and state reports as well as revisions to the data made after the release of the industry and state reports.

The Products Summary and the Materials and Fuels Consumed Summary reports summarize the products, materials, and fuels data published in the industry series reports.

The Location of Mining Operations data files include statistics on the number of establishments by three- and six-digit NAICS industry by state and offshore area by employment size of the establishment.

GEOGRAPHIC AREAS COVERED

The state reports for the mining industries include data at the state level and some offshore areas. No substate data are available.

Data for offshore areas that are part of Alaska, California, Louisiana, and Texas are included in their respective state area reports and represent offshore operations on all these state offshore leases and all Federal offshore leases defined by their state plane coordinate systems. State offshore includes the areas extending from the coastline up to 3 geographical miles distance except for Texas and Florida which extend 3 marine leagues from the coastline in the Gulf of Mexico. Data for offshore areas not associated with a state are in an Offshore Areas geographic report which includes the following areas:

Atlantic Offshore

- Atlantic Federal Area
- New Hampshire state offshore
- Maine state offshore
- Massachusetts state offshore
- Connecticut state offshore
- New York state offshore
- New Jersey state offshore
- Delaware state offshore
- Maryland state offshore
- Virginia state offshore
- North Carolina state offshore
- South Carolina state offshore
- Georgia state offshore
- Florida state Atlantic offshore

Northern Gulf of Mexico Offshore

- Northern Gulf of Mexico Federal Areas defined by the Universal Transverse Mercator Coordinate System (including areas generally south of the state plane coordinate systems of Louisiana and Texas)
- Mississippi state offshore
- Alabama state offshore
- Florida state Gulf offshore

Pacific Offshore

- Pacific Federal areas defined by Universal Transverse Mercator Coordinate System
- Oregon state offshore
- Washington state offshore

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) has had only a minor effect on the comparability of data between the 1992 and 1997 censuses at the sector level. However, within the sector the number of major levels changed from four to three. In

addition, portions of industries left mining for the services sector. Prominent among items leaving mining are geophysical surveying and mapping services for metal mining, oil and gas, and nonmetallic minerals mining. If industries are not comparable between the two censuses, historic data are not shown.

Another change resulting from the conversion to NAICS is that data for central administrative offices (CAOs) associated with mining are no longer included in the mining data. This change affects all levels of data shown in the reports.

DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments classified in a specific industry or geography is not considered a disclosure and may be released even when other information is withheld.

The disclosure analysis for the industry statistics files is based on the total value of shipments and receipts. When the total value of shipments and receipts cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. If capital expenditures alone is a disclosure, only capital expenditures and cost of supplies statistics are suppressed. The suppressed data are included in higher-level totals.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The County Business Patterns program of the U.S. Census Bureau offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county and state.

Table 1. Products or Services Statistics: 1997 and 1992

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product or service code	Product or service	1997			1992		
		Quantity of production for all purposes	Product shipments or receipts for services		Quantity of production for all purposes	Product shipments or receipts for services	
			Quantity	Value (\$1,000)		Quantity	Value (\$1,000)
211111	Crude petroleum and natural gas	X	X	77 300 748	X	X	71 607 669
2111111	Crude petroleum, including lease condensate (volumes corrected to 60 degrees F) shipped	X	X	34 998 081	X	X	36 628 076
21111111	Crude petroleum, including lease condensate (volumes corrected to 60 degrees F) shipped	X	X	34 998 081	X	X	N
2111111111	Crude petroleum, including lease condensate (volumes corrected to 60 degrees F) shipped	X	1 990.7	34 998 081	X	2 510.3	36 628 076
2111111121	Crude petroleum shipped from stripper well leases	X	108.1	X	X	183.8	X
2111111131	Lease condensate produced (volumes corrected to 60 degrees F)	X	147.4	X	X	126.9	X
21111113	Natural gas	X	X	34 514 366	X	X	27 775 106
21111131	Natural gas	X	X	34 514 366	X	X	N
2111113100	Natural gas (volumes adjusted to pressure base of 14.73 lb absolute at 60 degrees F) shipped to consumers	X	14 606.2	34 514 366	X	16 005.1	27 775 106
211111W	Crude petroleum and natural gas, nsk	X	X	7 788 301	X	X	7 204 487
211111WY	Crude petroleum and natural gas, nsk	X	X	7 788 301	X	X	N
211111WYWT	Crude petroleum and natural gas, nsk #	X	X	7 788 301	X	X	7 204 487
211112	Natural gas liquids	X	X	25 147 053	X	X	27 401 025
2111121	Natural gas liquids	X	X	9 184 192	X	X	9 411 056
21111211	Isopentane and natural gasoline	X	X	1 244 221	X	X	N
2111121111	Isopentane and natural gasoline	68.6	68.5	1 244 221	89.9	90.1	1 580 341
21111212	Propane	X	X	2 458 416	X	X	N
2111121221	Propane	166.5	166.1	2 458 416	195.5	195.1	2 470 230
21111213	Butane	X	X	1 893 250	X	X	N
2111121331	Butane	101.4	101.2	1 893 250	144.4	144.4	2 157 337
21111214	Plant condensate, ethane, gas mixtures, and other natural gas liquids	X	X	3 588 305	X	X	N
2111121441	Plant condensate from natural gas liquids plants	14.4	14.6	259 687	10.7	10.7	177 395
2111121451	Ethane	198.9	198.7	1 738 885	193.6	192.1	1 662 572
2111121461	Gas mixtures from natural gas liquids plants	27.0	26.8	423 481	17.1	17.4	225 807
2111121491	Other natural gas liquids	87.1	86.9	1 166 252	98.9	98.5	1 137 374
2111123	Residue gas shipped from natural gas liquids plants	X	X	15 810 792	X	X	17 803 960
21111231	Residue gas shipped from natural gas liquids plants	X	X	15 810 792	X	X	N
2111123100	Residue gas shipped from natural gas liquids plants	X	6 595.1	15 810 792	X	10 339.6	17 803 960
211112W	Natural gas liquids, nsk	X	X	152 069	X	X	186 009
211112WY	Natural gas liquids, nsk	X	X	152 069	X	X	N
211112WYWT	Natural gas liquids, nsk #	X	X	152 069	X	X	186 009
212111	Bituminous coal and lignite from surface operations #	X	X	12 333 441	X	X	13 689 516
2121111	Run-of-mine (raw) bituminous coal and lignite shipped from surface mining operations	X	X	1 637 862	X	X	1 816 557
21211111	Run-of-mine (raw) bituminous coal and lignite shipped from surface mining operations, for use without processing	X	X	531 756	X	X	N
2121111111	Run-of-mine (raw) bituminous coal and lignite shipped from surface mining operations, for use without processing	X	25.0	531 756	X	34.9	644 532
21211112	Run-of-mine (raw) bituminous coal and lignite shipped from surface mining operations, for processing at other establishments #	X	X	1 106 106	X	X	N
2121111221	Run-of-mine (raw) bituminous coal and lignite shipped from surface mining operations, for processing at other establishments	X	67.9	1 106 106	X	67.2	1 172 025
2121113	Processed bituminous coal and lignite shipped from surface operations	X	X	10 222 212	X	X	10 831 794
21211131	Processed bituminous coal and lignite shipped from surface operations, washed by wet-washing, pneumatic, or other methods	X	X	4 811 211	X	X	N
2121113111	Processed bituminous coal and lignite shipped from surface operations, washed by wet-washing, pneumatic, or other methods	X	182.2	4 811 211	X	187.3	5 350 202
21211132	Processed bituminous coal shipped from surface operations (mechanically crushed, screened, or sized only)	X	X	2 675 786	X	X	N
2121113221	Processed bituminous coal shipped from surface operations (mechanically crushed, screened, or sized only)	X	114.2	2 675 786	X	102.9	2 601 346
21211133	Processed subbituminous coal shipped from surface operations (mechanically crushed, screened, or sized only)	X	X	1 888 198	X	X	N
2121113331	Processed subbituminous coal shipped from surface operations (mechanically crushed, screened, or sized only)	X	308.1	1 888 198	X	232.9	2 083 221
21211134	Processed lignite coal shipped from surface operations (mechanically crushed, screened, or sized only)	X	X	847 017	X	X	N
2121113441	Processed lignite coal shipped from surface operations (mechanically crushed, screened, or sized only)	X	80.9	847 017	X	73.7	797 025
212111W	Bituminous coal and lignite surface mining, nsk	X	X	473 367	X	X	1 041 165
212111WY	Bituminous coal and lignite surface mining, nsk	X	X	473 367	X	X	N
212111WYWT	Bituminous coal and lignite surface mining, nsk #	X	X	473 367	X	X	1 041 165

Table 1. Products or Services Statistics: 1997 and 1992—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product or service code	Product or service	1997			1992		
		Quantity of production for all purposes	Product shipments or receipts for services		Quantity of production for all purposes	Product shipments or receipts for services	
			Quantity	Value (\$1,000)		Quantity	Value (\$1,000)
212112	Bituminous coal from underground operations #	X	X	10 710 228	X	X	12 451 786
2121121	Run-of-mine (raw) bituminous coal shipped from underground mining operations.....	X	X	2 196 694	X	X	3 049 268
21211211	Run-of-mine (raw) bituminous coal shipped from underground mining operations, for use without processing	X	X	159 886	X	X	N
212112111	Run-of-mine (raw) bituminous coal shipped from underground mining operations, for use without processing	X	7.8	159 886	X	14.9	318 540
21211212	Run-of-mine (raw) bituminous coal shipped from underground mining operations, for processing at other establishments #	X	X	2 036 808	X	X	N
2121121221	Run-of-mine (raw) bituminous coal shipped from underground mining operations, for processing at other establishments	X	137.8	2 036 808	X	185.0	2 730 728
2121123	Processed bituminous coal shipped from underground mining operations.....	X	X	8 168 621	X	X	8 890 809
21211231	Processed bituminous coal shipped from underground mining operations, washed by wet-washing, pneumatic, or other methods	X	X	7 296 445	X	X	N
2121123111	Processed bituminous coal shipped from underground mining operations, washed by wet-washing, pneumatic, or other methods	X	261.4	7 296 445	X	262.0	7 892 690
21211232	Processed bituminous coal shipped from underground mining operations (mechanically crushed, screened, or sized only)	X	X	872 176	X	X	N
2121123221	Processed bituminous coal shipped from underground mining operations (mechanically crushed, screened, or sized only)	X	46.3	872 176	X	45.1	998 119
212112W	Bituminous coal underground mining, nsk	X	X	344 913	X	X	511 709
212112WY	Bituminous coal underground mining, nsk	X	X	344 913	X	X	N
212112WYWT	Bituminous coal underground mining, nsk #	X	X	344 913	X	X	511 709
212113	Anthracite #	X	X	174 302	X	X	150 941
2121131	Run-of-mine (raw) anthracite	X	X	49 632	X	X	20 327
21211311	Run-of-mine (raw) anthracite shipped	X	X	49 632	X	X	N
2121131111	Run-of-mine (raw) anthracite shipped for use without processing	X	442.1	7 421	X	-	-
2121131121	Run-of-mine (raw) anthracite shipped for processing at other establishments #	X	2 198.3	42 211	X	826.4	20 327
2121133	Processed anthracite	X	X	112 487	X	X	117 126
21211331	Processed anthracite shipped	X	X	112 487	X	X	N
2121133111	Processed anthracite, washed by wet-washing, pneumatic, or other methods	X	1 514.6	95 823	X	1 733.1	111 010
2121133121	Processed anthracite (mechanically crushed, screened, or sized only)	X	507.8	16 664	X	157.3	6 116
212113W	Anthracite mining, nsk	X	X	12 183	X	X	13 488
212113WY	Anthracite mining, nsk	X	X	12 183	X	X	N
212113WYWT	Anthracite mining, nsk #	X	X	12 183	X	X	13 488
212210	Iron ore #	X	X	1 915 930	X	X	1 715 217
2122101	Crude iron ore	X	X	D	X	X	D
21221011	Crude iron ore	X	X	D	X	X	N
2122101111	Direct-shipping crude iron ore #	2.6	2.4	20 258	.7	.6	4 677
2122101121	Crude iron ore for treatment, concentration, etc.	209.2	D	D	183.2	D	D
2122103	Iron ore concentrates and agglomerates	X	X	1 838 537	X	X	1 686 351
21221031	Iron ore concentrates and agglomerates	X	X	1 838 537	X	X	N
2122103111	Iron ore concentrates (including washed material) for consumption .....	.4	.4	17 768	.6	.6	28 492
2122103121	Iron ore concentrates (including washed material) for agglomeration plants not at blast furnaces	61.7	-	-	56.9	-	-
2122103131	Iron agglomerates (pellets, sinter, briquets, and other)	61.0	60.4	1 820 769	54.6	55.8	1 657 859
212210W	Iron ores, nsk	X	X	D	X	X	D
212210WY	Iron ores, nsk	X	X	D	X	X	N
212210WYWT	Iron ores, nsk #	X	X	D	X	X	D
212221	Gold ore	X	X	3 932 918	X	X	3 418 006
2122211	Crude lode gold ores	X	X	D	X	X	D
21222111	Crude lode gold ores	X	X	D	X	X	N
2122211111	Crude lode gold ores mined	275 506.6	X	X	339 470.2	X	X
2122211121	Crude lode gold ores and residues shipped to smelters	X	-	-	X	D	D
2122211131	Crude lode gold ores and residues shipped to mills	X	D	D	X	D	D
2122213	Gold concentrates	X	X	164 483	X	X	78 988
21222131	Gold concentrates	X	X	164 483	X	X	N
2122213100	Gold concentrates	190.3	204.3	164 483	61.2	61.2	78 988
2122215	Gold mill bullion and placer gold	X	X	3 631 651	X	X	3 277 314
21222151	Gold mill bullion and placer gold	X	X	3 631 651	X	X	N
2122215111	Gold mill bullion, dore, and precipitates	X	X	3 607 770	X	X	3 222 395
2122215121	Placer gold	2 333.3	2 322.7	23 881	5 048.4	5 014.1	54 919
212221W	Gold ores, nsk	X	X	D	X	X	D
212221WY	Gold ores, nsk	X	X	D	X	X	N
212221WYWT	Gold ores, nsk #	X	X	D	X	X	D

Table 1. Products or Services Statistics: 1997 and 1992—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product or service code	Product or service	1997			1992		
		Quantity of production for all purposes	Product shipments or receipts for services		Quantity of production for all purposes	Product shipments or receipts for services	
			Quantity	Value (\$1,000)		Quantity	Value (\$1,000)
212222	Silver ore	X	X	130 309	X	X	110 368
2122221	Crude silver ores	X	X	—	X	X	D
21222211	Crude silver ores	X	X	—	X	X	N
2122221111	Crude silver ores mined	1,000 metric tons..	X	X	D	X	X
2122221121	Crude silver ores and residues shipped to smelters	1,000 metric tons..	X	—	X	D	D
2122221131	Crude silver ores and residues shipped to mills	1,000 metric tons..	X	—	X	D	D
2122223	Silver concentrates	X	X	D	X	X	D
21222231	Silver concentrates	X	X	D	X	X	N
2122223100	Silver concentrates	1,000 metric tons..	D	D	D	D	D
2122225	Silver mill bullion and placer silver	X	X	D	X	X	D
21222251	Silver mill bullion and placer silver	X	X	D	X	X	N
2122225111	Silver mill bullion, dore, and precipitates	X	X	D	X	X	D
2122225121	Placer silver	kilograms..	D	D	D	D	D
212222W	Silver ores, nsk	X	X	2 666	X	X	2 886
212222WY	Silver ores, nsk	X	X	2 666	X	X	N
212222WYWT	Silver ores, nsk #	X	X	2 666	X	X	2 886
212231	Lead and zinc ores	X	X	528 153	X	X	496 635
2122311	Crude lead and zinc ores	X	X	47 636	X	X	D
21223111	Crude lead and zinc ores	X	X	47 636	X	X	N
2122311111	Crude lead and zinc ores mined	mil metric tons..	13.1	X	13.5	X	X
2122311121	Crude lead and zinc ores and residues shipped to smelters	mil metric tons..	X	D	X	—	—
2122311131	Crude lead and zinc ores and residues shipped to mills	mil metric tons..	X	D	X	D	D
2122313	Lead and zinc concentrates	X	X	478 187	X	X	D
21223131	Lead and zinc concentrates	X	X	478 187	X	X	N
2122313111	Lead concentrates .....	.6	.6	144 725	D	D	D
2122313121	Zinc concentrates .....	.9	.9	333 462	1.0	.9	360 928
212231W	Lead and zinc ores, nsk	X	X	2 330	X	X	1 353
212231WY	Lead and zinc ores, nsk	X	X	2 330	X	X	N
212231WYWT	Lead and zinc ores, nsk #	X	X	2 330	X	X	1 353
212234	Copper and nickel ores	X	X	3 860 608	X	X	N
2122341	Crude copper-bearing ores	X	X	248 898	X	X	204 008
21223411	Crude copper-bearing ores	X	X	248 898	X	X	N
2122341111	Crude copper ores mined #	mil metric tons..	744.9	X	597.5	X	X
2122341121	Crude copper ores and residues shipped to smelters	mil metric tons..	X	D	X	—	—
2122341131	Crude copper ores and residues shipped to mills	mil metric tons..	X	D	X	74.8	204 008
2122343	Copper concentrates	X	X	2 340 840	X	X	1 982 248
21223431	Copper concentrates	X	X	2 340 840	X	X	N
2122343100	Copper concentrates	mil metric tons..	4.2	4.2	2 340 840	3.6	3.5
2122345	Copper precipitates and electrowon copper recovered from leaching operations	X	X	1 262 842	X	X	1 093 062
21223451	Copper precipitates and electrowon copper recovered from leaching operations	X	X	1 262 842	X	X	N
2122345111	Copper precipitates	1,000 metric tons..	24.4	21.6	25 224	36.4	35.6
2122345121	Electrowon copper recovered from leaching operations	1,000 metric tons..	581.9	579.7	1 237 618	444.5	464.5
212234W	Copper ores, nsk, and nickel ores and concentrates	X	X	8 028	X	X	N
212234WY	Copper ores, nsk, and nickel ores and concentrates	X	X	8 028	X	X	N
212234WYWT	Copper ores, nsk, and nickel ores and concentrates #	X	X	8 028	X	X	N
212291	Uranium-radium-vanadium ores	X	X	85 561	X	X	86 187
2122911	Crude uranium-vanadium ores	X	X	D	X	X	—
21229111	Crude uranium-vanadium ores	X	X	D	X	X	N
2122911100	Crude uranium-vanadium ores	1,000 metric tons..	D	D	D	—	—
2122913	Uranium-vanadium concentrates	X	X	73 870	X	X	45 361
21229131	Uranium-vanadium concentrates	X	X	73 870	X	X	N
2122913111	Uranium concentrates #	1,000 metric tons..	D	D	D	N	N
2122913121	Vanadium concentrates	1,000 metric tons..	D	D	D	D	D
212291W	Uranium-radium-vanadium ores, nsk	X	X	D	X	X	40 826
212291WY	Uranium-radium-vanadium ores, nsk	X	X	D	X	X	N
212291WYWT	Uranium-radium-vanadium ores, nsk #	X	X	D	X	X	40 826

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			Quantity	Value (\$1,000)		Quantity	Value (\$1,000)
212299	All other metal ores	X	X	717 489	X	X	N
2122991	Bauxite	X	X	D	X	X	12 099
21229911	Bauxite	X	X	D	X	X	N
2122991100	Bauxite mil metric tons (dry basis) ..	D	D	D	N	N	N
2122993	Ferroalloy ores, except vanadium	X	X	D	X	X	N
21229931	Ferroalloy ores, except vanadium	X	X	D	X	X	N
212299311	Crude ferroalloy ores, such as manganese and manganiferous ores, chromium, molybdenum, tungsten, etc. (except vanadium and nickel)	18 547.7	D	D	N	N	N
2122993121	Molybdenum concentrates 1,000 metric tons cont. moly ..	50.0	52.6	421 340	50.2	50.1	208 753
2122995	Miscellaneous metal ores and concentrates, such as antimony, beryllium, mercury, rare-earth metals, tin, and titanium	X	X	267 569	X	X	142 706
21229951	Miscellaneous metal ores and concentrates, such as antimony, beryllium, mercury, rare-earth metals, tin, and titanium	X	X	267 569	X	X	N
2122995100	Miscellaneous metal ores and concentrates, such as antimony, beryllium, mercury, rare-earth metals, tin, and titanium #	S	S	267 569	N	N	N
212299W	Other metal ores, nsk	X	X	11 386	X	X	N
212299WY	Other metal ores, nsk	X	X	11 386	X	X	N
212299WYWT	Other metal ores, nsk #	X	X	11 386	X	X	N
212311	Dimension stone	X	X	137 388	X	X	107 423
2123110	Dimension stone	X	X	137 388	X	X	107 423
21231101	Rough dimension limestone	X	X	32 280	X	X	N
2123110111	Rough dimension limestone 1,000 s tons ..	390.9	383.8	32 280	X	267.3	20 224
21231102	Rough dimension granite	X	X	56 567	X	X	N
2123110221	Rough dimension granite 1,000 s tons ..	342.4	330.5	56 567	X	439.9	51 948
21231103	Other rough dimension stone (slate, marble, trap rock, sandstone, and miscellaneous stone)	X	X	30 837	X	X	N
2123110391	Other rough dimension stone (slate, marble, trap rock, sandstone, and miscellaneous stone)	319.7	316.6	30 837	X	114.9	13 230
2123110Y	Dimension stone, nsk	X	X	17 704	X	X	N
2123110YWT	Dimension stone, nsk #	X	X	17 704	X	X	22 021
212312	Limestone	X	X	4 461 110	X	X	3 099 070
2123120	Crushed and broken limestone	X	X	4 461 110	X	X	3 099 070
21231201	Crushed and broken limestone	X	X	4 461 110	X	X	N
2123120100	Crushed and broken limestone mil s tons ..	954.9	931.8	4 461 110	696.9	668.5	3 099 070
212313	Granite	X	X	1 522 411	X	X	900 918
2123130	Crushed and broken granite	X	X	1 522 411	X	X	900 918
21231301	Crushed and broken granite	X	X	1 522 411	X	X	N
2123130100	Crushed and broken granite mil s tons ..	255.8	246.5	1 522 411	175.6	172.3	900 918
212319	Other stone	X	X	1 307 851	X	X	N
2123190	Bituminous limestone, bituminous sandstone, and other crushed and broken stone	X	X	1 307 851	X	X	N
21231901	Bituminous limestone, bituminous sandstone, and other crushed and broken stone	X	X	1 307 851	X	X	N
2123190111	Bituminous limestone and bituminous sandstone 1,000 metric tons ..	2 954.1	2 904.4	18 108	N	N	N
2123190121	Other crushed and broken stone mil s tons ..	228.7	214.8	1 289 743	161.8	159.6	950 806
2123190Y	Bituminous limestone, bituminous sandstone, and other crushed and broken stone, nsk	X	X	—	X	X	N
2123190YWT	Bituminous limestone, bituminous sandstone, and other crushed and broken stone, nsk #	X	X	—	X	X	N
212321	Construction sand and gravel	X	X	3 754 899	X	X	2 998 264
2123211	Construction sand and gravel (run of pit or bank)	X	X	350 879	X	X	229 642
21232111	Construction sand and gravel (run of pit or bank)	X	X	350 879	X	X	N
2123211111	Construction sand (run of pit or bank) mil s tons ..	51.3	48.1	170 767	45.7	44.4	115 280
2123211121	Construction gravel (run of pit or bank) mil s tons ..	53.5	48.1	180 112	40.4	39.5	114 362
2123213	Construction sand and gravel (washed, screened, or otherwise treated)	X	X	1 962 079	X	X	1 650 664
21232131	Construction sand (washed, screened, or otherwise treated)	X	X	939 537	X	X	N
2123213111	Construction sand (washed, screened, or otherwise treated) mil s tons ..	226.3	216.6	939 537	198.6	194.5	755 233
21232132	Construction gravel (washed, screened, or otherwise treated)	X	X	1 022 542	X	X	N
2123213221	Construction gravel (washed, screened, or otherwise treated) mil s tons ..	203.8	196.0	1 022 542	212.3	204.4	895 431
212321W	Construction sand and gravel, nsk #	X	X	1 441 941	X	X	1 117 958
212321WY	Construction sand and gravel, nsk	X	X	1 441 941	X	X	N
212321WYWT	Construction sand and gravel, nsk #	X	X	1 441 941	X	X	1 117 958

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		Quantity of production for all purposes	Product shipments or receipts for services		Quantity of production for all purposes	Product shipments or receipts for services	
			Quantity	Value (\$1,000)		Quantity	Value (\$1,000)
212322	Industrial sand	X	X	501 773	X	X	413 888
2123221	Industrial glass sand	X	X	218 913	X	X	177 949
21232211	Industrial glass sand	X	X	218 913	X	X	N
2123221100	Industrial glass sand	13.6	13.4	218 913	13.4	13.4	177 949
2123223	Industrial molding sand	X	X	83 099	X	X	68 951
21232231	Industrial molding sand	X	X	83 099	X	X	N
2123223100	Industrial molding sand	6.3	6.2	83 099	5.1	5.1	68 951
2123229	Other industrial sand	X	X	175 288	X	X	138 853
21232291	Other industrial sand	X	X	175 288	X	X	N
2123229100	Other industrial sand	7.4	7.2	175 288	6.9	6.8	138 853
212322W	Industrial sand, nsk	X	X	24 473	X	X	28 135
212322WY	Industrial sand, nsk	X	X	24 473	X	X	N
212322WYWT	Industrial sand, nsk #	X	X	24 473	X	X	28 135
212324	Kaolin and ball clay	X	X	893 021	X	X	749 891
2123240	Kaolin and ball clay	X	X	893 021	X	X	N
21232401	Kaolin and ball clay	X	X	893 021	X	X	N
2123240111	Kaolin	X	9 817.1	841 313	X	N	N
2123240121	Ball clay	X	1 093.2	51 708	X	N	N
2123240YWT	Kaolin and ball clay, nsk #	X	X	—	X	X	—
212325	Clay, ceramic and refractory minerals	X	X	612 199	X	X	611 068
2123251	Bentonite	X	X	180 462	X	X	142 490
21232511	Bentonite	X	X	180 462	X	X	N
2123251100	Bentonite	X	4 106.6	180 462	X	3 364.7	142 490
2123253	Fire clay	X	X	2 806	X	X	5 896
21232531	Fire clay	X	X	2 806	X	X	N
2123253100	Fire clay #	X	318.7	2 806	X	X	N
2123255	Fuller's earth	X	X	225 660	X	X	180 477
21232551	Fuller's earth	X	X	225 660	X	X	N
2123255100	Fuller's earth	X	1 553.5	225 660	X	1 915.4	180 477
2123257	Feldspar (crude, crushed, or ground)	X	X	37 341	X	X	96 746
21232571	Feldspar (crude, crushed, or ground)	X	X	37 341	X	X	N
2123257100	Feldspar (crude, crushed, or ground)	X	644.3	37 341	X	2 128.1	96 746
2123258	Common (miscellaneous) clay and shale	X	X	91 958	X	X	87 257
21232581	Common (miscellaneous) clay and shale	X	X	91 958	X	X	N
2123258111	Crude common (miscellaneous) clay and shale	X	724.8	5 084	X	1 419.2	7 467
2123258121	Prepared common (miscellaneous) clay and shale	X	3 750.1	86 874	X	4 310.3	79 790
2123259	Other clay, ceramic, and refractory minerals including magnesite and brucite	X	X	61 370	X	X	84 387
21232591	Other clay, ceramic, and refractory minerals including magnesite and brucite	X	X	61 370	X	X	N
2123259100	Other clay, ceramic, and refractory minerals including magnesite and brucite	X	1 085.5	61 370	X	1 488.9	84 387
212325W	Other clay, ceramic, and refractory minerals, nsk	X	X	12 602	X	X	13 815
212325WY	Other clay, ceramic, and refractory minerals, nsk	X	X	12 602	X	X	N
212325WYWT	Other clay, ceramic, and refractory minerals, nsk #	X	X	12 602	X	X	13 815
212391	Potash, soda, and borate	X	X	1 689 575	X	X	1 505 528
2123911	Potassium salts and boron compounds	X	X	725 032	X	X	N
21239111	Potassium salts and boron compounds	X	X	725 032	X	X	N
2123911100	Potassium salts and boron compounds	4 424.6	4 320.4	725 032	N	N	N
2123913	Sodium carbonate and sulfate	X	X	964 543	X	X	860 467
21239131	Sodium carbonate and sulfate	X	X	964 543	X	X	N
2123913111	Sodium carbonate (natural)	X	D	D	X	9 455.2	832 903
2123913121	Sodium sulfate (natural)	X	D	D	X	341.1	27 564
212391W	Potash, soda, and borate minerals, nsk	X	X	—	X	X	4 349
212391WYWT	Potash, soda, and borate minerals, nsk #	X	X	—	X	X	4 349

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212392	Phosphate rock #	X	X	1 006 370	X	X	1 193 904
2123921	Crude phosphate rock (ore or matrix)	X	X	55 888	X	X	15 014
21239211	Crude phosphate rock (ore or matrix)	X	X	55 888	X	X	N
2123921100	Crude phosphate rock (ore or matrix) mil metric tons (dry basis) ..	162.3	4.3	55 888	N	N	N
2123923	Prepared phosphate rock	X	X	950 482	X	X	1 178 158
21239231	Prepared phosphate rock	X	X	950 482	X	X	N
2123923111	Washed and concentrated phosphate rock shipments mil metric tons (dry basis) ..	D	D	D	N	N	N
2123923131	Dried, calcined, sintered, or nodulized phosphate rock mil metric tons (dry basis) ..	D	D	D	13.1	13.5	383 835
212392W	Phosphate rock, nsk	X	X	—	X	X	732
212392WYWT	Phosphate rock, nsk #	X	X	—	X	X	732
212393	Other chemical and fertilizer minerals	X	X	353 568	X	X	410 875
2123931	Barite	X	X	D	X	X	12 969
21239311	Barite	X	X	D	X	X	N
2123931100	Barite 1,000 metric tons ..	D	D	D	157.4	143.4	12 969
2123933	Rock salt	X	X	220 846	X	X	198 488
21239331	Rock salt	X	X	220 846	X	X	N
2123933100	Rock salt # 1,000 s tons ..	X	12 585.2	220 846	X	11 852.0	198 488
2123935	Native sulfur	X	X	D	X	X	146 980
21239351	Native sulfur	X	X	D	X	X	N
2123935100	Native sulfur 1,000 metric tons ..	D	D	D	2 446.6	2 464.1	146 980
2123939	Other chemical and fertilizer minerals	X	X	D	X	X	39 057
21239391	Other chemical and fertilizer minerals	X	X	D	X	X	N
2123939100	Other chemical and fertilizer minerals #	X	X	D	X	X	39 057
212393W	Chemical and fertilizer mining, nsk	X	X	D	X	X	13 381
212393WY	Chemical and fertilizer mining, nsk	X	X	D	X	X	N
212393WYWT	Chemical and fertilizer mining, nsk #	X	X	D	X	X	13 381
212399	All other nonmetallic minerals	X	X	637 868	X	X	N
2123991	Diatomite, crude and prepared	X	X	128 891	X	X	139 317
21239911	Diatomite, crude and prepared	X	X	128 891	X	X	N
2123991100	Diatomite, crude and prepared 1,000 metric tons ..	768.3	687.4	128 891	609.9	568.0	139 317
2123993	Gypsum #	X	X	66 131	X	X	N
21239931	Gypsum	X	X	66 131	X	X	N
2123993100	Gypsum # mil s tons ..	18.1	7.0	66 131	N	N	N
2123995	Talc, soapstone, and pyrophyllite	X	X	95 630	X	X	N
21239951	Talc, soapstone, and pyrophyllite	X	X	95 630	X	X	N
2123995100	Talc, soapstone, and pyrophyllite # 1,000 metric tons ..	1 169.5	1 084.1	95 630	N	N	N
2123999	Other nonmetallic minerals	X	X	302 103	X	X	N
21239991	Other nonmetallic minerals	X	X	302 103	X	X	N
2123999111	Mica 1,000 metric tons ..	111.6	108.1	9 374	132.8	132.9	21 310
2123999121	Native asphalt and bitumens (except bituminous limestone and bituminous sandstone) # 1,000 metric tons ..	448.4	448.5	19 044	N	N	N
2123999131	Pumice and pumicite # 1,000 metric tons ..	662.2	687.1	20 314	1 036.6	934.6	26 036
2123999141	Natural abrasives, except sand 1,000 metric tons ..	55.1	56.2	21 987	70.3	68.0	18 684
2123999151	Peat 1,000 s tons ..	459.1	402.8	12 850	532.4	511.5	15 777
2123999161	Perlite 1,000 s tons ..	840.5	811.7	34 844	755.5	637.7	22 184
2123999171	Shell, crushed or broken # 1,000 s tons ..	1 943.0	1 870.4	10 840	5 480.0	5 041.5	29 925
2123999191	All other nonmetallic minerals #	X	X	172 850	X	X	N
212399W	Miscellaneous nonmetallic minerals, nsk	X	X	45 113	X	X	N
212399WY	Miscellaneous nonmetallic minerals, nsk	X	X	45 113	X	X	N
212399WYWT	Miscellaneous nonmetallic minerals, nsk #	X	X	45 113	X	X	N
213111	Drilling oil and gas wells	X	X	7 340 122	X	X	3 669 278
2131110	Drilling oil and gas wells	X	X	7 340 122	X	X	3 669 278
21311101	Drilling oil, gas, dry, or service wells	X	X	5 742 005	X	X	N
2131110111	Drilling oil, gas, dry, or service wells mil ft. ..	X	S	5 742 005	X	150.9	2 229 111
21311102	Drilling in, spudding in, tailing in, or reworking oil and gas wells	X	X	799 043	X	X	N
2131110221	Drilling in, spudding in, or tailing in oil and gas wells mil ft. ..	X	4.9	56 993	X	5.8	79 227
2131110231	Reworking oil and gas wells	X	X	742 050	X	X	670 461
21311103	Oil and gas well directional drilling control	X	X	373 180	X	X	N
2131110341	Oil and gas well directional drilling control	X	X	373 180	X	X	128 669
2131110Y	Drilling oil and gas wells, nsk	X	X	425 894	X	X	N
2131110YWT	Drilling oil and gas wells, nsk #	X	X	425 894	X	X	561 810

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213112	Support activities for oil and gas field operations	X	X	10 892 428	X	X	N
2131121	Oil and gas field exploration services	X	X	391 818	X	X	N
21311211	Oil and gas field exploration services	X	X	391 818	X	X	N
213112111	Oil and gas field geophysical exploration work, except mapping and surveying services	X	X	387 831	X	X	N
2131121191	Other oil and gas field exploration services	X	X	3 987	X	X	57 733
2131122	Other oil and gas field support activities	X	X	7 844 945	X	X	N
21311221	Cementing oil and gas wells	X	X	834 182	X	X	N
2131122111	Cementing oil and gas wells	X	X	834 182	X	X	472 276
21311222	Oil and gas well surveying and well logging	X	X	1 224 035	X	X	N
2131122215	Oil and gas well surveying and well logging	X	X	1 224 035	X	X	545 233
21311223	Hydraulic fracturing of oil and gas wells	X	X	1 121 036	X	X	N
2131122321	Hydraulic fracturing of oil and gas wells	X	S	1 121 036	X	71.2	1 027 194
21311224	Running, cutting, and pulling casings, tubes, or rods for oil and gas wells	X	X	222 579	X	X	N
2131122431	Running, cutting, and pulling casings, tubes, or rods for oil and gas wells	X	X	222 579	X	X	333 773
21311225	Other oil and gas field services	X	X	4 443 113	X	X	N
2131122541	Acidizing and other chemical treatment of oil and gas wells, excluding hydraulic fracturing	X	77.5	272 772	X	71.3	246 530
2131122551	Perforating oil and gas well casings	X	X	121 230	X	X	99 410
2131122561	Installing oil and gas field production equipment, such as wellhead fittings, pumps, and engines	X	X	113 352	X	X	165 155
2131122571	Cleaning out, bailing out, or swabbing oil and gas wells	X	X	211 369	X	X	131 190
2131122581	Pumping oil and gas wells but not operating leases	X	X	134 402	X	X	105 661
2131122591	All other oil and gas field services	X	X	3 589 988	X	X	2 129 614
213112W	Oil and gas field operations, nsk	X	X	2 655 665	X	X	N
213112WY	Oil and gas field operations, nsk	X	X	2 655 665	X	X	N
213112WYWT	Oil and gas field operations, nsk #	X	X	2 655 665	X	X	N
213113	Support activities for coal mining	X	X	585 651	X	X	536 507
2131130	Coal mining services	X	X	585 651	X	X	536 507
21311301	Strip mining coal not for own account	X	X	67 393	X	X	N
2131130111	Strip mining coal not for own account	X	12 432.4	67 393	X	12 303.3	95 839
21311302	Other coal mining services	X	X	376 868	X	X	N
2131130221	Coal mining overburden stripping services	X	X	81 273	X	X	52 916
2131130231	Coal mining prospect and test drilling services	X	X	16 767	X	X	17 050
2131130241	Coal mine drilling services, other than prospect and test drilling, including blasting	X	X	36 304	X	X	25 178
2131130251	Recovering culm bank material and auger mining coal not for own account	X	1 043.3	8 674	X	753.7	6 657
2131130261	Sinking coal mine shafts and driving coal mine tunnels services	X	X	34 637	X	X	38 499
2131130291	Other coal mining services, nec	X	X	199 213	X	X	101 487
2131130Y	Coal mining services, nsk	X	X	141 390	X	X	N
2131130YWT	Coal mining services, nsk #	X	X	141 390	X	X	198 881
213114	Support activities for metal mining	X	X	332 755	X	X	N
2131140	Metal mining services	X	X	332 755	X	X	N
21311401	Metal mining exploration work, except prospect and test drilling and geophysical surveying services	X	X	31 983	X	X	N
2131140111	Metal mining exploration work, except prospect and test drilling and geophysical surveying services	X	X	31 983	X	X	N
21311402	Open-pit metal mining ores not for own account	X	X	54 382	X	X	N
2131140221	Open-pit metal mining ores not for own account	X	X	54 382	X	X	114 488
21311403	Other metal mining services	X	X	192 254	X	X	N
2131140331	Metal mining prospect services and test drilling services	X	X	148 451	X	X	60 440
2131140341	Sinking metal mine shafts and driving metal mine tunnels services	X	X	35 975	X	X	10 755
2131140391	Other metal mining services, nec	X	X	7 828	X	X	8 905
2131140Y	Metal mining services, nsk	X	X	54 136	X	X	N
2131140YWT	Metal mining services, nsk #	X	X	54 136	X	X	N
213115	Support activities for nonmetallic minerals (except fuels)	X	X	230 175	X	X	N
2131150	Nonmetallic minerals services (except fuels)	X	X	230 175	X	X	N
21311501	Open-pit or quarry mining nonmetallic minerals not for own account	X	X	50 379	X	X	N
2131150111	Open-pit or quarry mining nonmetallic minerals not for own account	X	X	50 379	X	X	46 712
21311502	Other nonmetallic minerals services (except fuels)	X	X	98 369	X	X	N
2131150221	Nonmetallic mineral overburden stripping services	X	X	17 874	X	X	19 374
2131150231	Nonmetallic mineral prospect and test drilling services	X	X	20 280	X	X	7 725
2131150241	Nonmetallic mineral drilling services, other than prospect and test drilling, including blasting	X	X	43 450	X	X	17 895
2131150291	Other nonmetallic minerals services (except fuels), nec	X	X	16 765	X	X	N
2131150Y	Nonmetallic minerals services (except fuels), nsk #	X	X	81 427	X	X	N
2131150YWT	Nonmetallic minerals services (except fuels), nsk #	X	X	81 427	X	X	N

Additional information is available for this item; see Appendix F.

Table 2. Product Class Shipments or Receipts for Services for Selected States and Offshore Areas: 1997 and 1992

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2 of the Industry Series reports. Also, product classes are not shown if they are miscellaneous or not specified by kind classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1997. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product or service class code	Product or service class and geographic area	Value of product shipments or receipts for services		NAICS product or service class code	Product or service class and geographic area	Value of product shipments or receipts for services									
		1997 (\$1,000)	1992 (\$1,000)			1997 (\$1,000)	1992 (\$1,000)								
2111111	CRUDE PETROLEUM, INCLUDING LEASE CONDENSATE (VOLUMES CORRECTED TO 60 DEGREES F) SHIPPED			2121113	PROCESSED BITUMINOUS COAL AND LIGNITE SHIPPED FROM SURFACE OPERATIONS—Con.										
	United States	34 998 081	36 628 076			Tennessee	58 573	33 895							
	California	5 890 923	3 591 444			Texas	582 300	530 407							
	Colorado	484 024	662 541			Virginia	522 965	786 581							
	Kansas	438 882	822 783			West Virginia	1 802 093	1 578 168							
	Louisiana	5 791 859	5 523 213		2121121	Wyoming	1 672 771	1 467 503							
	Michigan	151 523	245 367			RUN-OF-MINE (RAW) BITUMINOUS COAL SHIPPED FROM UNDERGROUND MINING OPERATIONS									
	Mississippi	151 970	313 081			United States	2 196 694	3 049 268							
	Montana	147 581	259 297			Kentucky	702 586	878 304							
	Nebraska	23 509	52 414			Pennsylvania	377 289	418 440							
	New Mexico	994 166	956 274			Utah	19 598	N							
	North Dakota	367 638	407 163			Virginia	316 423	541 038							
	Ohio	96 450	99 172			West Virginia	548 100	875 858							
	Oklahoma	1 020 258	1 651 767			2121123	PROCESSED BITUMINOUS COAL SHIPPED FROM UNDERGROUND MINING OPERATIONS								
	Texas	7 955 373	10 325 242				United States	8 168 621	8 890 809						
Utah	323 203	444 774	Alabama	694 021			570 106								
Wyoming	932 778	1 298 951	Colorado	217 983			214 246								
Offshore areas not associated with a state	1 267 341	1 057 616	Illinois	567 590			969 603								
2111113	NATURAL GAS			Indiana			145 337	64 847							
	United States	34 514 366	27 775 106	Kentucky			1 530 231	1 613 823							
	California	842 641	546 299	Ohio	420 571		353 939								
	Colorado	836 993	508 644	Pennsylvania	880 533		1 020 606								
	Kansas	1 195 788	886 483	Utah	566 812		418 759								
	Louisiana	9 402 251	6 782 771	Virginia	583 861		718 535								
	Michigan	355 622	604 711	West Virginia	2 419 384		2 811 609								
	Mississippi	91 725	95 011	2121131	RUN-OF-MINE (RAW) ANTHRACITE										
	Montana	61 683	48 679		United States		49 632	20 327							
	New Mexico	2 264 113	1 395 599		Pennsylvania		49 632	20 327							
	North Dakota	196 491	218 119		2121133	PROCESSED ANTHRACITE									
	Ohio	322 598	223 160			United States	112 487	117 126							
	Oklahoma	2 225 956	2 533 631			Pennsylvania	112 487	117 126							
	Texas	11 362 711	8 790 611			2122101	CRUDE IRON ORE								
	Utah	274 110	149 979				United States	D	D						
Wyoming	1 677 611	2 225 205	2122103				IRON ORE CONCENTRATES AND AGGLOMERATES								
Offshore areas not associated with a state	1 984 834	1 045 920					United States	1 838 537	1 686 351						
2111121	NATURAL GAS LIQUIDS							2122211	CRUDE LOOSE GOLD ORES						
	United States	9 184 192					9 411 056		United States	D	D				
	California	172 066					106 905		2122213	GOLD CONCENTRATES					
	Colorado	122 530					104 394			United States	164 483	78 988			
	Kansas	188 123					665 624			2122215	GOLD MILL BULLION AND PLACER GOLD				
	Louisiana	716 713		1 245 878			United States				3 631 651	3 277 314			
	New Mexico	737 510		565 506			2122221				CRUDE SILVER ORES				
	Oklahoma	617 000		654 668							United States	-	D		
	Texas	5 828 649		5 398 485	2122223						SILVER CONCENTRATES				
	Wyoming	433 797		292 861							United States	D	D		
	2111123	RESIDUE GAS SHIPPED FROM NATURAL GAS LIQUIDS PLANTS										2122225	SILVER MILL BULLION AND PLACER SILVER		
		United States		15 810 792		17 803 960					United States		D	D	
		California		551 967		188 536					2122311		CRUDE LEAD AND ZINC ORES		
		Colorado	329 651	525 407		United States							47 636	D	
		Kansas	763 826	1 380 142		2122313							LEAD AND ZINC CONCENTRATES		
Louisiana		4 942 914	5 895 954	United States				478 187					D		
New Mexico		1 080 746	918 535	2121111				RUN-OF-MINE (RAW) BITUMINOUS COAL AND LIGNITE SHIPPED FROM SURFACE MINING OPERATIONS							
Oklahoma		997 126	1 056 602					United States	1 637 862				1 816 557		
Texas		5 579 480	5 468 782					Alabama	22 981				44 794		
Wyoming		837 426	1 598 261					Colorado	78 153	40 412					
2121113		PROCESSED BITUMINOUS COAL AND LIGNITE SHIPPED FROM SURFACE OPERATIONS							Illinois	8 841			64 638		
		United States	10 222 212				10 831 794	Kentucky	330 137	567 168					
		Alabama	223 177				342 599	Ohio	55 344	77 045					
		Illinois	305 464		706 221		Pennsylvania	161 514	140 665						
		Indiana	308 929		607 671		Tennessee	9 672	10 560						
	Kentucky	1 918 713	1 853 927		Virginia		164 978	166 752							
	Montana	402 748	414 078		West Virginia		585 830	440 409							
	North Dakota	235 898	215 593		2121113		PROCESSED BITUMINOUS COAL AND LIGNITE SHIPPED FROM SURFACE OPERATIONS								
	Ohio	288 258	357 607				United States	10 222 212	10 831 794						
	Pennsylvania	708 729	731 123			Alabama	223 177	342 599							
						Illinois	305 464	706 221							
				Indiana		308 929	607 671								
				Kentucky		1 918 713	1 853 927								
				Montana		402 748	414 078								
				North Dakota		235 898	215 593								
			Ohio	288 258		357 607									
			Pennsylvania	708 729		731 123									

Table 2. Product Class Shipments or Receipts for Services for Selected States and Offshore Areas: 1997 and 1992—Con.

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2 of the Industry Series reports. Also, product classes are not shown if they are miscellaneous or not specified by kind classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1997. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product or service class code	Product or service class and geographic area	Value of product shipments or receipts for services		NAICS product or service class code	Product or service class and geographic area	Value of product shipments or receipts for services	
		1997 (\$1,000)	1992 (\$1,000)			1997 (\$1,000)	1992 (\$1,000)
2122341	CRUDE COPPER-BEARING ORES United States	248 898	204 008	2123213	CONSTRUCTION SAND AND GRAVEL (WASHED, SCREENED, OR OTHERWISE TREATED)—Con. Michigan	91 537	76 065
2122343	COPPER CONCENTRATES United States	2 340 840	1 982 248		Mississippi	32 580	27 382
	Arizona	1 536 295	1 230 035		Missouri	19 111	15 948
2122345	COPPER PRECIPITATES AND ELECTROWON COPPER RECOVERED FROM LEACHING OPERATIONS United States	1 262 842	1 093 062		Nebraska	8 323	21 697
2122911	CRUDE URANIUM-VANADIUM ORES United States	D	—		Nevada	21 085	11 314
2122913	URANIUM-VANADIUM CONCENTRATES United States	73 870	45 361		New Hampshire	40 236	15 187
2122991	BAUXITE United States	D	12 099	2123211	INDUSTRIAL GLASS SAND United States	218 913	177 949
2122993	FERROALLOY ORES, EXCEPT VANADIUM United States	D	N		California	22 929	30 590
2122995	MISCELLANEOUS METAL ORES AND CONCENTRATES, SUCH AS ANTIMONY, BERYLLIUM, MERCURY, RARE-EARTH METALS, TIN, AND TITANIUM United States	267 569	142 706	2123223	INDUSTRIAL MOLDING SAND United States	83 099	68 951
2123211	CONSTRUCTION SAND AND GRAVEL (RUN OF PIT OR BANK) United States	350 879	229 642		Illinois	23 135	14 160
	Arkansas	4 579	2 628	2123229	OTHER INDUSTRIAL SAND United States	175 288	138 853
	California	74 270	31 941		Illinois	36 409	31 418
	Connecticut	2 011	2 179	2123251	BENTONITE United States	180 462	142 490
	Florida	5 214	5 640		Wyoming	140 300	86 582
	Illinois	11 899	5 569	2123253	FIRE CLAY United States	2 806	5 896
	Louisiana	4 116	N	2123255	FULLER'S EARTH United States	225 660	180 477
	Massachusetts	10 904	6 002		Georgia	56 652	66 168
	Michigan	16 608	9 351	2123257	FELDSPAR (CRUDE, CRUSHED, OR GROUND) United States	37 341	96 746
	Mississippi	2 331	4 109	2123258	COMMON (MISCELLANEOUS) CLAY AND SHALE United States	91 958	87 257
	Missouri	7 685	3 449	2123259	OTHER CLAY, CERAMIC, AND REFRACTORY MINERALS INCLUDING MAGNESITE AND BRUCITE United States	61 370	84 387
	Nebraska	14 366	N	2123911	POTASSIUM SALTS AND BORON COMPOUNDS United States	725 032	N
	Nevada	7 338	N	2123913	SODIUM CARBONATE AND SULFATE United States	964 543	860 467
	New Hampshire	2 240	N	2123921	CRUDE PHOSPHATE ROCK (ORE OR MATRIX) United States	55 888	15 014
	New Jersey	4 467	6 890	2123923	PREPARED PHOSPHATE ROCK United States	950 482	1 178 158
	New York	13 802	17 727		Florida	740 409	916 907
	Ohio	24 759	13 314				
	Oklahoma	2 257	N				
	Pennsylvania	4 924	5 712				
	South Carolina	4 349	N				
	Tennessee	4 878	N				
	Texas	27 078	15 683				
	Virginia	3 779	N				
	Washington	17 696	18 850				
	Wisconsin	9 473	11 626				
2123213	CONSTRUCTION SAND AND GRAVEL (WASHED, SCREENED, OR OTHERWISE TREATED) United States	1 962 079	1 650 664				
	Alabama	28 550	26 147				
	Arkansas	31 778	21 521				
	California	272 317	286 663				
	Connecticut	9 162	8 639				
	Florida	54 397	62 919				
	Georgia	9 858	9 598				
	Illinois	77 114	83 650				
	Iowa	41 584	30 859				
	Louisiana	31 521	32 701				
	Massachusetts	18 053	28 269				

Table 2. **Product Class Shipments or Receipts for Services for Selected States and Offshore Areas: 1997 and 1992—Con.**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2 of the Industry Series reports. Also, product classes are not shown if they are miscellaneous or not specified by kind classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1997. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product or service class code	Product or service class and geographic area	Value of product shipments or receipts for services		NAICS product or service class code	Product or service class and geographic area	Value of product shipments or receipts for services	
		1997 (\$1,000)	1992 (\$1,000)			1997 (\$1,000)	1992 (\$1,000)
2123931	BARITE United States	D	12 969	2123999	OTHER NONMETALLIC MINERALS United States	302 103	N
2123933	ROCK SALT United States	220 846	198 488		Florida	22 143	N
2123935	NATIVE SULFUR United States	D	146 980	2131121	OIL AND GAS FIELD EXPLORATION SERVICES United States	391 818	N
2123939	OTHER CHEMICAL AND FERTILIZER MINERALS United States	D	39 057		Colorado	7 865	N
2123991	DIATOMITE, CRUDE AND PREPARED United States	128 891	139 317	2131122	OTHER OIL AND GAS FIELD SUPPORT ACTIVITIES United States	7 844 945	N
2123993	GYPSUM # United States	66 131	N		Alabama	38 072	N
	Nevada	3 057	N		Alaska	373 615	N
2123995	TALC, SOAPSTONE, AND PYROPHYLLITE United States	95 630	N		Arkansas	28 833	N
					California	385 062	N
					Colorado	112 872	N
					Florida	4 784	N
					Illinois	29 410	N
					Indiana	8 906	N
					Kansas	112 001	N
					Kentucky	49 462	N
					Michigan	53 767	N
					Missouri	11 500	N
					Montana	28 613	N
					New Mexico	274 713	N
					North Dakota	53 251	N
					Ohio	40 322	N
					Pennsylvania	47 418	N
					Texas	2 710 578	N
					Utah	62 063	N
					West Virginia	50 223	N
					Wyoming	214 346	N

Additional information is available for this item; see Appendix F.

Appendix A.

Explanation of Terms

PRODUCT CODES AND CLASSES OF PRODUCTS

NAICS United States industries are identified by a six-digit code, in contrast to the four-digit SIC code. The longer code accommodates the large number of sectors and allows more flexibility in designing subsectors. Each product or service is assigned a ten-digit code. The product coding structure represents an extension by the Census Bureau of the six-digit industry classifications of the manufacturing and mining sectors. The classification system operates so that the industrial coverage is progressively narrower with the successive addition of digits. This is illustrated as follows:

NAICS level	NAICS code	Description
Industry	21111	Oil and gas extraction
U.S. industry	211111	Crude petroleum and natural gas extraction
Product class. . . .	2111111	Crude petroleum, including lease condensate
BLS link code . . .	2111111X	
Product code	2111111XXX	

As in previous censuses, data were collected for most industries on the quantity and value of individual products shipped. In the new system, there are 61 product classes (seven-digit codes) and almost 150 census products (ten-digit codes). The ten-digit products are considered the primary products of the industry with the same first six digits.

The list of products for which separate information was collected was prepared after consultation with industry and government representatives. Comparability with previous figures was given considerable weight in the selection of product categories so that comparable 1992 information is presented for most products.

Typically, both quantity and value of shipments or receipts information were collected. However, if quantity was not significant or could not be reported, only value of shipments and receipts was collected. Shipments include both commercial shipments and transfers of products to other plants of the same company.

Appendix B.

NAICS Codes, Titles, and Descriptions

SECTOR 21 MINING

The Mining sector comprises establishments that extract naturally occurring mineral solids, such as coal and ores; liquid minerals, such as crude petroleum; and gases, such as natural gas. The term mining is used in the broad sense to include quarrying, well operations, beneficiating (e.g., crushing, screening, washing, and flotation), and other preparation customarily performed at the mine site, or as a part of mining activity.

The Mining sector distinguishes two basic activities: mine operation and mining support activities. Mine operation includes establishments operating mines, quarries, or oil and gas wells on their own account or for others on a contract or fee basis. Mining support activities include establishments that perform exploration (except geophysical surveying) and/or other mining services on a contract or fee basis.

Establishments in the Mining sector are grouped and classified according to the natural resource mined or to be mined. Industries include establishments that develop the mine site, extract the natural resources, and /or those that beneficiate (i.e., prepare) the mineral mined. Beneficiation is the process whereby the extracted material is reduced to particles that can be separated into mineral and waste, the former suitable for further processing or direct use. The operations that take place in beneficiation are primarily mechanical, such as grinding, washing, magnetic separation, and centrifugal separation. In contrast, manufacturing operations primarily use chemical and electrochemical processes, such as electrolysis and distillation. However some treatments, such as heat treatments, take place in both the beneficiation and the manufacturing (i.e., smelting/refining) stages. The range of preparation activities varies by mineral and the purity of any given ore deposit. While some minerals, such as petroleum and natural gas, require little or no preparation, others are washed and screened, while yet others, such as gold and silver, can be transformed into bullion before leaving the mine site.

Mining, beneficiating, and manufacturing activities often occur in a single location. Separate receipts will be collected for these activities whenever possible. When receipts cannot be broken out between mining and manufacturing, establishments that mine or quarry nonmetallic minerals, beneficiate the nonmetallic minerals into more finished manufactured products are classified based on the primary activity of the establishment. A mine that manufactures a small amount of finished products will be

classified in Sector 21, Mining. An establishment that mines whose primary output is a more finished manufactured product will be classified in Sector 31-33, Manufacturing.

211 Oil and Gas Extraction

Industries in the Oil and Gas Extraction subsector operate and/or develop oil and gas field properties. Such activities may include exploration for crude petroleum and natural gas; drilling, completing, and equipping wells; operating separators, emulsion breakers, desilting equipment, and field gathering lines for crude petroleum; and all other activities in the preparation of oil and gas up to the point of shipment from the producing property. This subsector includes the production of crude petroleum, the mining and extraction of oil from oil shale and oil sands, and the production of natural gas and recovery of hydrocarbon liquids.

Establishments in this subsector include those that operate oil and gas wells on their own account or for others on a contract or fee basis. Establishments primarily engaged in providing support services, on a fee or contract basis, required for the drilling or operation of oil and gas wells (except geophysical surveying and mapping) are classified in Subsector 213, Support Activities for Mining.

2111 Oil and Gas Extraction

This NAICS Industry Group includes establishments classified in NAICS Industry 21111, Oil and Gas Extraction.

21111 Oil and Gas Extraction

This industry comprises establishments primarily engaged in operating and/or developing oil and gas field properties and establishments primarily engaged in recovering liquid hydrocarbons from oil and gas field gases. Such activities may include exploration for crude petroleum and natural gas; drilling, completing, and equipping wells; operation of separators, emulsion breakers, desilting equipment, and field gathering lines for crude petroleum; and all other activities in the preparation of oil and gas up to the point of shipment from the producing property. This industry includes the production of crude petroleum, the mining and extraction of oil from oil shale and oil sands, the production of natural gas and the recovery of hydrocarbon liquids from oil and gas field gases. Establishments in this industry operate oil and gas wells on their own account or for others on a contract or fee basis.

211111 Crude Petroleum and Natural Gas Extraction

This U.S. industry comprises establishments primarily engaged in (1) the exploration, development and/or the production of petroleum or natural gas from wells in which the hydrocarbons will initially flow or can be produced using normal pumping techniques, or (2) the production of crude petroleum from surface shales or tar sands or from reservoirs in which the hydrocarbons are semisolids. Establishments in this industry operate oil and gas wells on their own account or for others on a contract or fee basis.

The data published with NAICS code 211111 include the following SIC industry:

1311 Crude petroleum and natural gas

211112 Natural Gas Liquid Extraction

This U.S. industry comprises establishments primarily engaged in the recovery of liquid hydrocarbons from oil and gas field gases. Establishments primarily engaged in sulfur recovery from natural gas are included in this industry.

The data published with NAICS code 211112 include the following SIC industry:

1321 Natural gas liquids

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 211112 do not include establishments primarily engaged in sulfur recovery from natural gas. The NAICS definitions will be fully implemented with the 2002 Economic Census.

212 Mining (Except Oil and Gas)

Industries in the Mining (except Oil and Gas) subsector primarily engage in mining, mine site development, and beneficiating (i.e., preparing) metallic minerals and nonmetallic minerals, including coal. The term "mining" is used in the broad sense to include ore extraction, quarrying, and beneficiating (e.g., crushing, screening, washing, sizing, concentrating, and flotation), customarily done at the mine site.

Beneficiation is the process whereby the extracted material is reduced to particles which can be separated into mineral and waste, the former suitable for further processing or direct use. The operations that take place in beneficiation are primarily mechanical, such as grinding, washing, magnetic separation, centrifugal separation, and so on. In contrast, manufacturing operations primarily use chemical and electrochemical processes, such as electrolysis, distillation, and so on. However some treatments, such as heat treatments, take place in both stages: the beneficiation and the manufacturing (i.e., smelting/ refining) stages. The range of preparation activities varies by

mineral and the purity of any given ore deposit. While some minerals, such as petroleum and natural gas, require little or no preparation, others are washed and screened, while yet others, such as gold and silver, can be transformed into bullion before leaving the mine site.

Establishments in the Mining (except Oil and Gas) subsector include those that have complete responsibility for operating mines and quarries (except oil and gas wells) and those that operate mines and quarries (except oil and gas wells) for others on a contract or fee basis. Establishments primarily engaged in providing support services, on a contract or fee basis, required for the mining and quarrying of minerals are classified in Subsector 213, Support Activities for Mining.

2121 Coal Mining

This NAICS Industry Group includes establishments classified in NAICS Industry 21211, Coal Mining.

21211 Coal Mining

This industry comprises establishments primarily engaged in one or more of the following: (1) mining bituminous coal, anthracite, and lignite by underground mining, auger mining, strip mining, culm bank mining, and other surface mining; (2) developing coal mine sites; and (3) beneficiating (i.e., preparing) coal (e.g., cleaning, washing, screening, and sizing coal).

212111 Bituminous Coal and Lignite Surface Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) surface mining or development of bituminous coal and lignite; (2) developing bituminous coal and lignite surface mine sites; and (3) beneficiating bituminous coal (e.g., cleaning, washing, screening, and sizing coal) whether mined on surface or underground.

The data published with NAICS code 212111 include the following SIC industry:

1221 Bituminous coal and lignite surface mining

212112 Bituminous Coal Underground Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) the underground mining of bituminous coal; (2) developing bituminous coal underground mine sites; and (3) the underground mining and beneficiating bituminous coal (e.g., cleaning, washing, screening, and sizing coal).

The data published with NAICS code 212112 include the following SIC industry:

1222 Bituminous coal underground mining

212113 Anthracite Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) mining anthracite coal; (2) developing anthracite coal mining sites; and (3) beneficiating anthracite coal (e.g., cleaning, washing, screening, and sizing coal).

The data published with NAICS code 212113 include the following SIC industry:

1231 Anthracite mining

2122 Metal Ore Mining

This industry group comprises establishments primarily engaged in developing mine sites or mining metallic minerals, and establishments primarily engaged in ore dressing and beneficiating (i.e., preparing) operations, such as crushing, grinding, washing, drying, sintering, concentrating, calcining, and leaching. Beneficiating may be performed at mills operated in conjunction with the mines served or at mills, such as custom mills, operated separately.

21221 Iron Ore Mining

This industry comprises establishments primarily engaged in (1) developing mine sites, mining, and/or beneficiating (i.e., preparing) iron ores and manganiferous ores valued chiefly for their iron content and/or (2) producing sinter iron ore (except iron ore produced in iron and steel mills) and other iron ore agglomerates.

212210 Iron Ore Mining

This U.S. industry comprises establishments primarily engaged in (1) developing mine sites, mining, and/or beneficiating (i.e., preparing) iron ores and manganiferous ores valued chiefly for their iron content and/or (2) producing sinter iron ore (except iron ore produced in iron and steel mills) and other iron ore agglomerates.

The data published with NAICS code 212210 include the following SIC industry:

1011 Iron ores

21222 Gold Ore and Silver Ore Mining

This industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) ores valued chiefly for their gold and or silver content. Establishments primarily engaged in the transformation of the gold and silver into bullion or dore bar in combination with mining activities are included in this industry.

212221 Gold Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) ores valued chiefly for their gold

content. Establishments primarily engaged in transformation of the gold into bullion or dore bar in combination with mining activities are included in this industry.

The data published with NAICS code 212221 include the following SIC industry:

1041 Gold ores

212222 Silver Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) ores valued chiefly for their silver content. Establishments primarily engaged in transformation of the silver into bullion or dore bar in combination with mining activities are included in this industry.

The data published with NAICS code 212222 include the following SIC industry:

1044 Silver ores

21223 Copper, Nickel, Lead, and Zinc Mining

This industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) ores valued chiefly for their copper, nickel, lead, or zinc content. Beneficiating includes the transformation of ores into concentrates.

212231 Lead Ore and Zinc Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) lead ores, zinc ores, or lead-zinc ores.

The data published with NAICS code 212231 include the following SIC industry:

1031 Lead and zinc ores

212234 Copper Ore and Nickel Ore Mining

This U.S. industry comprises establishments primarily engaged in (1) developing the mine site, mining, and/or beneficiating (i.e., preparing) copper and/or nickel ores, and (2) recovering copper concentrates by the precipitation, leaching, or electrowinning of copper ore.

The data published with NAICS code 212234 include the following SIC industries:

1021 Copper ores

1061 Ferroalloy ores, except vanadium (pt)

21229 Other Metal Ore Mining

This industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) metal ores (except iron and manganiferous ores valued for their iron content, gold ore, silver ore, copper, nickel, lead, and zinc ore).

212291 Uranium-Radium-Vanadium Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) uranium-radium-vanadium ores.

The data published with NAICS code 212291 include the following SIC industry:

1094 Uranium-radium-vanadium ores

212299 All Other Metal Ore Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating (i.e., preparing) metal ores (except iron and manganese ores valued for their iron content, gold ore, silver ore, copper, nickel, lead, zinc, and uranium-radium-vanadium ore).

The data published with NAICS code 212299 include the following SIC industry:

1099 Miscellaneous metal ores, n.e.c.,

1061 Ferroalloy ores, except vanadium (pt)

2123 Nonmetallic Mineral Mining and Quarrying

This industry group comprises establishments primarily engaged in developing mine sites, or in mining or quarrying nonmetallic minerals (except fuels). Also included are certain well and brine operations, and preparation plants primarily engaged in beneficiating (e.g., crushing, grinding, washing, and concentrating) nonmetallic minerals.

Beneficiation is the process whereby the extracted material is reduced to particles which can be separated into mineral and waste, the former suitable for further processing or direct use. The operations that take place in beneficiation are primarily mechanical, such as grinding, washing, magnetic separation, and centrifugal separation. In contrast, manufacturing operations primarily use chemical and electrochemical processes, such as electrolysis and distillation. However some treatments, such as heat treatments, take place in both the beneficiation and the manufacturing (i.e., smelting/refining) stages. The range of preparation activities varies by mineral and the purity of any given ore deposit. While some minerals, such as petroleum and natural gas, require little or no preparation, others are washed and screened, while yet others, such as gold and silver, can be transformed into bullion before leaving the mine site.

21231 Stone Mining and Quarrying

This industry comprises (1) establishments primarily engaged in developing the mine site, mining or quarrying dimension stone (i.e., rough blocks and/or slabs of stone), or mining and quarrying crushed and broken stone and/or (2) preparation plants primarily engaged in beneficiating stone (e.g., crushing, grinding, washing, screening, pulverizing, and sizing).

212311 Dimension Stone Mining and Quarrying

This U.S. industry comprises establishments primarily engaged in developing the mine site and/or mining or quarrying dimension stone (i.e., rough blocks and/or slabs of stone).

The data published with NAICS code 212311 include the following SIC industry:

1411 Dimension stone

212312 Crushed and Broken Limestone Mining and Quarrying

This U.S. industry comprises (1) establishments primarily engaged in developing the mine site, mining or quarrying crushed and broken limestone (including related rocks, such as dolomite, cement rock, marl, travertine, and calcareous tufa), and (2) preparation plants primarily engaged in beneficiating limestone (e.g., grinding or pulverizing).

The data published with NAICS code 212312 include the following SIC industry:

1422 Crushed and broken limestone

212313 Crushed and Broken Granite Mining and Quarrying

This U.S. industry comprises (1) establishments primarily engaged in developing the mine site, and/or mining or quarrying crushed and broken granite (including related rocks, such as gneiss, syenite, and diorite) and (2) preparation plants primarily engaged in beneficiating granite (e.g. grinding or pulverizing).

The data published with NAICS code 212313 include the following SIC industry:

1423 Crushed and broken granite

212319 Other Crushed and Broken Stone Mining and Quarrying

This U.S. industry comprises (1) establishments primarily engaged in developing the mine site and/or mining or quarrying crushed and broken stone (except limestone and granite), (2) preparation plants primarily engaged in beneficiating (e.g., grinding and pulverizing) stone (except limestone and granite), and (3) establishments primarily engaged in mining or quarrying bituminous limestone and bituminous sandstone.

The data published with NAICS code 212319 include the following SIC industries:

1429 Crushed and broken stone, n.e.c.

1499 Miscellaneous nonmetallic minerals, except fuels (pt)

21232 Sand, Gravel, Clay, and Ceramic and Refractory Minerals Mining and Quarrying

This industry comprises (1) establishments primarily engaged in developing the mine site and/or mining, quarrying, dredging for sand and gravel, or mining clay, (e.g., china clay, paper clay and slip clay) and (2) preparation plants primarily engaged in beneficiating (e.g., washing, screening, and grinding) sand and gravel, clay, and ceramic and refractory minerals.

212321 Construction Sand and Gravel Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) operating commercial grade (i.e., construction) sand and gravel pits; (2) dredging for commercial grade sand and gravel; and (3) washing, screening, or otherwise preparing commercial grade sand and gravel.

The data published with NAICS code 212321 include the following SIC industry:

1442 Construction sand and gravel

212322 Industrial Sand Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) operating industrial grade sand pits; (2) dredging for industrial grade sand; and (3) washing, screening, or otherwise preparing industrial grade sand.

The data published with NAICS code 212322 include the following SIC industry:

1446 Industrial sand

212324 Kaolin and Ball Clay Mining

This U.S. industry comprises (1) establishments primarily engaged in developing the mine site and/or mining kaolin or ball clay (e.g., china clay, paper clay, and slip clay) and (2) establishments primarily engaged in beneficiating (i.e., preparing) kaolin or ball clay.

The data published with NAICS code 212324 include the following SIC industry:

1455 Kaolin and ball clay

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 212324 do not include establishments only engaged in beneficiating or preparing kaolin and ball clay. The NAICS definitions will be fully implemented with the 2002 Economic Census.

212325 Clay and Ceramic and Refractory Minerals Mining

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) mining clay (except kaolin and ball), ceramic, or refractory minerals;

(2) developing the mine site for clay, ceramic, or refractory minerals; and (3) beneficiating (i.e., preparing) clay (except kaolin and ball), ceramic, or refractory minerals.

The data published with NAICS code 212325 include the following SIC industry:

1459 Clay, ceramic, and refractory minerals, n.e.c.

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 212325 do not include establishments only engaged in beneficiating or preparing clay, ceramic and refractory minerals. The NAICS definitions will be fully implemented with the 2002 Economic Census.

21239 Other Nonmetallic Mineral Mining and Quarrying

This industry comprises establishments primarily engaged in developing the mine site, mining, and/or milling or otherwise beneficiating (i.e., preparing) nonmetallic minerals (except coal, stone, sand, gravel, clay, ceramic, and refractory minerals).

212391 Potash, Soda, and Borate Mineral Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining and/or milling, or otherwise beneficiating (i.e., preparing) natural potassium, sodium, or boron compounds. Drylake brine operations are included in this industry, as well as establishments engaged in producing the specified minerals from underground and open pit mines.

The data published with NAICS code 212391 include the following SIC industry:

1474 Potash, soda, and borate minerals

212392 Phosphate Rock Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, milling, and/or drying or otherwise beneficiating (i.e., preparing) phosphate rock.

The data published with NAICS code 212392 include the following SIC industry:

1475 Phosphate rock

212393 Other Chemical and Fertilizer Mineral Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining, milling, and/or drying or otherwise beneficiating (i.e., preparing) chemical or fertilizer mineral raw materials (except potash, soda, boron, and phosphate rock).

The data published with NAICS code 212393 include the following SIC industry:

1479 Chemical and fertilizer mineral mining, n.e.c.

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 212393 do not include establishments only engaged in beneficiating or preparing chemical and fertilizer minerals. The NAICS definitions will be fully implemented with the 2002 Economic Census.

212399 All Other Nonmetallic Mineral Mining

This U.S. industry comprises establishments primarily engaged in developing the mine site, mining and/or milling or otherwise beneficiating (i.e., preparing) nonmetallic minerals (except stone, sand, gravel, clay, ceramic, refractory minerals, chemical and fertilizer minerals).

The data published with NAICS code 212399 include the following SIC industry:

1499 Miscellaneous nonmetallic minerals, except fuels (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census Mining did not fully implement the conversion to NAICS. Data for NAICS industry 212399 do not include establishments only engaged in beneficiating or preparing miscellaneous nonmetallic minerals. The NAICS definitions will be fully implemented with the 2002 Economic Census.

213 Support Activities for Mining

Industries in the Support Activities for Mining subsector group establishments primarily providing support services, on a fee or contract basis, required for the mining and quarrying of minerals and for the extraction of oil and gas. Establishments performing exploration (except geophysical surveying and mapping) for minerals, on a contract or fee basis, are included in this subsector. Exploration includes traditional prospecting methods, such as taking core samples and making geological observations at prospective sites.

The activities performed on a fee or contract basis by establishments in the Support Activities for Mining subsector are also often performed in-house by mining operators. These activities include: taking core samples, making geological observations at prospective sites, and such oil and gas operations as spudding in, drilling in, re-drilling, directional drilling, excavating slush pits and cellars; grading and building foundations at well locations; well surveying; running, cutting, and pulling casings, tubes and rods; cementing wells; shooting wells; perforating well casings; acidizing and chemically treating wells; and cleaning out, bailing, and swabbing wells.

2131 Support Activities for Mining

This NAICS Industry Group includes establishments classified in NAICS Industry 21311, Support Activities for Mining.

21311 Support Activities for Mining

This industry comprises establishments primarily engaged in providing support services, on a fee or contract basis, required for the mining and quarrying of minerals and for the extraction of oil and gas. Drilling, taking core samples, and making geological observations at prospective sites (except geophysical surveying and mapping) for minerals, on a fee or contract basis, is included in this industry.

213111 Drilling Oil and Gas Wells

This U.S. industry comprises establishments primarily engaged in drilling oil and gas wells for others on a contract or fee basis. This industry includes contractors that specialize in spudding in, drilling in, re-drilling, and directional drilling.

The data published with NAICS code 213111 include the following SIC industry:

1381 Drilling oil and gas wells

213112 Support Activities for Oil and Gas Operations

This U.S. industry comprises establishments primarily engaged in performing oil and gas field services (except contract drilling) for others, on a contract or fee basis. Services included are exploration (except geophysical surveying and mapping); excavating slush pits and cellars; grading and building foundations at well locations; well surveying; running, cutting, and pulling casings, tubes, and rods; cementing wells; shooting wells; perforating well casings; acidizing and chemically treating wells; and cleaning out, bailing, and swabbing wells.

The data published with NAICS code 213112 include the following SIC industries:

1382 Oil and gas field exploration services (pt)

1389 Oil and gas field services, n.e.c.

213113 Support Activities for Coal Mining

This U.S. industry comprises establishments primarily engaged in providing support services, on a fee or contract basis, required for coal mining. Exploration for coal is included in this industry. Exploration includes traditional prospecting methods, such as taking core samples and making geological observations at prospective sites.

The data published with NAICS code 213113 include the following SIC industry:

1241 Coal mining services

213114 Support Activities for Metal Mining

This U.S. industry comprises establishments primarily engaged in providing support services, on a fee or contract basis, required for the mining and quarrying of metallic minerals and for the extraction of metal ores.

Exploration for minerals is included in this industry. Exploration (except geophysical surveying and mapping services) includes traditional prospecting methods, such as taking core samples and making geological observations at prospective sites.

The data published with NAICS code 213114 include the following SIC industry:

1081 Metal mining services (pt)

213115 Support Activities for Nonmetallic Minerals (Except Fuels)

This U.S. industry comprises establishments primarily engaged in providing support services, on a fee or contract basis, required for the mining and quarrying of nonmetallic minerals and for the extraction of nonmetallic

minerals. Exploration for minerals is included in this industry. Exploration (except geophysical surveying and mapping services) includes traditional prospecting methods, such as taking core samples and making geological observations at prospective sites.

The data published with NAICS code 213115 include the following SIC industry:

1481 Nonmetallic minerals services, except fuels (pt)

Appendix C.

Coverage and Methodology

MAIL/NONMAIL UNIVERSE

The mining universe includes about 25,000 establishments. This number includes those industries in the NAICS definition of mining, but not those portions of industries leaving the mining sector in the classification change. The amounts of information requested from mining establishments were dependent on a number of factors. The most important consideration was the size of the company. The methods of obtaining information for the various subsets of the universe to arrive at the aggregate figures shown in the publication are described below:

1. Small single-establishment companies not sent a report form.

Approximately 40 percent of the mining establishments were small single-establishment companies that were excused from filing a census report. Selection of these establishments was based on two factors: annual payroll and our ability to assign the correct six-digit NAICS industry classification to the establishment. For each four-digit Standard Industrial Classification (SIC) industry code, an annual payroll cut-off was determined. These cutoffs were derived so that the establishments with payroll less than the cutoff were expected to account for no more than 3 percent of the value of shipments and receipts for the industry. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms. Establishments below the cutoff that could not be directly assigned a six-digit NAICS code were mailed a classification report which requested information for assigning NAICS industry codes. Establishments below the cut-off that could be directly assigned a six-digit NAICS code were excused from filing any report. For below-cut-off establishments, information on the physical location, payroll, and receipts was obtained from the administrative records of other Federal agencies under special arrangements which safeguarded their confidentiality.

Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The value of shipments and receipts, cost of supplies, etc., and cost of fuels were not distributed among specific products, supplies, and fuels for these establishments but were included in the product, supplies, and fuels "not specified by kind" (nsk) categories.

The industry classification codes included in the administrative-record files were assigned on the basis of brief descriptions of the general activity of the establishment. As a result, an indeterminate number of establishments were erroneously coded to a four-digit SIC industry and then erroneously recoded to a six-digit NAICS industry. This was especially true whenever there was a relatively fine line of demarcation between industries or between mining and non-mining activity.

Sometimes the administrative-record cases had only two- or three-digit SIC group classification codes available in the files. For the 1997 Economic Census—Mining, these establishments were sent a separate classification form, which requested information on the products and services of the establishment. This form was used to code many of these establishments to the appropriate six-digit NAICS level. Establishments that did not return the classification form were coded later to those six-digit NAICS industries identified as a default within the given subsector.

As a result of these situations, a number of small establishments may have been misclassified by industry. However, such possible misclassification has no significant effect on the statistics other than on the number of companies and establishments.

The total establishment count for individual industries should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 employees or more are far more reliable than the count of total number of establishments.

2. Establishments sent a report form.

The establishments covered in the mail canvass were divided into two groups:

- a. Large and medium size establishments.

Approximately 48 percent of all mining establishments were included in this group. A variable cutoff, based on administrative-record payroll data and determined on an industry-by-industry basis, was used to select those establishments that were to receive 1 of the 10 economic census – mining regular forms. The first four pages, requesting establishment data for items, such as employment and payroll, costs, assets, and capital expenditures, were fairly standard although some variation occurred depending on the industries collected on

the form. The remaining pages of the form contained product, supply, fuel, and special inquiries. The diversity of the mining activities necessitated the use of several forms to canvass the 29 mining industries. Most forms were developed for a group of industries.

b. Small single-establishment companies.

This group included approximately 12 percent of all mining establishments. For those industries where application of the variable cutoff for administrative-record cases resulted in a large number of small establishments being included in the mail canvass, an abbreviated or short form was used. Establishments in the crushed stone, sand and gravel, and crude petroleum and natural gas industries with 5 to 19 employees received 1 of 2 versions of the short form. The form requested summary product and material data and totals but no details on payrolls, cost of supplies and fuels, assets, and capital expenditures.

Use of the short form has no adverse effect on published totals for the industry statistics because the same data were collected on the short form as on the long form. However, detailed information on supplies and fuels was not collected on the short form; thus, its use would increase the value of the industry categories.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each of the establishments covered in the 1997 Economic Census – Mining was classified in 1 of 29 mineral industries in accordance with the industry definitions in the 1997 NAICS manual. This is the first edition of the NAICS manual and is a major change from the 1987 SIC manual that was used in the past. Appendix A of the 1997 NAICS manual notes the comparability between the 1987 SIC and the 1997 NAICS classification systems. When applicable, Appendix G of this report shows the product comparability between the two systems for the data in this report.

In the NAICS system, an industry is generally defined as establishments grouped according to similarity in the processes used to produce the mineral products. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of its number, value added by mining, value of shipments and receipts, number of employees, and payroll.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the mining sector for 1997, there are 3 subsectors (three-digit NAICS), 5 industry groups (four-digit NAICS), and 10 NAICS industries (5-digit NAICS) that are comparable with Canadian and Mexican classification and 29 U.S. industries (six-digit

NAICS). This represents a slight reduction of the four-digit SIC-based U.S. industries from 31 in 1987. Within industries, there are 141 seven-digit product classes and 196 ten-digit products. The ten-digit products are considered the primary products of the industry with the same first six digits.

For the 1997 Economic Census – Mining, all establishments were classified in particular industries based on the products they produced. If an establishment made products of more than one industry, it was classified in the industry with the largest product value.

Establishments frequently make products classified both in their industry (primary products) and other industries (secondary products). Industry statistics (employment, payroll, value added by mining, value of shipments and receipts, etc.) reflect the activities of the establishments which may make both primary and secondary products. Product statistics, however, represent the output of all establishments without regard for the classification of the producing establishment. For this reason, when relating the industry statistics (especially the value of shipments and receipts) to the product statistics, the composition of the industry's output should be considered.

ESTABLISHMENT BASIS OF REPORTING

The 1997 Economic Census – Mining covers each mining establishment of firms with one or more paid employees operating in the United States. A company operating more than one establishment is required to file a separate report for each location. A mining establishment is defined as a single physical location where mineral operations are conducted. However, a company engaged in distinctly different lines of activity at one location is required to submit a separate report for each activity if the plant records permit such a separation and if the activities are substantial in size.

For oil and gas field operations and for contract services, the basis for reporting is different from the "establishment" basis used for other types of mining. Firms operating oil and gas wells, drilling wells, or exploring for oil and gas for their own account were required to submit a separate report for each state or offshore area adjacent to a state in which it conducted such activities. Firms that performed contract services for oil and gas field operations or for mining establishments were required to submit one report covering all such activities in the United States and to include information on receipts for services and production-worker wages and hours by state. These consolidated reports were then allocated to state establishments based on the data reported at the state level. The 1997 figures for establishments include the summation of operations for each state allocated from these nationwide reports.

In the 1997 Economic Census – Mining, as in censuses since 1967, data for single-unit firms without paid employees were excluded. This exclusion had only a slight

effect on industry aggregates for most industries. Data for firms without employees were included in the 1963, 1958, and 1954 censuses if they reported more than \$500 in (1) value of shipments and receipts, (2) cost of supplies and purchased machinery, or (3) capital expenditures.

The 1997 Economic Census – Mining excludes data for central administrative offices. Statistics for employment and payroll for individual industries and industry groups no longer include employment and payroll figures for administrative offices, warehouses, storage facilities, and other auxiliary establishments servicing mining establishments. These data are included in a separate report series.

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

The 1997 Economic Census – Mining shows value of shipments and receipts data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment. The value of products shipped also may include some products shipped from manufacturing establishments with mining operations.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan Areas

Not applicable for this report.

Appendix F.

Footnotes for Products or Services Statistics

NAICS product or service code	Footnote
# 211111WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 211112WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 212111.....	Value of net shipments for 1997 is 9,307,909 thousand dollars. In 1992 it was 9,848,180 thousand dollars. Net shipments represent gross shipments excluding coal not specified by kind and less coal received for preparation.
# 21211112	Includes estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 212111WYWT	Represents value for establishments that did not report detailed data.
# 212112.....	Value of net shipments for 1997 is 10,088,405 thousand dollars. In 1992 it was 11,434,443 thousand dollars. Net shipments represent gross shipments excluding coal not specified by kind and less coal received for preparation.
# 21211212	Includes estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 212112WYWT	Represents value for establishments that did not report detailed data.
# 212113.....	Quantity and value of net shipments in 1997 are 2,464.5 thousand short tons and 119.9 million dollars. In 1992 they were 1,890.4 thousand short tons and 117.1 million dollars. Net shipments represent raw coal for use without preparation plus prepared coal.
# 2121131121	Includes estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 212113WYWT	Represents value for establishments that did not report detailed data.
# 212210.....	Net shipments represented by the sum of direct-shipping ore, iron ore concentrates for consumption, and iron agglomerates were 63.2 million metric tons and 1,858.8 million dollars for 1997.
# 2122101111	Includes estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 212210WYWT	Represents value for establishments that did not report detailed data.
# 212221WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).

NAICS product or service code	Footnote
# 212222WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 212231WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 2122341111	Includes material for leaching.
# 212234WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 2122913111	Byproduct uranium oxide not associated with the mining and milling of ores is included in Product Code 3251317331, Other Organic Chemicals, N.E.C.
# 212291WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 2122995100	Includes value for platinum-group metals.
# 212299WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 2123110YWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 2123190YWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 212321W	Includes construction sand and gravel shipped by establishments classified in manufacturing industries.
# 212321WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 212322WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 2123240YWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 2123253100	Excludes quantity of crude clay mined and used at establishments classified in manufacturing industries.
# 212325WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 212391WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).

NAICS product or service code	Footnote
# 212392.....	In 1997 the quantity and value of net shipments, represented by gross shipments less minerals received for preparation, were 42.3 million metric tons and 1,006.4 million dollars.
# 212392WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 2123933100	Includes some rock salt shipped as brine.
# 2123939100	Represents pyrites and other miscellaneous chemical and fertilizer minerals such as fluorspar, spodumene, lithium carbonate, wollastonite, natural wollastonite, and natural iron oxide pigments.
# 212393WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 2123993	Excludes quantity and value of crushed, ground, screened, or dried gypsum processed in manufacturing establishments without mines.
# 2123993100	Quantity of production for all purposes includes gypsum mined and used in the same establishment manufacturing gypsum products.
# 2123995100	Excludes data for prepared talc, soapstone, and pyrophyllite produced at establishments classified in manufacturing industries.
# 2123999121	Includes gilsonite.
# 2123999131	Includes volcanic ash and scoria.
# 2123999171	Excludes production and shipments of shell produced and used by establishments primarily classified in construction or manufacturing industries, such as those producing cement or concrete products.
# 2123999191	Represents other miscellaneous nonmetallic minerals, such as vermiculite, gem stones, wollastonite, etc.
# 212399WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 2131110YWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 213112WYWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 2131130YWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 2131140YWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).
# 2131150Y	Includes contract services performed by mine operators classified in nonmetallic minerals (except fuels) mining industries.

NAICS product or service code	Footnote
# 2131150YWT	Includes value for establishments that did not report detailed data and estimates for small companies (estimates were made from administrative-record data rather than collected from respondents).

Appendix G.

Comparability of Product Classes and Product Codes:

1997 to 1992

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
2121111	12211	12211	2122341	10211	10211	212322W	14460	14460
212111111	1221101	1221101	2122341111	1021104	1021104	212322WYWT	1446000	1446000
212111221	1221103	1221103	2122341121	1021121	1021121	2123240 pt.	14550	14550
212111YVW	12211XX	12211XX	2122341131	1021123	1021123	2123240 pt.	14552 pt	14551
2121113	12212	12212	2122341YVW	10211XX	10211XX	2123240 pt.	14552 pt	14551
2121113111	1221201	1221201	2122343	10212	10212	2123240 pt.	14552 pt	14552
2121113221	1221217	1221217	2122343100	1021200	1021200	2123240111 pt	1455211 pt	1455100 pt
2121113331	1221218	1221218	2122345	10213	10213	2123240111 pt	1455211 pt	1455201
2121113441	1221219	1221219	2122345111	1021301	1021301	2123240121 pt	1455212 pt	1455100 pt
2121113YVW	12212XX	12212XX	2122345121	1021303	1021303	2123240121 pt	1455212 pt	1455202
212111W	12210	12210	2122345YVW	10213XX	10213XX	2123240YWT	1455000	1455000
212111WYWT	1221000	1221000	212234W pt.	10210	10210	2123251	14591	14591
2121121	12221	12221	212234W pt.	10990 pt	10990 pt	2123251100	1459100	1459100
2121121111	1222101	1222101	212234W pt.	10997 pt	10997 pt	2123253	14592	14592
2121121221	1222103	1222103	212234WYWT pt	1021000	1021000	2123253100 pt	1459200 pt	1459211
2121121YVW	12221XX	12221XX	212234WYWT pt	1099000 pt	1099000 pt	2123253100 pt	1459200 pt	1459221
2121123	12222	12222	212234WYWT pt	1099733 pt	1099733 pt	2123255	14593	14593
2121123111	1222201	1222201	212234WYWT pt	1099733 pt	1099733 pt	2123255100	1459300	1459300
2121123221	1222217	1222217	2122911	10941	10941	2123257	14596	14596
2121123YVW	12222XX	12222XX	2122911100	1094102	1094102	2123257100	1459600	1459600
212112W	12220	12220	2122913	10942	10942	2123258	14597	14597
212112WYWT	1222000	1222000	2122913111 pt	1094201 pt	1094203	2123258111	1459711	1459711
2121131	12311	12311	2122913111 pt	1094201 pt	1094204	2123258121	1459721	1459721
2121131111	1231101	1231101	2122913121	1094205	1094205	2123258YVW	14597XX	14597XX
2121131121	1231103	1231103	2122913YVW	10942XX	10942XX	2123259	14599	14599
2121131YVW	12311XX	12311XX	212291W	10940	10940	2123259100	1459900	1459900
2121133	12312	12312	212291WYWT	1094000	1094000	212325W	14590	14590
2121133111	1231201	1231201	2122991	10992	10992	212325WYWT	1459000	1459000
2121133121	1231217	1231217	2122991100 pt	1099200 pt	1099211	2123911 pt.	14745 pt	14741
2121133YVW	12312XX	12312XX	2122991100 pt	1099200 pt	1099221	2123911 pt.	14745 pt	14742
212113W	12310	12310	2122993	10997 pt	10997 pt	2123911 pt.	14745 pt	14744
212113WYWT	1231000	1231000	2122993111	1099701	1099711 pt	2123911100 pt	1474500 pt	1474100
2122101	10111	10111	2122993121	1099731	1099731	2123911100 pt	1474500 pt	1474200
2122101111	1011121	1011121	2122993131	1099732	1099729 pt	2123911100 pt	1474500 pt	1474400
2122101121	1011123	1011123	2122993YVW	10997XX	10997XX	2123913	14743	14743
2122101YVW	10111XX	10111XX	2122995	10998	10998	2123913111	1474301	1474301
2122103	10112	10112	2122995100 pt	1099800 pt	1099811	2123913121	1474303	1474303
2122103111	1011203	1011203	2122995100 pt	1099800 pt	1099821	2123913YVW	14743XX	14743XX
2122103121	1011205	1011205	212299W pt.	10990 pt	10990 pt	212391W	14740	14740
2122103131	1011207	1011207	212299W pt.	10990 pt	10990 pt	212391WYWT	1474000	1474000
2122103YVW	10112XX	10112XX	212299WYWT pt	1099000 pt	1099000 pt	2123921	14751	14751
212210W	10110	10110	212299WYWT pt	1099000 pt	1099700	2123921100 pt	1475100 pt	1475101
212210WYWT	1011000	1011000	2123110	14110	14110	2123921100 pt	1475100 pt	1475103
2122211	10411	10411	2123110111	1411011	1411011	2123923	14752	14752
2122211111	1041104	1041104	2123110121	1411015	1411015	2123923111 pt	1475202 pt	1475201
2122211121	1041121	1041121	2123110221	1411019	1411019	2123923111 pt	1475202 pt	1475203
2122211131	1041123	1041123	2123110391	1411019	1411019	2123923111 pt	1475202 pt	1475205
2122211YVW	10411XX	10411XX	2123110YWT	1411000	1411000	2123923131	1475207	1475207
2122213	10412	10412	2123120	14220	14220	2123923YVW	14752XX	14752XX
2122213100	1041200	1041200	2123120100	1422000	1422000	212392W	14750	14750
2122215	10413	10413	2123120YWT	14220XX	14220XX	212392WYWT	1475000	1475000
2122215111	1041303	1041303	2123130	14230	14230	2123931	14791	14791
2122215121	1041307	1041307	2123130100	1423000	1423000	2123931100	1479100	1479100
2122215YVW	10413XX	10413XX	2123130YWT	14230XX	14230XX	2123933	14793	14793
212221W	10410	10410	2123190 pt.	14290	14290	2123933100	1479300	1479300
212221WYWT	1041000	1041000	2123190 pt.	14990 pt	14990 pt	2123935	14794	14794
2122221	10441	10441	2123190 pt.	1499A pt	14992 pt	2123935100	1479400	1479400
2122221111	1044104	1044104	2123190111	1499A22	1499200 pt	2123939	14798	14798
2122221121	1044121	1044121	2123190121	1429000	1429000	2123939100	1479800	1479800
2122221131	1044123	1044123	2123190YWT pt	14290XX	14290XX	212393W	14790	14790
2122221YVW	10441XX	10441XX	2123190YWT pt	1499000 pt	1499000 pt	212393WYWT	1479000	1479000
2122223	10442	10442	2123211	14421	14421	2123991	14996	14996
2122223100	1044200	1044200	2123211111	1442101	1442101	2123991100	1499600	1499600
2122225	10443	10443	2123211111	1442105	1442105	2123993	14997	14997
2122225111	1044303	1044303	2123211YVW	14421XX	14421XX	2123993100 pt	1499701 pt	1499712
2122225121	1044307	1044307	2123213	14422	14422	2123993100 pt	1499701 pt	1499722
2122225YVW	10443XX	10443XX	2123213111	1442201	1442201	2123995	14998	14998
212222W	10440	10440	2123213221	1442205	1442205	2123995100 pt	1499801 pt	1499812
212222WYWT	1044000	1044000	2123213YVW	14422XX	14422XX	2123995100 pt	1499801 pt	1499822
2122311	10311	10311	212321W	14420	14420	2123999	14999	14999
2122311111	1031104	1031104	212321WYWT	1442000	1442000	2123999 pt.	1499A pt	14992 pt
2122311121	1031121	1031121	2123221	14461	14461	2123999 pt.	1499A pt	14993
2122311131	1031123	1031123	2123221100	1446100	1446100	2123999 pt.	1499A pt	14994
2122311YVW	10311XX	10311XX	2123223	14465	14465	2123999 pt.	1499A pt	14995
2122313	10312	10312	2123223100	1446500	1446500	2123999 pt.	1499A pt	14995
2122313111	1031201	1031201	2123229	14469	14469	2123999 pt.	1499A pt	14995
2122313121	1031221	1031221	2123229100	1446900	1446900			
2122313YVW	10312XX	10312XX						
212231W	10310	10310						
212231WYWT	1031000	1031000						

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
2123999 pt.....	1499A pt.....	14999	2123999161	1499A05	1499905	212399W pt.....	14990 pt.....	14990 pt
2123999111	1499A10	1499100	2123999171	1499A07	1499907	212399W pt.....	14990 pt.....	14997 pt
2123999121	1499A21	1499200 pt	2123999191 pt	1499A97 pt.....	1499901	212399W pt.....	14990 pt.....	14998 pt
2123999131	1499A30	1499300	2123999191 pt	1499A97 pt.....	1499998	212399WYWT pt ...	1499000 pt.....	1499000 pt
2123999141	1499A40	1499400	2123999191 pt	1499A97 pt.....	1499998	212399WYWT pt ...	1499000 pt.....	1499700
2123999151	1499A50	1499500	2123999YVW	1499AXX	1499AXX	212399WYWT pt ...	1499000 pt.....	1499800

