

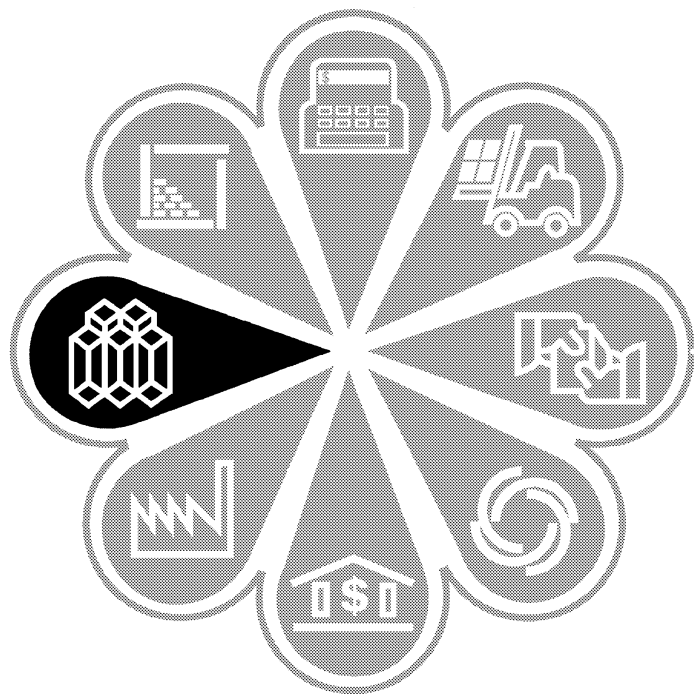
1992

Census of Mineral Industries

MIC92-S-1

SUBJECT SERIES

General Summary



Acknowledgments

Many persons participated in the various activities of the 1992 Census of Mineral Industries. The overall planning and review of the census operations were performed by the Economic Census Staff of the Economic Planning and Coordination Division.

Manufacturing and Construction Division prepared this report. **Barry A. Rappaport**, Assistant Chief for Construction and Mineral Censuses, was responsible for the overall planning, management, and coordination of the census of mineral industries. Planning and implementation were under the direction of **Patricia L. Horning**, Chief, Construction and Mineral Census Branch, assisted by **M. Susan Bucci**, Section Chief, with primary staff assistance by **Susan L. DiCola**, **Nancy I. Higgins**, **John F. Roehl**, **Eva J. Snapp**, and **Robert A. Wright**.

Brian Greenberg, Assistant Chief for Research and Methodology Programs, assisted by **Stacey Cole**, provided the mathematical and statistical techniques as well as the coverage operations.

Charles T. Lee, under the direction of **A. William Visnansky**, Chief, Special Reports Branch, performed overall coordination of the publication process. **Julius Smith, Jr.** and **Andrew W. Hait** provided primary staff assistance.

The Economic Planning and Coordination Division provided the computer processing procedures. **Shirin A. Ahmed**, Assistant Chief for Post Data Collection Processing, was responsible for editing and the analysts' interactive database review and correction system. Design and specifications were prepared under the supervision of **Dennis L. Wagner**, Chief, Post Collection Census Branch, assisted by **S. Mark Schmidt** and **Robert A. Rosati**.

The staff of the Data Preparation Division, **Judith N. Petty**, Chief, performed mailout preparation and receipt operations, clerical and analytical review activities, data keying, and geocoding review.

The Geography Division staff developed geographic coding procedures and associated computer programs.

The Economic Statistical Methods and Programming Division, **Charles P. Pautler, Jr.**, Chief, developed and coordinated the computer processing systems. **Martin S. Harahush**, Assistant Chief for Quinquennial Programs, was responsible for design and implementation of the computer systems. **Gary T. Sheridan**, Chief, Manufactures and Construction Branch, assisted by **Hugh P. Watters**, supervised the preparation of the computer programs.

Computer Services Division, **Marvin D. Raines**, Chief, performed the computer processing.

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

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

If you have any questions concerning the statistics in this report, call 301-457-4680.

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Issued September 1996



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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.

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

Policymaking agencies of the Federal Government use the data, especially in monitoring economic activity and providing assistance to business.

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 and 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.

AUTHORITY AND SCOPE

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 1992 Economic Census consists of the following eight censuses:

- Census of Retail Trade
- Census of Wholesale Trade
- Census of Service Industries
- Census of Financial, Insurance, and Real Estate Industries
- Census of Transportation, Communications, and Utilities
- Census of Manufactures
- Census of Mineral Industries
- Census of Construction Industries

Special programs also cover enterprise statistics and minority-owned and women-owned businesses. (The 1992 Census of Agriculture and 1992 Census of Governments are conducted separately.) The next economic census is scheduled to be taken in 1998 covering the year 1997.

AVAILABILITY OF THE DATA

The results of the economic census are available in printed reports for sale by the U.S. Government Printing Office and on compact discs for sale by the Census Bureau. Order forms for all types of products are available on request from Customer Services, Bureau of the Census, Washington, DC 20233-8300. A more complete description of publications being issued from this census is on the inside back cover of this document.

Census facts are also widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. Finally, State data centers in every State as well as business and industry data centers in many States also supply economic census statistics.

WHAT'S NEW IN 1992

The 1992 Economic Census covers more of the economy than any previous census. New for 1992 are data on communications, utilities, financial, insurance, and real estate, as well as coverage of more transportation industries. The economic, agriculture, and governments censuses now collectively cover nearly 98 percent of all economic activity.

Among other changes, new 1992 definitions affect the boundaries of about a third of all metropolitan areas. Also, the Survey of Women-Owned Businesses has now been expanded to include all corporations.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1963, 1958, and 1954. Prior to that time, the individual subcomponents 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 1840 and subsequent censuses to include mining and some commercial activities. In 1902, Congress established a permanent Census Bureau and directed that a census of manufactures be taken every 5 years. The 1905 Manufactures Census was the first time a census was taken apart from the regular every-10-year population census.

The first census of business was taken in 1930, covering 1929. Initially it covered retail and wholesale trade and construction industries, but it was broadened in 1933 to include some of the service trades.

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 Enterprise Statistics Program, which publishes combined data from the economic census, was made possible with the implementation of the integrated census program in 1954.

The range of industries covered in the economic censuses has continued to expand. The census of construction industries began on a regular basis in 1967, and the scope of service industries was broadened in 1967, 1977, and 1987. The census of transportation began in 1963 as a set of surveys covering travel, transportation of commodities, and trucks, but expanded in 1987 to cover business establishments in several transportation industries. For 1992, these statistics are incorporated into a broadened census of transportation, communications, and utilities. Also new for 1992 is the census of financial, insurance, and real estate industries. This is part of a gradual expansion in coverage of industries previously subjected to government regulation.

The Survey of Minority-Owned Business Enterprises was first conducted as a special project in 1969 and was incorporated into the economic census in 1972 along with the Survey of Women-Owned Businesses.

An economic census has also been taken in Puerto Rico since 1909, in the Virgin Islands of the United States and Guam since 1958, and in the Commonwealth of the Northern Mariana Islands since 1982.

Statistical reports from the 1987 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 data published since 1967 are still available for sale on microfiche from the Census Bureau.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

While the census provides complete enumerations every 5 years, there are many needs for more frequent data as well. The Census Bureau conducts a number of monthly, quarterly, and annual surveys, with the results appearing in publication series such as Current Business Reports (retail and wholesale trade and service industries), the Annual Survey of Manufactures, Current Industrial Reports, and the Quarterly Financial Report. Most of these surveys, while providing more frequent observations, yield less kind-of-business and geographic detail than the census. The County Business Patterns program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county.

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 1992 Economic Census and Related Statistics*. More information on the methodology, procedures, and history of the census will be published in the *History of the 1992 Economic Census*. Contact Customer Services for information on availability.

Census of Mineral Industries

SURVEY DESCRIPTION

In the farm-oriented economy of the early 19th century, the need for mineral statistics for setting government policy, except for tariffs and taxes, was slight. The only sources of information on the mining sector were the censuses of mineral industries, then taken at 10-year intervals. Today, the need for mining statistics has greatly increased so there is now a vast array of detailed information covering virtually every measurable aspect of mining activity including employment; payrolls; hours worked; production; prices; inventories; investment in structures; machinery and equipment; and consumption of raw materials, and fuels. The census of mineral industries, though conducted only at 5-year intervals, still plays an essential role, since no other source measures the structure of the mining sector in such a comprehensive and detailed way.

For every mining establishment with one employee or more, the census obtains data on its input of labor, materials, and capital; its output of products and services; its location; and the legal form of organization of the owning firm.¹

A set of summary or general statistics is developed for each establishment (i.e., total employment, payroll, production-worker employment, hours worked, wages, cost of supplies, value of shipments and receipts, capital expenditures, and value added by mining) and aggregated by industry, by area, by employment size of establishment, and by type of ownership. Reports are published on the detailed industrial characteristics of each State, and overall measures of mining activity are shown at the county level provided the information can be published without compromising the confidentiality of individual company data. Since census legislation guarantees confidentiality to the firms that are required to report, it is frequently necessary to suppress some aggregates.

The census of mineral industries also is used to update other indicators of economic activity, especially the national income accounts. Census data on materials consumed and product output by industry are basic to the input-output matrix developed by the Bureau of Economic Analysis for the mining sector. The Federal Reserve Board monthly

¹Since 1967, some of this information for small companies was not obtained directly, but estimated from other government records. See the discussion of coverage of establishments in Industry Classification of Establishments and Planning and Preparation.

Index of Industrial Production, a key indicator of current economic activity, relies on census industry and product data as benchmarks and weights to sum industries to higher levels of aggregation. The census also provides benchmarks for surveys conducted by other government agencies and by associations.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Structures of the standard industrial classification. The establishments in the census of mineral industries are classified according to the Standard Industrial Classification (SIC) Manual.² The SIC manual covers the entire field of economic activities, subdivided as follows:

Below the major group level, the SIC provides for three-digit groups and finally for four-digit industries. To illustrate:

Division B, Mining

Major group 10-----Metal mining
Industry group 104-----Gold and silver ores
Industry 1044-----Silver ores

The SIC was developed to classify establishments as distinguished from similar systems used to classify companies or enterprises. An establishment is defined as a single physical location engaged in one of the industry categories of the SIC.

The SIC is the responsibility of an interagency technical committee established by the Office of Management and Budget. The system is used by all Federal Government agencies engaged in the classification of establishments. Many State and local governments and business concerns also organize their own records along SIC lines in order to facilitate comparison with Federal statistics.

The first SIC manual was issued in 1939. For the mining sector, the nucleus was the set of industry classifications developed over many years for use in the census of mineral industries. A revised manual was issued for the mining industries in 1945 and, with minor modifications, used for the 1954 Census of Mineral Industries. Minor

²**Standard Industrial Classification Manual: 1987:** For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

revisions of the SIC between 1958 and 1967 introduced some four-digit industry changes, but none of them crossed three-digit group lines. Another revision of the SIC for 1972 produced additional four-digit industry changes. This revision affected 17 industries, as defined for 1967, by merging them into 6 newly defined industries. These revisions and their impact on comparability appear in the introduction, "Industry and Product Classification" of the 1972 census General Summary. The latest revision affecting comparability was issued for 1987. Appendix A of the 1987 manual notes the revisions in the four-digit industry levels between 1972 and 1987.

Structure of the SIC mining division. For the mining division, there are 4 two-digit SIC major groups (10, 12, 13, and 14), which are subdivided into 20 three-digit SIC groups (101 to 149), and further subdivided into 31 four-digit industries (1011 to 1499).

Most of the 31 mineral industries are defined in terms of specific groups of related products. In determining the boundaries of industries, it is essential that each industry comprises a group of establishments that are highly specialized in producing products that define the industry (primary products) and that a large proportion of all the products be made in establishments classified in the industry.

There are wide differences among industries in their purity; i.e., the extent to which the establishments classified in the industry:

1. Account for the total production of commodities "primary" to the industry.
2. Produce products or services "belonging" to other industries; i.e., secondary products.
3. Use similar materials or processes.

These variations are frequently construed to be shortcomings. However, these limitations in the classification structure arise from the inherent complexity of our economic system and from the variation in types of production that take place in individual establishments.

While the SIC is the basis for aggregating census data, the data collected, in turn, provide the statistical basis for periodic critical evaluation of that classification system and its revision.³

No general-purpose system of industrial classification can satisfy all users of census data. Some business users are interested primarily in a narrow range of products which they and their competitors produce. Others are involved in a wide range of products that move through the same marketing channel. Others seek data relating to the consumers of one or more types of materials. Some are

interested only in the data for highly specialized plants; others, for plants producing a "full line" of products. Those studying productivity may require data for plants using the same techniques.

The large number of SIC industries provides the analyst with the "building blocks" for making useful approximations, even if specific data cannot be developed to resolve many of these problems. A single general-purpose system of classification can only partially satisfy these diverse needs; a point is soon reached at which the adaptation of a system to better serve one use will reduce its ability (sometimes disproportionately) to serve an alternative use.

Accordingly, users of data frequently regroup detailed SIC industries differently from the two- and three-digit SIC categories. Public and private agencies also recombine the detailed classes. The four-digit industries are more susceptible to allocation to such categories than the two-digit SIC groups.

Subindustries. The Bureau of the Census frequently has further classified some of the basic four-digit SIC industries into "subindustries." Subindustries are employed where there are wide disparities in the operating ratios of the establishment in the industry because the establishment is operated as a mine only, a mine with treatment plant, a treatment plant only, or because the operated mine is underground, open pit, or a combination. This technique was used for all mining industries for editing purposes, and many were regarded as significant enough to be used for publication.

Definition of mining. The mineral industries include all establishments primarily engaged in mining. This term is used in the broad sense to include the extraction of:

1. Minerals occurring naturally.
2. Solids, such as coal and ores.
3. Liquids, such as crude petroleum.
4. Gases, such as natural gas.

The term "mining" is also used in the broad sense to include quarrying, well operation, milling (crushing, screening, washing, flotation, etc.), and other preparation and beneficiating needed to render the mineral marketable. Exploration is included as is the development of mineral properties. Services performed on a contract, fee, or other basis in the development of mineral properties are classified separately within this division.

Mining operations are classified by industry on the basis of the principal mineral produced or, if there is no production, on the basis of the principal mineral for which exploration or development work is in process. The recovery of material from culm banks, ore dumps, and other waste mineral piles is classified in the appropriate mining industry according to the mineral product recovered.

³See **Industry Classification and Sector Measures of Industrial Production** by James W. McKid, Bureau Working Paper No. 20, 1965, and **Historical Comparability of Census of Manufactures Industries, 1929-1958** by Harold T. Goldstein, Bureau of the Census Working Paper No. 9, 1959.

Mineral preparation plants are usually operated together with mines or quarries and, frequently, no separate records are maintained. All such preparation plants are included in the scope of the minerals census. Coal cleaning and sizing plants operated at mines or as separate establishments are also included. However, crushing, grinding, and other treatment of certain nonmetallic minerals at separately operated plants are included in the manufacturing industries. Contract hauling (except out of open pits in conjunction with mining) is excluded from the mineral industries.

Statistics on mining operations which are carried on as secondary activities at manufacturing establishments (such as clay pits at clay products plants) are not within the scope of this census. However, certain information on these operations has been obtained in the census of manufactures and is included in some of the industry reports and in the State reports. Wherever such inclusion occurs, it is clearly specified.

All blast furnaces; metal smelters; metal and petroleum refineries; plants manufacturing cement, brick, tile, and pottery; and plants engaged in dressing or polishing stone are classified in the manufacturing industries. Separate reports were obtained and included in the minerals census for the few ore dressing plants operated in conjunction with smelters.

SIC classifies establishments. The SIC is an establishment classification system, and the census of mineral industries is conducted on an establishment basis. That is, a company with operations at more than one location is required to submit a report for each location. On the other hand, 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 field operations and contract services, reporting was somewhat different from the "establishment" reporting basis used for other types of mining. Concerns 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 each State in which they conducted such activities. Concerns which supplied contract services for mining establishments were required to submit one report covering all such activities in the United States. Information on receipts for services, production-workers' wages and hours, was requested by State. These consolidated reports were then allocated to State establishments based on the data reported at the State level. The 1992 figures for establishments include the summation of operations for each State allocated from these nationwide reports.

The requirement that distinct lines of activity at the same location be separately reported was applied only where the establishment produced and shipped significant amounts of products classified in different SIC industries. In widely varying degrees, many mining establishments extract products that fall into different SIC industries. Generally, the amounts involved are not significant enough to warrant the

filing of separate reports, even if feasible. However, there are a number of locations at which large numbers of employees are engaged in activities defined in different industries of the SIC. Frequently, companies organize their operations and their records separately for the diverse activities and report them as separate plants. When they do not do so on their own initiative, the Bureau of the Census requests separate reports if it appears that 100 employees or more are involved in each activity. For the most part, companies have cooperated and "split out" the different activities that would otherwise significantly distort the relationship of the industry and product statistics. Frequently, however, the two groups of products cannot be distinguished sufficiently in company records to provide establishment-type reporting.

Establishments included in census of mineral industries. Since the 1967 Census of Mineral Industries, the censuses have included only establishments of companies with one paid employee or more. Prior to 1967, different criteria were used to determine if an establishment had to report in the census. In the 1963, 1958, and 1954 censuses, establishments without paid employees were excluded if any of the following three items amounted to less than \$500 for the entire year:

1. Value of products shipped and services performed for others.
2. Expenses for wages, salaries, supplies, minerals received for preparation, fuel, purchased electric energy, contract work, and purchased machinery.
3. Capital expenditures for development and exploration of mineral properties, new construction and major alterations, and new and used machinery and equipment.

In general, small establishments were excluded from the 1939 and 1929 censuses if each of three similar items amounted to less than \$2,500 and from the 1919 census if value of products was less than \$500 and expenditures for development work less than \$5,000. An output criterion of

Table A. **Percent of Mining Establishments, Value Added by Mining, and Capital Expenditures, by Employment-Size Class: 1992**

Employment-size	Percent of total		
	Mining establishments	Value added by mining	Capital expenditures
All establishments	100.0	100.0	100.0
0 to 4 employees	51.8	5.7	7.9
5 to 9 employees	16.5	4.6	4.5
10 to 19 employees	13.5	7.2	6.8
20 to 49 employees	10.8	14.5	15.2
50 to 99 employees	3.7	10.2	8.8
100 to 249 employees	2.4	17.4	17.4
250 to 499 employees . . . . .	.8	13.3	12.6
500 to 999 employees . . . . .	.3	16.9	16.0
1,000 employees or more . . . . .	.1	10.3	10.7

1,000 tons for bituminous coal and lignite was used in these three censuses. Common sand and gravel operations were excluded in 1939 if they produced less than 15,000 tons of sand and gravel and had expenses of less than \$15,000. For 1929, common sand and gravel establishments producing less than 25,000 tons were excluded. This industry was not covered in censuses prior to 1929. In earlier censuses, there were no minimums for size of establishments.

The production of minerals, particularly stone, sand, and gravel, by Federal, State, and local governments is excluded from the census. Also excluded is production of these items by highway contractors and construction contractors who do not maintain separate records for sand and gravel production.

The census includes, however, mining establishments of the same company, such as coal mines serving only coke ovens operated by the same company, oil and gas wells serving only refineries or public utilities owned by the same company, and copper mines and mills where all of the ore is transferred to a company-owned smelter.

The percent of mining establishments, value added by mining, and capital expenditures by employment-size classes are shown in table A.

In general, the 1992 minerals census reports provide complete coverage of production and development operations although there are certain limitations to coverage in some industries. These limitations are discussed in detail in the industry reports.

Special treatment of small establishments. Beginning with the 1967 census, an effort was made to relieve the very small establishments from the necessity of filing a census report. In the 1992 minerals census, small single-unit companies with up to 20 employees (the cut off varied by industry), were excused from filing reports. In 1992, 12,000 companies fell into this category. Limited data on payrolls, sales, and industry classification from the administrative records of the Social Security Administration (SSA) and the Internal Revenue Service (IRS) were made available to the Bureau of the Census. (Special arrangements were made to safeguard the confidentiality of both tax and census records.) Data other than payrolls and sales for these small establishments were imputed from industry average ratios. The effect on industry aggregates is slight in most industries; for mining as a whole, these small “administrative records” accounted for only 1.9 percent of the value added. Detailed product and materials data for these small establishments were not estimated; the entire value of product shipments and cost of materials was imputed to a “not specified by kind” category.

If these establishments had been included in the 1987 Census of Mineral Industries, they were assigned the industry classifications to which they had been coded. If they had started operations later, they were coded on the basis of brief descriptions of the general activity of the establishment as reported to the Social Security Administration. Where the description is incomplete or there are

relatively fine lines of demarcation between industries or between mining and nonmining activity, the code assigned to an establishment could differ from that which would have been assigned on the basis of more complete product information. Therefore, the Bureau of the Census conducted a special classification survey in order to clarify the industry codes of some of the establishments in the administrative-record file. All establishments without specific four-digit codes and those where there could be significant misclassification between mining and other sectors were either sent a classification questionnaire or a general schedule, Form NC-9923. Nevertheless, the total establishment counts in most industries should be viewed as approximations rather than precise measurements. The counts for establishments with 20 employees or more are far more reliable than the total number of establishments.

Auxiliary units. Mining requires a wide range of diverse support activities. These activities include general administrative; supervisory; purchasing; accounting; general engineering and systems planning; and legal, financial, and related management functions usually performed centrally for other establishments of the same company. These separate locations are referred to as auxiliaries. An auxiliary is an establishment whose employees work primarily in supporting services for other establishments of the same company (i.e., its mines, factories, retail stores, etc.) rather than for other business firms or organizations. Employment and payroll data for auxiliary units are included in the published data for the census of mineral industries.

Product codes. The SIC coding system is designed to describe industries and operates in such a way that the definitions become progressively narrower with successive additions of numerical digits. There are 4 very broad two-digit groups, 20 three-digit groups, and 31 four-digit industries. Based on the SIC, the Bureau of the Census has developed a product coding system along similar lines which contains 71 five-digit product classes and 152 individual seven-digit products. The seven-digit products and five-digit product classes are considered the primary products of the industry with the same first four digits as the product code. For example, the seven-digit product code number 10312 01 refers to lead concentrates. The first five digits of this code number, 10312, refer to the “product class” lead and zinc concentrates and the first four digits, 1031, refer to the industry in which these products were made (the lead and zinc ores industry). The same system is applied to the coding of supplies. The first four digits of a supply code (for example, the code number 101121, crude iron ore received from concentration) used as a supply describe the industry that produces it; e.g., 1011, the iron ore industry.

The SIC-based commodity classification is used in the Bureau of the Census’ entire industrial statistics program, including monthly, quarterly, and annual surveys. The Bureau of the Census also publishes data on imports and exports in terms of SIC-based categories as well as the

traditional Schedule B and Tariff Schedule of United States Annotated (TSUSA) systems.⁴

Primary and secondary products of establishments.

An establishment is classified in a particular industry if its production of the primary products of that industry exceeds in value its production of products of any other single industry. The industry code assigned to the establishment is derived from a summation of values of seven-digit product codes to their four-digit industry and the selection of the largest four-digit value as the establishment's industry classification. However, as mentioned earlier, the industry classification of an establishment may be determined not only by the products it makes but also by the processes employed or materials used in making those products.

While some establishments produce only the primary products of the industry in which they are classified, it rarely happens that all the establishments in any industry specialize to this extent. Therefore, the general statistics (employment, payrolls, inventories, value added by mining, total value of shipments and receipts, capital expenditures, etc.) shown for an industry (tables 1 to 4 of the industry reports) encompass not only the primary activities of the establishments in that industry but also their secondary activities. On the other hand, the product statistics in table 6 of the industry reports measure the total output of specific products whether they are produced by establishments classified in the same industry as the product or not. For this reason, in relating the general statistics of an industry, especially the industry total value of shipments (industry reports, tables 1 to 4), to the product statistics (table 6), the composition of the industry's output as shown in table 5 should be considered.

GEOGRAPHIC CLASSIFICATION

The 1992 Census of Mineral Industries measures industrial activity at the National, State, and county levels. Prior to 1977, similar information was summarized for the traditional nine geographic divisions (e.g., New England, Middle Atlantic, etc.) and the four geographic regions (Northeast, South, Middle Atlantic, and West).

The presentation of data for individual industries and industry groups at all these geographic levels has always created serious problems in protecting the confidentiality of individual company data. Consequently, it has frequently been necessary to set priorities as to what will be published. In the past, the preference was given to publishing data for the broad geographic regions over States leading to greater suppression of industry detail at the State level. There has been increasing interest in State information in preference to the broader regions. As a result, since 1977 the censuses of mineral industries has given first precedence to publishing State figures. A decision also was

⁴Schedule B is the U.S. export classification, while TSUSA is applied to imports.

made to forgo publication of any divisional and regional totals. This was desirable to avoid suppressing industry detail that could have been published in one State to protect data for another State in the same division that had to be suppressed to preserve the confidentiality of a respondent's figures.

Table B. Value Added by Mining for States: 1992

Geographic area	Value added (million dollars)	Percent
United States	113 621.3	100
Alabama	1 525.7	1.3
Alaska	8 522.0	7.5
Arizona	1 821.9	1.6
Arkansas	461.4	.4
California	6 038.8	5.3
Colorado	2 407.9	2.1
Connecticut	79.7	.1
Delaware and District of Columbia ..	7.3	(V)
Florida	979.9	.9
Georgia	804.9	.7
Hawaii	27.3	(V)
Idaho	203.1	.2
Illinois	1 999.9	1.8
Indiana	825.6	.7
Iowa	153.4	.1
Kansas	2 290.0	2.0
Kentucky	3 687.8	3.2
Louisiana	14 834.6	13.1
Maine	5.0	(V)
Maryland	201.3	.2
Massachusetts	69.7	.1
Michigan	1 675.9	1.5
Minnesota	748.5	.7
Mississippi	643.6	.6
Missouri	470.5	.4
Montana	1 100.0	1.0
Nebraska	136.8	.1
Nevada	1 968.3	1.7
New Hampshire	25.3	(V)
New Jersey	199.1	.2
New Mexico	3 955.1	3.5
New York	476.6	.4
North Carolina	322.2	.3
North Dakota	859.9	.8
Ohio	1 453.9	1.3
Oklahoma	6 406.9	5.6
Oregon	105.3	.1
Pennsylvania	2 344.7	2.1
Rhode Island	12.1	(V)
South Carolina	177.5	.2
South Dakota	213.1	.2
Tennessee	348.3	.3
Texas	26 192.6	23.1
Utah	1 755.4	1.5
Vermont	77.7	.1
Virginia	1 601.8	1.4
Washington	310.5	.3
West Virginia	4 212.4	3.7
Wisconsin	251.2	.2
Wyoming	5 965.6	5.3
Offshore areas not associated with a State	2663.0	2.3

(V) Rounds to zero.

Thus, some summary tables for the nine geographic divisions and four regions that were published prior to the 1977 censuses, do not appear in the publications of the 1992 Census of Mineral Industries. The relative importance of mining among the States is shown in table B.

PLANNING AND PREPARATION

General. The Bureau of the Census has an obligation to meet public needs for timely and reliable information while holding costs and the burden on respondents to a minimum. During the planning stages of each economic census, the advice of trade and professional associations, Federal and State Government agencies, individual companies, labor unions, and research and educational organizations is sought in an effort to reach both the users of data and the respondents who supply the basic figures. Simultaneously, the problems encountered in the previous censuses are studied; and improved methods of collection, processing, and tabulation are explored.

Mailing lists. Beginning with the 1954 economic censuses, the basic mailing lists have been obtained from IRS and SSA records. After the 1963 censuses, feasibility studies indicated that greater use could be made of the data in the IRS-SSA records. In the 1992 census, approximately 12,000 small mining firms were exempted from the filing requirement. Instead, census-type statistics for this group were developed from IRS-SSA records. IRS and SSA information was obtained under provisions of the Internal Revenue Code as amended by the Tax Reform Act of 1976. (Before that, Internal Revenue Service records were available through a series of executive orders.) In close cooperation with IRS and SSA, specific procedures for the use of individual tax returns were developed that assured confidential treatment of them. The name, address, payroll, and general business receipts were obtained from these reports, in addition to the SIC industrial activity code assigned by SSA. The Census Bureau and the Bureau of Labor Statistics signed a memorandum of understanding in April 1991 which spelled out procedures that allowed census access to certain standard industrial classification information collected under Bureau of Labor Statistics sponsorship. The agreement's purpose was to assist the Census Bureau in improving the coverage and accuracy of its business classifications by matching those classifications with those in the Bureau of Labor Statistics' Business Establishment List. Other census statistics for these small firms were imputed using industry average ratios of the data item to payrolls and sales.⁵

Planning the content of questionnaires. As in previous censuses, the content of the 1992 questionnaires was developed in consultation with a large number of organizations and individuals, representing both the mineral

concerns who supply the data and those who use the statistics. Those consulted included Government agencies, individual firms, the American Statistical Association, the American Economic Association, and all mining associations covering specific industries.

Many individual mining companies and their trade associations were consulted about the content of the sections of the report forms dealing with the output of specific products. Drafts of the proposed 1992 report forms were circulated among trade associations and mining companies. These draft report forms included new product detail reflecting suggestions received by the Bureau of the Census after the 1987 canvass. Items whose total value was \$10 million or less were not retained separately in the list unless they were needed to assure correct classification of other products or were of strategic importance. A restriction was also placed on proposals for new product detail; it was stipulated that the 1992 value of any new product category should exceed \$25 million.

The mining operations were requested to comment specifically on the availability of the data requested in their records and the appropriateness of the product descriptions and units of measure.

The many comments and suggestions received in this clearance procedure were evaluated by the census staff. A detailed account of the clearance procedure and the decisions reached was forwarded to the Office of Management and Budget, along with the report forms developed by the Bureau of the Census as a result.

A final review was made by the Office of Management and Budget with the assistance of the Advisory Council on Federal Reports. The latter organization is a group of business executives such as controllers, economists, and market research directors, representing a cross section of all industries.

REPORTING FORMS

A representative selection of the reporting forms used in the census are discussed below.⁶

General forms. This group of forms was used in the economic censuses, either as company-wide reports or as reports for establishments whose classification was not known precisely in advance of mailing.

NC-9901, Report of Organization. This company-wide report was used prior to mailing the 1992 census questionnaires to develop the directory of establishments operated by multiunit companies. A more detailed account of their use is given under Mailing Lists.

NC-9926, Classification Report. This form went only to small manufacturing and mineral industry single-establishment companies to obtain specific classification codes needed to identify each establishment's activity.

⁶Samples of general forms and mineral industry forms are reproduced in appendix E.

⁵Imputation was only about 2 percent of overall totals.

NC-9923, General Schedule. This questionnaire was designed to obtain information from single-establishment companies for which the available industry code was not sufficient enough to indicate which one of the standard census questionnaires should be mailed. The information provided on form NC-9923 helped assign the industry necessary for either mailing the appropriate 1992 questionnaires to establishments, if they were large, or for classifying and tabulating administrative-record data in the appropriate census.⁷

ES-9200, Auxiliary Establishment Report—Many multiestablishment companies maintain separate establishments to provide centralized administrative, management, or other supporting services for other establishments of the same company, but not for the general public or other companies. They were asked to complete form ES-9200 for those establishments. The form contained questions on the approximate number of employees engaged in such functions as centralized administration, research and development, warehousing, and other auxiliary activities, and on the cost of research and development work performed by these nonmining establishments. The respondent also was asked to describe the industry activity of the operating establishments serviced by the auxiliary unit reporting on form ES-9200.

ES-9100, Enterprise Summary Report. Each large multiestablishment company received a form ES-9100, in addition to a specific questionnaire for each establishment. The ES-9100 requested consolidated company totals for receipts, new capital expenditures, inventories, and fixed assets, which are published as part of the Census Bureau's Enterprise Statistics Program.

Census of mineral industries forms and instruction manuals. The questionnaire and instructions reproduced in the appendix, form MC-1403, is typical of the 10 long forms used for operating mining establishments. Each of these forms was designed to be used for a specific group of industries. The inquiries on the 10 long forms were identical except for the detailed questions on products shipped, materials used, assets for oil and gas extraction industries, and miscellaneous topics such as operations performed and metal contents of complex ores.

Short form. The oil and gas extraction and stone and sand and gravel industries include a large number of small-to-medium sized firms that account for a significant portion of the industry's output. Usually these firms are not so small that the limited data in the administrative-record files would meet the needs of the census. To obtain sufficient data, yet hold the reporting burden down for these smaller firms, a special abbreviated short form was designed. Key input and output statistics were obtained without the detail requested on the standard form.

⁷Use of form NC-9923 is also discussed in Mailing Lists.

MAILING LISTS

General. As discussed in the Planning and Preparation section, the list of respondents for 1992 was obtained from IRS-SSA records. Since the IRS-SSA lists consist essentially of the names and addresses of companies rather than establishments,⁸ it was necessary to follow separate procedures for multiestablishment companies (those operating at more than one location).

The prec canvass. Multiestablishment companies were required to file at least one establishment report⁹ covering each location operated by multiestablishment companies. The Bureau of the Census conducts an annual update of its directory of establishments operated by large companies in which "Report of Organization" (form NC-9901) is mailed each year to known multiestablishments with 50 or more employees and to a rotating sample of smaller multiestablishment companies with fewer than 50 employees.

This form consists of a report on company affiliation and a list of the domestic establishments operated by the company. The company's establishments as identified in census records are prelisted and the respondents are asked to correct this list. They are also asked to describe new establishments not prelisted and indicate their size.

Large multiestablishment companies are segregated for special handling because of possible overlap and duplication. Many of these companies are active in manufacturing, retail, and wholesale trade as well as in mining. The reporting instructions are reviewed in discussions with officials of the accounting departments of many of these firms to make certain that the procedure is understood and the establishments are properly described on form NC-9901.

Single-establishment companies. The mailing lists for single establishment companies (those operating at only one location) were developed from an initial control file assembled from IRS and SSA records. Out-of-scope companies (those whose activities were not to be surveyed in the economic censuses) and those identified as multiestablishments in the multiestablishment directory were removed.

The final step was to identify the small companies to which forms were not to be mailed because census-type statistics were to be developed from administrative records. The remaining records constituted the mailing lists for single-establishment companies.

⁸SSA records for multiestablishment companies identify "reporting units," which, in many instances, correspond to census establishments. Differences are such, however, that it was found necessary to obtain up-to-date lists of establishments as described in this section. Also, the Bureau of the Census concept of a company differs from IRS-SSA definition, since the Census company includes all establishments under common ownership or control. In IRS-SSA records, subsidiary corporations are often treated as independent companies.

⁹If two or more distinct lines of activity were carried on at one location, separate reports were obtained under some circumstances. (For a complete discussion, see SIC Classification of Establishments.)

General schedule. While these lists generally contained adequate industry information to determine the proper form for mailing, a number of the records did not have precise industry information. Form NC-9923, General Schedule, was mailed to these companies. Since it was assumed that these companies were quite small, only the dollar volume of business was requested. The completed reports were coded and included in the tabulations. If form NC-9923 indicated that the company was actually large, it was later requested to file one or more of the appropriate standard questionnaires.

COVERAGE AND ACCURACY

Since the list of companies obtained from IRS and SSA records was considered to be complete, no field coverage check was conducted. The prec canvass and other special procedures for multiestablishment companies described in Mailing Lists and Data Collection were designed to secure complete lists of establishments, thereby amplifying the IRS-SSA company list. Control totals, in terms of employment and payrolls of multiestablishment companies, also were used to verify the completeness of establishment coverage.

Comparison of statistics tabulated from the census of mineral industries with data originating with other agencies was possible in many instances, thus providing a further confirmation of completeness and accuracy. In the industry reports, differences between the census of mineral industries and other statistics are explained wherever possible. The Bureau of the Census' other procedures designed to improve the accuracy of the census data are discussed below in the items of data collection and processing.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required in order to tabulate the minerals census data by State and county. Prior to the census, the mailing address information was matched by computer to geographic reference files in order to assign geographic codes. Computer file flags were assigned to indicate how confident we were of the codes assigned. Large establishments with low confidence codes were researched clerically.

As in previous censuses, a post office box address or ZIP Code of the establishment was not accepted as defining the physical location. Respondents were requested to check the address labels on the questionnaires and if incorrect or with a nonphysical location address (such as post office box) to provide the following information; street address, place (post office name), State abbreviation, ZIP Code, county name, type place, and whether the establishment was located inside or outside the legal boundaries of the place. Any changes and corrections that were returned were noted and geographically coded accordingly.

Because of the unique establishment definitions in mineral industries and the rural locations of mining establishments in general, geographic coding is particularly difficult. In these cases, the name or number of the nearest highway and the distance from the nearest town or urban place was reported.

DATA COLLECTION

Although the greater use of administrative records in 1992 substantially reduced the number of companies canvassed directly, there remained over 16,000 mineral operations that were required to file; small mineral operators for whom the administrative records sufficed numbered about 12,000. The assembly of several hundred different questionnaires into mailing packages was an extensive operation.

Most of the 1992 questionnaires were mailed by late December 1992, with a due date of February 15, 1993. The collection phase was completed by late October 1993. Companies which did not return their questionnaires by the due date had to be reminded that their returns were overdue. In all, there were four mail followups. Telephone calls were made to the large companies to help with reporting problems and to request that the forms be completed and returned.

Estimates based on data from administrative records were included in the census tabulations for the relatively small number that had not responded by the closeout date in October 1993. Thus, reported or estimated data for all companies and establishments in the original mailing list (except those determined to be inactive during 1992) were included in the final statistical results. A special effort was made to obtain actual returns from all large firms, so that the dollar volume of business represented by proxy returns was relatively small.

DATA PROCESSING

General. The editing,¹⁰ coding, and tabulation of data for all of the establishments represented in the 1992 economic census were complicated tasks. Automated data processing and other advanced techniques were used in all phases.

The questionnaires were mailed from and returned to the Bureau of the Census office at Jeffersonville, Indiana, where most noncomputer (that is, clerical) processing operations were performed. Data were placed on a key-to-disc system, and the encoded data sent to Washington on a high-speed transmission system. The Washington, DC staff handled computer operations and all operations in connection with the use of IRS and SSA records.

¹⁰In data processing, the term editing means the review of information collected on questionnaires or from other sources, with the objective of locating and correcting erroneous entries.

Preliminary processing. After they were checked in, the questionnaires were keyed and subjected to simple edits to see that they conformed to certain minimum requirements before further processing. For multiestablishment companies, the sums of employment and payroll reported on its establishment questionnaire were compared with the control totals received on IRS form 941. Questionnaires received from single-establishment firms were reviewed to ascertain whether they had become multiestablishments through merger or acquisition. Questions arising in these operations were resolved by writing or telephoning the respondents. Complex problems were referred to the Washington, DC professional staff.

Computer editing. The review for consistency among data items and completeness was done on the computer. Average values and tolerance limits for key operating ratios (for example, cost of supplies per dollar of shipments, payroll per employee, production-worker wages per hours worked, etc.) played a fundamental role in the editing process.

A detailed description of the step-by-step processing procedures appears in the Bureau of the Census publication, *History of the 1992 Economic Census*. This volume describes the procedures followed in both the centralized overall processing and in the individual censuses such as mineral industries.

ESTABLISHMENTS DURING THE YEAR AND AT THE END OF THE YEAR

The establishment data shown as "Establishments during year" in the tables represent all establishments of companies with one paid employee or more that have production, development, or exploration activities at any time during the year. Also included are separately operated auxiliary establishments. Of the approximately 30,800 establishments with such activities during the year, approximately 30,450 or 99 percent of them were also operating at the end of the year.

EMPLOYMENT AND PAYROLL IN AUXILIARIES

Employment, payroll, and establishment counts of auxiliaries are included in all tables of the census of mineral industries. Table 7 in chapter 1 and table 4 in chapter 2 of this report show employment and payroll data separately by industries and States.

SUPPLIES CONSUMED

Every establishment was requested to report the total cost of supplies. In addition, quantity and all cost information were collected for approximately 45 specific supplies. Supplies were generally collected only in those industries in which the supplies were important inputs. Detailed

consumption information was collected in item 17A of the questionnaire, the standard supplies inquiry. The resulting statistics are presented mainly in table 7a of the industry reports.

In using the detailed data on supplies consumed, the following limitations should be noted:

1. Supplies were reported for the establishment as a whole, and no attempt was made to ascertain how much of the material was used in each of various products. Thus, the industry total for supplies appearing in tables 7a of the industry reports includes consumption in secondary products as well as primary products of the industry. The extent of secondary production in each industry is shown in table 5, chapter 1 of this report.
2. Special attention should be paid to the codes ending in "000" and captioned "Undistributed minerals, purchased machinery, parts, attachments and supplies used." The amounts appearing on these lines are totals imputed for:
 - a. Establishments whose statistics were developed from administrative records.
 - b. Establishments whose reports were not received at the time the data were tabulated.
 - c. Totals for establishments that returned report forms but failed to report their consumption in specific terms.

Thus, for most industries, the data for specific supplies are understated. A judgement on the statistical significance of the understatement may be made from the ratio of the value shown for the "not specified by kind" data to the total of selected supplies, minerals received for preparation, and purchased machinery installed for the industry.

1. Establishments consuming less than a specified amount of a supply were not requested to report consumption of the supply separately. For the majority of individual supplies, the minimum amount was \$25,000. The use of this cutoff is not believed to have had a significant effect on the totals.
2. A total of "not elsewhere classified" (n.e.c.), supply code 970099, was collected on most forms and is published for each industry. This is the total cost of supplies for an industry for which no supply items were prelisted on the form.

VALUE OF SHIPMENTS AND RECEIPTS

Value of shipments of multiestablishment companies. Respondents were instructed to report net selling values, f.o.b. mine, well, or plant, after discounts and allowances and excluding freight charges and excise and sales taxes. Multiestablishment companies were instructed to report for each establishment as if it were a separate economic unit

and, in particular, to report interplant transfers at their full economic value. Full economic value is defined as not only the cost of production but also a reasonable proportion of company overhead and profits. Generally, there is no advertising or other selling cost assigned by companies to interplant transfers, so it would be expected that the value per unit of such transfers would be less than that for commercial sales. To assure consistency in the valuation as the interplant transfer moved through the company, the plant receiving the transferred goods was instructed to include them in its cost of materials at the same value as at the shipping point plus the cost of freight and other handling charges.

Individual products. In the 1992 census program, information was collected on the output of 152 individual product items.¹¹ A “product,” as used in the census of mineral industries, is the finest level of detail for which output information was requested. It is not necessarily synonymous with the term “product” as used in the marketing sense. In some cases, it may be much more detailed, and in other cases, it is more aggregative. If detailed production figures are available from other government sources or reliable private surveys, it was not considered necessary to request extensive detail in the census. Frequently, large aggregative values at the products level indicated that detailed production figures were available from other statistical programs.

Typically, both quantity and value of shipments were collected. However, physical quantity measures are not meaningful for some product lines, and for these, only value of shipments was collected. If a product was used to a large degree in the fabrication of other products within the same establishment in which it was produced, total quantities produced and often the quantities consumed were collected. Information on production, as well as shipments, was also collected for products for which there are significant differences between the two in a given year.

Classes of products. The individual products were aggregated into classes of products which were, in turn, grouped into all primary products of each industry. In the code structure, a seven-digit number is assigned to the individual product, a five-digit code to the class of product, and a four-digit code to the total primary products in an industry. (See Industry Classification of Establishments for application of coding structure to the assignment of SIC codes for establishments.)

The 152 product items in the 1992 census were grouped into 71 separate product classes. General similarity was the basis for the product class combinations within each four-digit industry; i.e., kind or use of the products. The economic significance of the class was also taken into

account; residual products of an industry were grouped when the dollar value of the products did not warrant separate classes.

Effect of use of administrative records on product data. As noted elsewhere in this Introduction, approximately 12,000 small mining companies were not mailed report forms and most of their detail was imputed based on limited information in IRS and SSA administrative records used in conjunction with industry averages and other information. All of the value of products of these small establishments were coded only to the four-digit products of the industry in which they were classified. These product shipments are uniquely identified in table 6 of the industry reports. Also included are product shipments of reporting companies that were described too generally to code below the four-digit level. Frequently, these were residuals in the company’s records which the company felt it could not further break down.

One factor tends to reduce the value of products, n.s.k., attributed to administrative-record companies. In some four-digit industries, there is only one product category (an example is Industry 1422, Crushed and Broken Limestone). Administrative-record estimates for these products were treated as specific information and not published as “n.s.k.”

In using the data for the specific seven-digit products shown in table 6 of the industry reports, the importance of the “n.s.k.” has to be considered. The shipments of individual products tend to be understated somewhat in proportion to the size of the “n.s.k.” Census-to-census comparison of seven-digit products should be made with caution if there has been a significant increase or decrease in the importance of the “n.s.k.”

VALUE ADDED BY MINING

Value added is computed by subtracting the cost of supplies, purchased fuels and electric energy, contract work, purchased machinery installed, and minerals received from other establishments and used in mineral production from the value of shipments and receipts plus capital expenditures. This measure avoids the duplication in the value of shipments and receipts that results from the use of products of some establishments as supplies, energy sources, or materials by other establishments. Moreover, it provides a measure of value added in mineral production and also in the development of mineral properties. For these reasons, it is considered to be the best value measure for comparing the relative economic importance of mining among industries and geographic areas.

“Value of shipments and receipts,” used in this calculation, includes the shipments of all products of the mining establishment, together with receipts for work done for others. “Capital expenditures” includes expenditures for development of mineral properties as well as for new construction and major alterations of preparation plants

¹¹See 1992 Census of Manufactures and Census of Mineral Industries, MC92-R-1, **Numerical List of Manufactured and Mineral Products.**

and other structures and expenditures for new and used machinery and equipment. The “costs” used in this calculation include costs charged to both the current and capital accounts. Both the shipments and costs figures include products bought and resold in the same condition.

CAPITAL EXPENDITURES AND GROSS ASSETS

Capital expenditures. Under this heading, mining establishments were instructed to report expenditures of the type chargeable to fixed assets accounts for which depreciation reserves are normally maintained. Actual capital outlays during the year were requested, not the final value of equipment put in place or structures completed during the year. Included in such expenditures totals are expenditures for development and exploration of mineral properties. Excluded are cost of maintenance and repair charged to current operating expense, and cost of land and mineral rights.

The Bureau of the Census estimates of capital expenditures tend to be lower than those published by the Bureau of Economic Analysis. The major source of difference results in the scope of the two series. Census data relate only to mining establishments, whereas the BEA-SEC series relating to mining includes all establishments of mining companies, nonmining as well as mining, but excludes mining establishments of companies that they have classified as chiefly nonmining.

Gross value of fixed assets. In addition to reporting capital expenditures during the year, assets data were collected on buildings, other structures, machinery, equipment, capitalized mineral exploration and development, and mineral land and rights for which depreciation, amortization, or depletion accounts are maintained, along with depreciation and/or depletion and retirements during the year. As the Census capital expenditure series differs from the BEA series, the Census gross asset series will differ from similar series based on company level reports; i.e., those appearing in the IRS *Statistics of Income* and the Bureau of the Census *Quarterly Financial Report of Corporations*. (See appendix A for more complete definition of terms.)

INVENTORIES

The value of end-of-year inventories held by each mining establishment was obtained for 1991 and 1992. For the majority of the mineral industries, separate information was requested for:

1. Mined or quarried products.
2. Supplies, parts, fuels, etc.

A measure of the changes in mined or quarried product inventories from the beginning to the end of each year is essential to the conversion of value of shipments during the

year to value of production. The ratios of inventories to shipments at different times also are used in analysis of trends and business-cycle movements. For the best use of all of these measures, the inventories should be valued in the same prices as the shipments are valued.

Beginning in the 1982 Census of Mineral Industries, all respondents were requested to report their inventories at (the lower of) cost or market prior to adjustment to LIFO cost. This is a change from the 1977 census when respondents were permitted to value their inventories using any generally accepted accounting method.

In using inventory data by stage of production for all industries at the industry level, it should be noted that an item treated as a mined or quarried product by an establishment in one industry may be reported as a raw material by another establishment in a different industry. Such differences are present in the inventory figures by stage of production shown for individual industries, industry groups, and “all mining” which are merely aggregates of figures reported by establishments in specified industries.

CONFIDENTIALITY

The Bureau of the Census is prohibited by law from publishing any statistics that disclose information reported by individual companies. However, the number of companies classified in a given industry is not considered a disclosure, so this item may be given even though other information is withheld. In suppressing figures to avoid disclosing information of individual companies, individual States are given precedence over geographic regions and divisions. This change was initiated in 1977. In prior censuses, the large geographic areas were given precedence. As a result of this change in philosophy, it has become more difficult to produce industry detail for the larger geographic areas, and data for these areas are no longer published. States are given precedence over counties.

In tables showing industry detail, major industry group (two-digit totals take precedence over industry group (three-digit) totals which, in turn, take precedence over individual (four-digit) industries. Similarly, in product tables, four-digit product groupings take precedence over five-digit product classes and the latter over individual seven-digit products.

Such order of precedence was used because:

1. It was considered preferable to show State data for an industry, even at the cost of withholding data for a region. In recent years, there seemed to be more need for and use of data for individual States than for the larger regions especially since many regional development programs encompassed clusters of States different from the standard regions and divisions.
2. By giving preference to industry-group statistics over individual industries within each State, the extent to which individual States can be compared within the SIC industry classification framework is greatly increased.

The disclosure analysis for the State statistics in the tables of this report is based on the total value of shipments and receipts and capital expenditures. Whenever the total value of shipments and receipts cannot be shown without disclosing information for individual companies, the complete line has been suppressed, except for capital expenditures. If capital expenditures alone is a disclosure, only total capital expenditures and cost of supplies statistics are suppressed. However, the suppressed data are included in higher level totals.

SPECIAL TABULATIONS

Special tabulations of data collected in the 1992 Census of Mineral Industries may be requested. The data will be in summary form and 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) as are 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, Manufacturing and Construction Division, Bureau of the Census, Washington, DC 20233-6901.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

–	Represents zero.
(D)	Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
(NA)	Not available.
(NC)	Not comparable.
(S)	Withheld because estimate did not meet publication standards.
(X)	Not applicable.
(Z)	Less than half the unit shown.
n.e.c.	Not elsewhere classified.
n.s.k.	Not specified by kind.
r	Revised.
SIC	Standard Industrial Classification.

Other abbreviations, such as lb, gal, yd, and bbl, are used in the customary sense.

CONTACTS FOR DATA USERS

Subject Area	Contact	Phone
Mineral industries—5-year industry and product statistics	Construction and Mineral Census Branch Manufacturing and Construction Division Bureau of the Census	301-457-4680
Mineral Industries—Coal and oil and gas production	National Energy Information Center (NEIC) Department of Energy	202-586-8800
To order any Census Bureau publication	Customer Services Bureau of the Census	301-457-4100
Import/Export statistics	Foreign Trade Division Bureau of the Census	301-457-3041

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Table 1-1a. Historical Statistics by Major Group: 1992 and Earlier Census Years

[Data in this table are comparable to those published in table 1 of the industry series which has historical data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Year ¹	Companies (number)	Establishments during year		All employees		Production, development, and exploration workers			Value added by mining (million dollars)	Cost of supplies used, purchased machinery installed, etc. (million dollars)	Value of shipments and receipts (million dollars)	Capital expenditures (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
ALL INDUSTRIES												
1992 Census ¹	23 207	30 787	5 600	638.2	24 198.6	415.4	876.3	13 832.6	113 621.3	65 652.9	162 095.4	17 178.8
1987 Census ¹	25 218	33 617	6 299	698.1	21 739.1	451.1	942.2	12 443.2	110 959.1	62 423.4	157 964.3	15 418.2
1982 Census ¹	(NA)	42 241	(NA)	1 113.6	28 637.5	762.2	1 577.9	18 030.1	188 055.0	109 697.4	249 999.6	47 752.8
1977 Census ¹	(NA)	31 359	6 632	798.8	13 166.8	592.8	1 183.3	9 082.3	68 013.1	46 079.4	96 374.7	17 718.0
1972 Census ¹	(NA)	25 269	5 312	595.1	6 225.5	442.9	909.0	4 250.2	26 470.6	14 884.0	36 318.6	5 035.9
1967 Census ¹	(NA)	28 579	5 682	567.3	4 186.8	432.6	892.0	2 888.2	19 330.2	10 576.2	² 22 783.6	4 057.8
1963 Census	(NA)	38 651	5 499	615.6	3 742.5	481.5	973.0	2 679.5	15 910.0	8 974.0	² 18 804.4	3 263.6
1958 Census	(NA)	36 392	6 045	733.9	3 749.0	565.4	1 080.5	2 623.0	13 385.2	7 521.0	² 16 373.1	2 804.1
MAJOR GROUP 10, METAL MINING												
1992 Census ¹	579	1 023	273	52.9	2 110.9	42.0	88.4	1 540.2	6 724.0	4 720.2	9 864.4	1 579.8
1987 Census ¹	639	1 027	260	44.1	1 353.5	33.7	67.8	952.0	4 609.5	3 141.2	6 851.6	899.1
1982 Census ¹	(NA)	1 434	(NA)	68.1	1 860.3	46.8	89.7	1 222.2	3 214.4	3 233.7	5 287.2	1 160.9
1977 Census ¹	(NA)	1 206	328	87.6	1 485.4	64.6	128.6	1 032.0	3 503.9	3 005.2	5 369.4	1 139.8
1972 Census ¹	(NA)	1 014	285	80.8	852.9	62.9	126.7	621.7	2 381.6	1 535.3	3 515.4	401.5
1967 Census ¹	(NA)	1 155	318	70.9	552.4	55.4	113.9	396.1	1 556.6	1 079.4	2 296.2	339.8
1963 Census	(NA)	1 614	298	77.2	515.2	62.2	125.7	383.7	1 418.2	941.0	2 128.2	230.9
1958 Census	(NA)	2 351	386	91.6	486.2	70.8	136.2	355.0	1 180.2	861.1	1 826.2	215.1
MAJOR GROUP 12, COAL MINING												
1992 Census ¹	2 175	3 069	1 238	134.5	5 461.4	108.3	227.3	4 205.4	17 252.4	11 824.5	27 134.1	1 942.8
1987 Census ¹	2 914	3 905	1 418	163.4	5 567.0	128.7	259.3	4 251.4	17 067.9	10 552.5	25 955.2	1 665.2
1982 Census ¹	(NA)	5 087	(NA)	251.2	6 805.3	201.3	386.0	5 244.9	18 631.0	13 145.5	28 554.0	3 222.5
1977 Census ¹	(NA)	5 451	1 733	245.3	4 170.8	206.8	373.2	3 343.9	11 266.3	8 493.1	16 935.7	2 823.8
1972 Census ¹	(NA)	3 595	1 169	159.6	1 777.6	136.0	269.1	1 466.3	3 753.8	2 474.0	5 524.2	703.6
1967 Census ¹	(NA)	4 484	1 125	131.6	967.3	115.1	224.0	811.8	2 091.3	1 350.1	3 100.6	340.7
1963 Census	(NA)	7 374	1 269	145.6	821.1	128.9	237.1	700.8	1 727.2	1 139.2	2 632.9	233.4
1958 Census	(NA)	8 188	1 534	210.7	1 008.5	183.7	299.0	841.5	1 780.2	1 180.8	2 756.0	205.1
MAJOR GROUP 13, OIL AND GAS EXTRACTION												
1992 Census ¹	16 765	20 891	2 703	344.9	13 396.7	188.2	394.5	5 939.4	80 016.4	44 025.2	111 522.7	12 518.9
1987 Census ¹	17 875	22 910	3 167	377.9	11 960.5	206.2	437.2	5 283.3	80 048.8	44 031.7	112 363.0	11 717.4
1982 Census ¹	(NA)	29 974	(NA)	684.5	17 693.3	434.0	938.6	10 033.0	159 936.6	89 369.6	207 090.7	42 215.5
1977 Census ¹	(NA)	18 447	3 128	349.2	5 901.5	230.8	492.6	3 559.9	48 587.0	31 694.5	67 337.7	12 943.8
1972 Census ¹	(NA)	14 498	2 393	240.6	2 525.0	154.2	318.7	1 393.4	17 612.1	9 471.1	23 627.2	3 456.1
1967 Census ¹	(NA)	16 358	2 681	244.9	1 855.1	167.2	346.5	1 091.4	13 394.3	7 066.2	17 455.9	3 004.6
1963 Census	(NA)	21 242	2 448	271.5	1 744.7	192.0	397.3	1 093.0	11 019.8	6 044.4	14 512.5	2 551.7
1958 Census	(NA)	18 522	2 691	312.9	1 700.7	214.0	440.3	1 011.2	9 032.5	4 799.5	11 637.9	2 194.0
MAJOR GROUP 14, NONMETALLIC MINERALS, EXCEPT FUELS												
1992 Census ¹	3 828	5 804	1 386	105.9	3 229.6	76.8	166.2	2 147.7	9 628.5	5 083.0	13 574.1	1 137.3
1987 Census ¹	3 975	5 775	1 454	112.7	2 858.0	82.5	177.9	1 956.4	9 232.9	4 698.0	12 794.5	1 136.4
1982 Census ¹	(NA)	5 746	(NA)	109.8	2 278.5	80.1	163.5	1 529.9	6 273.0	3 948.6	9 067.7	1 153.9
1977 Census ¹	(NA)	6 255	1 443	116.9	1 609.0	90.6	188.8	1 146.4	4 655.9	2 886.7	6 731.9	810.7
1972 Census ¹	(NA)	6 162	1 465	114.2	1 070.0	89.4	194.7	768.7	2 723.0	1 403.6	3 651.7	474.8
1967 Census ¹	(NA)	6 582	1 559	119.9	812.0	94.8	207.6	588.9	2 288.0	1 080.7	2 996.0	372.7
1963 Census	(NA)	8 421	1 486	121.2	661.5	98.4	212.8	502.0	1 744.8	849.7	2 346.9	247.5
1958 Census	(NA)	7 323	1 436	118.6	553.5	96.8	204.9	415.0	1 391.5	679.5	1 881.1	189.8

¹Beginning with 1967, data for single-establishment companies without paid employees were excluded from the census.

²Represents net value of shipments and receipts.

³Includes gross shipments for ferroalloy ores and metallic ores, n.e.c. In 1963, the difference between gross and net shipments for these industries was about \$7.6 million.

Table 1-1b. Statistics by Industry Groups and Industries: 1992 and 1987

[Data in this table are comparable to those published in table 1 of the industry series which has historical data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry group, industry, and census year	Companies (number)	Establishments during year			All employees		Production, development, and exploration workers			Value added by mining (million dollars)	Cost of supplies used, purchased machinery installed, etc. (million dollars)	Value of shipments and receipts (million dollars)	Capital expenditures (million dollars)
			Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
	All Industries	1992.. 23 207 1987.. 25 218	30 787 33 617	5 600 6 299	638.2 698.1	24 198.6 21 739.1	415.4 451.1	876.3 942.2	13 832.6 12 443.2	113 621.3 110 959.1	65 652.9 62 423.4	162 095.4 157 964.3	17 178.8 15 418.2	
10	Metal mining	1992.. 579 1987.. 639	1 023 1 027	273 260	52.9 44.1	2 110.9 1 353.5	42.0 33.7	88.4 67.8	1 540.2 952.0	6 724.0 4 609.5	4 720.2 3 141.2	9 864.4 6 851.6	1 579.8 899.1	
101	Iron ores	1992.. 26 1987.. 39	40 51	18 16	8.7 7.1	348.2 224.2	7.2 5.6	14.9 11.2	274.2 165.8	985.4 767.9	782.3 618.5	1 714.8 1 362.4	53.0 24.0	
1011	Iron ores	1992.. 26 1987.. 39	40 51	18 16	8.7 7.1	348.2 224.2	7.2 5.6	14.9 11.2	274.2 165.8	985.4 767.9	782.3 618.5	1 714.8 1 362.4	53.0 24.0	
102	Copper ores	1992.. 25 1987.. 27	62 61	35 33	14.9 13.9	550.0 404.8	11.9 10.6	24.6 20.9	405.2 282.7	2 169.4 1 301.3	1 721.6 1 053.4	3 374.9 2 149.7	516.1 205.0	
1021	Copper ores	1992.. 25 1987.. 27	62 61	35 33	14.9 13.9	550.0 404.8	11.9 10.6	24.6 20.9	405.2 282.7	2 169.4 1 301.3	1 721.6 1 053.4	3 374.9 2 149.7	516.1 205.0	
103	Lead and zinc ores	1992.. 22 1987.. 21	44 39	24 19	2.8 2.0	113.3 58.3	2.2 1.4	4.6 3.0	86.2 40.0	287.1 176.2	207.3 104.1	471.9 268.3	22.4 11.9	
1031	Lead and zinc ores	1992.. 22 1987.. 21	44 39	24 19	2.8 2.0	113.3 58.3	2.2 1.4	4.6 3.0	86.2 40.0	287.1 176.2	207.3 104.1	471.9 268.3	22.4 11.9	
104	Gold and silver ores	1992.. 291 1987.. 299	426 372	116 101	19.2 13.1	825.3 423.0	15.5 10.4	33.0 21.4	600.5 305.0	2 746.1 1 814.2	(D) 1 001.4	3 554.6 2 260.9	(D) 554.7	
1041	Gold ores	1992.. 276 1987.. 260	402 319	110 91	18.2 11.4	784.0 371.5	14.7 8.9	31.4 18.2	570.8 263.8	2 688.4 1 689.1	1 641.5 920.6	3 440.0 2 067.1	889.9 542.6	
1044	Silver ores	1992.. 20 1987.. 45	24 53	6 10	1.0 1.7	41.3 51.5	.8 1.5	1.7 3.1	29.7 41.2	57.6 125.1	(D) 80.8	114.6 193.8	(D) 12.2	
108	Metal mining services	1992.. 117 1987.. 115	266 268	37 42	3.3 2.8	117.0 80.8	2.6 2.2	6.0 4.6	89.7 59.8	258.8 175.6	(D) 101.3	350.4 251.3	(D) 25.7	
1081	Metal mining services	1992.. 117 1987.. 115	266 268	37 42	3.3 2.8	117.0 80.8	2.6 2.2	6.0 4.6	89.7 59.8	258.8 175.6	(D) 101.3	350.4 251.3	(D) 25.7	
109, 106	Miscellaneous metal ores and ferroalloy ores, except vanadium	1992.. 134 1987.. (NA)	185 236	43 49	4.0 5.2	157.1 162.4	2.6 3.5	5.2 6.7	84.4 98.7	277.4 374.2	181.4 262.5	397.9 558.9	60.9 77.8	
1094	Uranium-radium-vanadium ores	1992.. 48 1987.. 59	78 101	21 27	1.2 2.3	49.6 72.1	.6 1.5	1.2 2.9	21.0 43.6	69.4 174.7	45.6 115.8	86.3 251.5	28.7 39.0	
1099, 1061	Miscellaneous metal ores, n.e.c., and ferroalloy ores, except vanadium	1992.. 91 1987.. (NA)	107 135	22 22	2.8 2.9	107.6 90.3	2.0 2.0	4.0 3.8	63.4 55.1	208.0 199.5	135.8 146.7	311.6 307.4	32.2 38.8	
12	Coal mining	1992.. 2 175 1987.. 2 914	3 069 3 905	1 238 1 418	134.5 163.4	5 461.4 5 567.0	108.3 128.7	227.3 259.3	4 205.4 4 251.4	17 252.4 17 067.9	11 824.5 10 552.5	27 134.1 25 955.2	1 942.8 1 665.2	
122	Bituminous coal and lignite mining	1992.. 1 809 1987.. 2 589	2 635 3 507	1 155 1 335	128.5 157.5	5 282.2 5 410.2	103.4 123.8	216.9 249.5	4 062.4 4 125.3	16 776.8 16 678.9	11 570.9 10 282.1	26 435.3 25 346.9	1 912.4 1 614.1	
1221	Bituminous coal and lignite surface mining	1992.. 1 092 1987.. 1 367	1 502 1 804	555 612	55.5 63.8	2 270.7 2 204.0	42.0 48.0	90.9 99.5	1 616.4 1 580.1	8 028.0 7 893.7	6 699.4 6 460.3	13 826.2 13 617.5	901.2 736.4	
1222	Bituminous coal underground mining	1992.. 792 1987.. 1 302	1 133 1 703	600 723	73.0 93.7	3 011.5 3 206.1	61.4 75.8	126.0 149.9	2 446.0 2 545.2	8 748.9 8 785.2	4 871.5 3 821.8	12 609.1 11 729.3	1 011.2 877.7	
123	Anthracite mining	1992.. 64 1987.. 88	76 107	18 26	1.4 1.9	38.6 41.2	1.1 1.6	2.2 2.9	29.8 32.4	97.2 109.4	67.3 109.0	160.4 206.3	4.1 12.1	
1231	Anthracite mining	1992.. 64 1987.. 88	76 107	18 26	1.4 1.9	38.6 41.2	1.1 1.6	2.2 2.9	29.8 32.4	97.2 109.4	67.3 109.0	160.4 206.3	4.1 12.1	
124	Coal mining services	1992.. 320 1987.. 254	358 291	65 57	4.6 4.0	140.5 115.7	3.8 3.3	8.1 6.8	113.1 93.7	378.3 279.6	186.2 161.4	538.4 402.0	26.2 39.0	
1241	Coal mining services	1992.. 320 1987.. 254	358 291	65 57	4.6 4.0	140.5 115.7	3.8 3.3	8.1 6.8	113.1 93.7	378.3 279.6	186.2 161.4	538.4 402.0	26.2 39.0	
13	Oil and gas extraction	1992.. 16 765 1987.. 17 875	20 891 22 910	2 703 3 167	344.9 377.9	13 396.7 11 960.5	188.2 206.2	394.5 437.2	5 939.4 5 283.3	80 016.4 80 048.8	44 025.2 44 031.7	111 522.7 112 363.0	12 518.9 11 717.4	
131	Crude petroleum and natural gas ...	1992.. 7 688 1987.. 8 120	9 391 10 203	1 015 1 171	174.8 198.8	8 422.1 7 510.0	64.3 69.4	130.8 142.3	2 597.1 2 153.8	66 574.6 67 954.9	16 624.2 19 112.2	72 245.4 76 518.1	10 953.4 10 549.0	
1311	Crude petroleum and natural gas	1992.. 7 688 1987.. 8 120	9 391 10 203	1 015 1 171	174.8 198.8	8 422.1 7 510.0	64.3 69.4	130.8 142.3	2 597.1 2 153.8	66 574.6 67 954.9	16 624.2 19 112.2	72 245.4 76 518.1	10 953.4 10 549.0	
132	Natural gas liquids	1992.. 108 1987.. 97	591 714	198 210	12.2 12.7	518.1 433.0	8.9 9.7	18.5 20.2	364.0 320.0	4 242.2 4 024.9	23 586.1 21 107.4	27 213.8 24 749.5	614.6 382.7	
1321	Natural gas liquids	1992.. 108 1987.. 97	591 714	198 210	12.2 12.7	518.1 433.0	8.9 9.7	18.5 20.2	364.0 320.0	4 242.2 4 024.9	23 586.1 21 107.4	27 213.8 24 749.5	614.6 382.7	
138	Oil and gas field services	1992.. 9 138 1987.. 9 772	10 909 11 993	1 490 1 786	157.9 166.5	4 456.5 4 017.5	115.0 127.1	245.2 274.8	2 978.2 2 809.5	9 199.5 8 068.9	3 814.9 3 812.1	12 063.5 11 095.4	950.9 785.7	
1381	Drilling oil and gas wells	1992.. 1 698 1987.. 2 060	2 125 2 591	450 620	47.7 55.0	1 370.6 1 318.0	38.6 45.6	81.4 93.3	993.9 1 012.3	2 516.4 2 549.4	1 356.2 1 397.5	3 583.6 3 625.9	289.0 321.0	
1382	Oil and gas field exploration services	1992.. 1 331 1987.. 1 591	1 490 1 917	84 143	13.7 16.9	460.3 452.1	8.4 12.8	19.0 27.1	237.9 310.7	725.0 771.3	411.1 394.1	964.6 1 096.2	171.5 69.3	
1389	Oil and gas field services, n.e.c.	1992.. 6 163 1987.. 6 239	7 294 7 485	956 1 023	96.4 94.6	2 625.6 2 247.5	68.0 68.7	144.7 154.3	1 746.5 1 486.4	5 958.2 4 748.2	2 047.6 2 020.4	7 515.3 6 373.2	490.5 395.4	

Table 1-1b. Statistics by Industry Groups and Industries: 1992 and 1987—Con.

[Data in this table are comparable to those published in table 1 of the industry series which has historical data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry group, industry, and census year	Companies (number)	Establishments during year		All employees		Production, development, and exploration workers			Value added by mining (million dollars)	Cost of supplies used, purchased machinery installed, etc. (million dollars)	Value of shipments and receipts (million dollars)	Capital expenditures (million dollars)
			Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
14	Nonmetallic minerals, except fuels												
	..... 1992..	3 828	5 804	1 386	105.9	3 229.6	76.8	166.2	2 147.7	9 628.5	5 083.0	13 574.1	1 137.3
	..... 1987..	3 975	5 775	1 454	112.7	2 858.0	82.5	177.9	1 956.4	9 232.9	4 698.0	12 794.5	1 136.4
141	Dimension stone	141	166	17	1.4	30.5	1.1	2.1	21.4	76.7	26.6	98.9	4.5
	..... 1987..	130	149	19	1.3	24.5	1.1	2.0	17.7	64.7	25.2	85.8	4.0
1411	Dimension stone	141	166	17	1.4	30.5	1.1	2.1	21.4	76.7	26.6	98.9	4.5
	..... 1987..	130	149	19	1.3	24.5	1.1	2.0	17.7	64.7	25.2	85.8	4.0
142	Crushed and broken stone, including riprap	1 129	2 142	662	41.6	1 206.9	30.8	66.9	827.2	3 620.5	1 805.5	5 001.9	424.1
	..... 1987..	1 129	2 002	711	43.7	1 081.8	32.8	72.4	753.8	3 465.3	1 823.3	4 768.0	520.6
1422	Crushed and broken limestone ...	716	1 432	422	27.7	784.8	20.4	44.4	532.3	2 270.0	1 164.2	3 178.3	255.9
	..... 1987..	714	1 335	456	28.9	702.3	21.6	47.0	482.9	2 091.4	1 161.8	2 914.4	338.7
1423	Crushed and broken granite	107	264	126	6.1	184.6	4.9	10.8	137.4	659.6	305.3	895.3	69.6
	..... 1987..	104	238	129	6.5	168.6	5.0	11.7	120.4	696.2	339.2	922.7	112.7
1429	Crushed and broken stone, n.e.c.	349	446	114	7.8	237.5	5.6	11.8	157.5	691.0	336.0	928.3	98.6
	..... 1987..	357	429	126	8.3	210.9	6.2	13.7	150.5	677.8	322.3	931.0	69.2
144	Sand and gravel	2 072	2 677	439	30.3	887.9	21.4	47.3	593.4	2 318.0	1 101.2	3 160.5	258.7
	..... 1987..	2 192	2 750	436	32.8	772.0	23.9	51.1	550.8	2 319.9	1 056.7	3 139.0	237.6
1442	Construction sand and gravel	1 983	2 516	379	27.1	790.3	19.2	42.7	537.5	2 040.2	942.5	2 749.7	233.1
	..... 1987..	2 087	2 559	371	28.9	673.0	21.1	45.4	489.3	2 011.6	899.3	2 696.8	214.1
1446	Industrial sand	100	161	60	3.2	97.6	2.2	4.6	55.9	277.8	158.7	410.8	25.6
	..... 1987..	121	191	65	3.9	98.9	2.8	5.7	61.5	308.3	157.4	442.1	23.5
145	Clay, ceramic, and refractory minerals	130	200	100	10.0	317.8	7.5	16.6	210.7	936.4	547.6	1 400.2	83.9
	..... 1987..	122	197	100	9.9	272.2	7.1	15.3	165.2	827.2	532.7	1 248.6	111.3
1455	Kaolin and ball clay	25	45	35	5.0	180.4	3.7	8.1	114.9	506.3	327.1	780.4	53.0
	..... 1987..	24	45	36	5.3	169.5	3.5	7.9	95.8	498.6	328.9	750.5	77.0
1459	Clay, ceramic, and refractory minerals, n.e.c.	111	155	65	5.0	137.4	3.8	8.5	95.7	430.2	220.5	619.8	30.9
	..... 1987..	105	152	64	4.6	102.7	3.5	7.4	69.5	328.6	203.9	498.1	34.4
147	Chemical and fertilizer mineral mining	92	160	80	15.0	579.0	10.7	22.3	359.3	2 121.8	1 314.6	3 127.4	309.0
	..... 1987..	101	148	79	16.3	500.8	11.6	24.4	335.9	1 998.9	964.6	2 772.0	191.5
1474	Potash, soda, and borate minerals	20	33	24	5.5	225.4	4.3	8.9	157.8	1 154.8	424.9	1 515.7	64.0
	..... 1987..	25	30	19	6.9	234.5	5.3	11.4	177.0	915.0	439.1	1 271.8	82.3
1475	Phosphate rock	22	28	21	5.4	192.7	4.2	8.6	128.7	690.0	633.9	1 188.9	134.9
	..... 1987..	32	39	26	5.3	139.5	3.9	7.7	92.5	595.1	365.9	886.7	74.3
1479	Chemical and fertilizer mineral mining, n.e.c.	58	99	35	4.1	160.9	2.2	4.7	72.8	277.0	255.8	422.8	110.0
	..... 1987..	52	79	34	4.2	126.7	2.5	5.3	66.4	488.7	159.6	613.4	34.9
148	Nonmetallic minerals services, except fuels	166	178	16	2.0	52.0	1.5	3.0	38.9	136.0	67.7	188.9	14.8
	..... 1987..	152	177	23	1.8	44.9	1.3	2.8	31.9	119.0	71.8	165.4	25.4
1481	Nonmetallic minerals services, except fuels	166	178	16	2.0	52.0	1.5	3.0	38.9	136.0	67.7	188.9	14.8
	..... 1987..	152	177	23	1.8	44.9	1.3	2.8	31.9	119.0	71.8	165.4	25.4
149	Miscellaneous nonmetallic minerals, except fuels	243	281	72	5.5	155.6	3.8	7.9	96.9	419.0	219.7	596.3	42.4
	..... 1987..	304	352	86	7.0	161.9	4.8	9.8	101.1	438.0	223.7	615.7	46.0
1499	Miscellaneous nonmetallic minerals, except fuels	243	281	72	5.5	155.6	3.8	7.9	96.9	419.0	219.7	596.3	42.4
	..... 1987..	304	352	86	7.0	161.9	4.8	9.8	101.1	438.0	223.7	615.7	46.0

Table 1-2. Industry Group Statistics for Selected States and Offshore Areas: 1992 and 1987

[Data in this table are comparable to those published in table 2 of the industry series which has data for four-digit industries by State. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry group and geographic area	1992										1987		
		Establishments during year		All employees		Production, development, and exploration workers			Value added by mining (million dollars)	Cost of supplies used, purchased machinery installed, etc. (million dollars)	Value of shipments and receipts (million dollars)	Capital expenditures (million dollars)	All employees ² (1,000)	Value added by mining (million dollars)
		Total (number)	With 20 employees or more (number)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
	United States	30 787	5 600	638.2	24 198.6	415.4	876.3	13 832.6	113 621.3	65 652.9	162 095.4	17 178.8	698.1	110 959.1
	Alabama	E1 395	102	10.8	400.7	7.8	16.1	269.2	1 525.7	731.2	2 114.6	142.3	11.1	1 234.7
	Alaska	— 195	57	10.5	638.6	6.3	14.4	344.3	8 522.0	2 149.2	9 546.8	1 124.5	7.4	8 018.8
	Arizona	— 252	57	13.7	505.5	11.2	23.1	390.3	1 821.9	1 052.5	2 661.9	212.5	12.8	1 142.8
	Arkansas	E1 360	41	3.3	84.6	2.5	5.3	61.0	461.4	191.9	572.9	80.5	4.0	521.3

See footnotes at end of table.

Table 1-2. Industry Group Statistics for Selected States and Offshore Areas: 1992 and 1987—
Con.

[Data in this table are comparable to those published in table 2 of the industry series which has data for four-digit industries by State. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry group and geographic area	1992										1987			
		Establishments during year		All employees		Production, development, and exploration workers			Value added by mining (million dollars)	Cost of supplies used, purchased machinery installed, etc. (million dollars)	Value of shipments and receipts (million dollars)	Capital expenditures (million dollars)	All employees ² (1,000)	Value added by mining (million dollars)	
		Total (number)	With 20 employees or more (number)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)							
14	Nonmetallic minerals, except fuels—Con.														
147	Chemical and fertilizer mineral mining	—	160	80	15.0	579.0	10.7	22.3	359.3	2 121.8	1 314.6	3 127.4	309.0	16.3	1 998.9
	California	—	10	5	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	G	(D)
	Florida	—	14	10	H	(D)	(D)	(D)	(D)	(D)	(D)	(D)	86.5	4.0	387.6
	Georgia	—	4	4	.1	4.1	.1	.2	2.2	9.7	(D)	14.4	(D)	C	(D)
	Idaho	—	8	5	.5	18.8	.4	.8	14.6	63.3	(D)	113.2	(D)	E	(D)
	Illinois	—	6	3	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	E	(D)
	Kansas	—	2	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
	Louisiana	—	13	7	1.0	36.5	.7	1.4	22.6	88.3	(D)	141.6	(D)	1.1	146.3
	Montana	—	2	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	C	(D)
	New Mexico	—	10	7	1.9	63.8	1.6	3.5	51.1	186.2	77.6	240.9	23.0	1.2	99.6
	New York	—	7	3	.4	14.7	.3	.6	10.2	69.2	(D)	80.3	(D)	E	(D)
	North Carolina	—	4	3	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
	Ohio	—	5	2	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	10.8	E	(D)
	Pennsylvania	—	5	2	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	C	(D)
	Texas	—	21	9	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.1	G	(D)
	Utah	—	7	5	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	35.5
	Wyoming	—	6	5	2.3	104.3	1.8	3.6	77.8	540.1	229.8	735.8	34.1	3.0	397.8
148	Nonmetallic minerals services, except fuels	—	178	16	2.0	52.0	1.5	3.0	38.9	136.0	67.7	188.9	14.8	1.8	119.0
	Georgia	—	5	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	C	(D)
	Idaho	—	6	2	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	C	(D)
	Montana	—	4	3	.1	3.5	.1	.2	2.6	8.1	(D)	11.7	(D)	(NA)	(NA)
	Wisconsin	—	5	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
149	Miscellaneous nonmetallic minerals, except fuels	—	281	72	5.5	155.6	3.8	7.9	96.9	419.0	219.7	596.3	42.4	7.0	438.0
	Arizona	—	16	1	.1	3.3	.1	.2	2.1	17.6	6.7	23.5	.8	C	(D)
	Arkansas	E3	11	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	C	(D)
	California	—	30	8	.8	28.5	.5	1.1	19.0	73.3	36.1	105.9	3.5	G	(D)
	Colorado	—	6	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	8.3
	Florida	E1	19	3	.2	4.4	.1	.3	2.8	15.2	6.5	20.0	1.7	.2	14.0
	Georgia	E9	3	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
	Louisiana	E5	4	3	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	E	(D)
	Massachusetts	E9	2	1	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
	Michigan	—	9	5	.2	4.4	.2	.4	3.7	15.4	(D)	20.2	(D)	E	(D)
	Montana	—	9	5	.3	8.4	.2	.4	6.7	43.8	(D)	51.6	(D)	.4	32.7
	Nevada	—	11	3	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	.3	24.1
	New Mexico	—	7	2	.1	3.0	.1	.2	2.2	13.0	(D)	17.8	(D)	.1	10.2
	New York	—	7	3	.4	13.2	.3	.5	7.6	46.3	(D)	56.0	(D)	.5	36.9
	North Carolina	E1	14	5	.5	11.7	.4	.8	8.1	22.2	(D)	49.6	(D)	.4	18.8
	Oregon	—	11	3	.1	3.7	.1	.2	3.1	13.9	5.8	17.8	1.8	.1	9.0
	Pennsylvania	E1	10	2	.1	2.5	.1	.2	1.9	7.4	(D)	10.6	(D)	(NA)	(NA)
	South Carolina	—	7	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	C	(D)
	Texas	—	17	7	.3	5.1	.2	.5	3.8	17.9	9.9	26.7	1.1	E	(D)
	Utah	—	9	3	.1	6.1	.1	.2	3.7	15.2	(D)	20.2	(D)	.1	10.4
	Washington	—	9	3	.1	4.3	.1	.2	3.1	12.9	8.0	19.5	1.3	C	(D)

¹Some payroll and sales data for small single-unit 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 figures shown: E1-10 to 19 percent; E2-20 to 29 percent; E3-30 to 39 percent; E4-40 to 49 percent; E5-50 to 59 percent; E6-60 to 69 percent; E7-70 to 79 percent; E8-80 to 89 percent; E9-90 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.

³Represents offshore areas not associated with a State.

Table 1-3a. Summary Statistics by Major Group and Industry: 1992

[Data in this table are comparable to those published in table 3a of the industry series which has data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	All mineral industries	Major Group 10, Metal Mining			
		Total	Industry 1011, Iron Ores	Industry 1021, Copper Ores	Industry 1031, Lead and Zinc Ores
Establishments during year	30 787	1 023	40	62	44
With 0 to 19 employees	25 187	750	22	27	20
With 20 to 99 employees	4 474	160	7	13	11
With 100 employees or more	1 126	113	11	22	13
All employees:					
Average for year	638.2	52.9	8.7	14.9	2.8
Payroll for year	24 198.6	2 110.9	348.2	550.0	113.3

See footnotes at end of table.

Table 1–3a. **Summary Statistics by Major Group and Industry: 1992—Con.**

[Data in this table are comparable to those published in table 3a of the industry series which has data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	All mineral industries	Major Group 10, Metal Mining				
		Total	Industry 1011, Iron Ores	Industry 1021, Copper Ores	Industry 1031, Lead and Zinc Ores	
Production, development, and exploration workers:						
Average for year	1,000..	415.4	42.0	7.2	11.9	2.2
March	1,000..	417.7	42.5	7.4	12.0	2.1
May	1,000..	419.2	42.6	7.4	11.9	2.2
August	1,000..	417.1	41.7	6.5	11.9	2.3
November	1,000..	408.8	41.3	7.4	11.8	2.2
Hours	millions..	876.3	88.4	14.9	24.6	4.6
Wages	mil dol..	13 832.6	1 540.2	274.2	405.2	86.2
Supplemental labor costs not included in payroll						
Legally required expenditures, including Social Security contributions	mil dol..	5 500.8	528.1	103.4	136.7	26.2
Payments for voluntary programs	mil dol..	2 413.4	222.0	43.4	55.3	10.7
		3 087.4	306.0	60.0	81.4	15.5
Value added by mining	mil dol..	113 621.3	6 724.0	985.4	2 169.4	287.1
Cost of supplies						
Supplies used, minerals received, and purchased machinery installed	mil dol..	65 652.9	4 720.2	782.3	1 721.6	207.3
Resales	mil dol..	48 740.8	3 064.2	401.8	1 229.7	137.9
Purchased fuels consumed	mil dol..	558.6	1.7	(D)	—	—
Purchased electric energy:		2 729.2	300.8	86.6	61.4	10.2
Quantity	mil kWh..	77 063.3	18 562.2	7 287.5	6 594.9	552.8
Cost	mil dol..	3 638.8	798.3	267.9	316.7	26.9
Electric energy generated less sold	mil kWh..	3 702.9	394.1	—	(D)	(D)
Contract work	mil dol..	9 985.6	555.1	(D)	113.7	32.4
Cost of purchased communication services	mil dol..	172.0	8.5	1.3	1.7	.5
Value of shipments and receipts	mil dol..	162 095.4	9 864.4	1 714.8	3 374.9	471.9
Value of resales	mil dol..	639.8	1.9	(D)	—	—
Inventories, end of 1991						
Mined or quarried products	mil dol..	7 927.2	1 387.9	225.1	339.2	157.4
Supplies, parts, fuels, etc.	mil dol..	4 085.0	843.8	110.2	186.5	110.9
		3 842.3	544.1	114.9	152.7	46.5
Inventories, end of 1992						
Mined or quarried products	mil dol..	7 930.4	1 381.1	221.2	360.8	140.1
Supplies, parts, fuels, etc.	mil dol..	4 259.8	854.7	111.6	210.1	95.8
		3 670.6	526.4	109.6	150.7	44.3
Gross book value of depreciable assets (usually original cost) at beginning of year ¹						
Buildings and other structures, except land ²	mil dol..	87 641.5	18 181.0	3 812.6	3 893.7	941.1
Machinery and equipment ²	mil dol..	10 886.7	3 187.4	1 425.8	445.9	86.3
Mineral exploration and development ³	mil dol..	64 040.9	10 861.6	2 327.3	2 948.2	685.0
Mineral land and rights ³	mil dol..	5 797.9	3 021.6	46.9	370.5	(D)
		6 916.0	1 110.4	12.6	129.0	(D)
Capital expenditures during year (except land and mineral rights)						
New capital expenditures during year	mil dol..	17 178.8	1 579.8	53.0	516.1	22.4
Buildings and other structures, except land	mil dol..	7 903.9	1 118.7	(D)	(D)	(D)
Machinery and equipment	mil dol..	1 061.0	211.5	(D)	(D)	(D)
		6 842.9	907.2	(D)	385.8	19.3
Used capital expenditures during year	mil dol..	1 239.0	41.1	(D)	8.6	(D)
Buildings and other structures, except land	mil dol..	80.9	6.7	.1	(Z)	(Z)
Machinery and equipment	mil dol..	1 158.1	34.4	(D)	8.6	(D)
Mineral exploration and development ⁴	mil dol..	8 035.9	420.1	(D)	(D)	(D)
Capitalized mineral land and rights ³	mil dol..	391.6	81.6	.2	(D)	(D)
Deductions from depreciable assets during year ¹						
Buildings and other structures, except land ²	mil dol..	5 531.5	628.7	16.9	(D)	(D)
Machinery and equipment ²	mil dol..	439.2	72.5	(D)	(D)	(D)
Mineral exploration and development ³	mil dol..	4 454.8	367.5	11.1	65.5	(D)
Mineral land and rights ³	mil dol..	272.7	128.4	(D)	(D)	(D)
		364.8	60.4	.1	(D)	(D)
Gross book value of depreciable assets at end of year ¹						
Buildings and other structures, except land ²	mil dol..	88 726.9	19 213.7	3 848.9	4 315.8	956.8
Machinery and equipment ²	mil dol..	11 115.2	3 333.1	1 441.4	520.1	86.4
Mineral exploration and development ³	mil dol..	64 526.0	11 435.6	2 346.4	3 277.0	700.0
Mineral land and rights ³	mil dol..	6 143.0	3 313.4	48.4	414.9	82.2
		6 942.7	1 131.7	12.6	103.8	88.2
Depreciation and depletion charges for year ¹						
Buildings and other structures, except land ²	mil dol..	5 847.0	1 325.3	113.0	276.8	61.0
Machinery and equipment ²	mil dol..	599.0	185.9	38.9	27.5	4.0
Mineral exploration and development ³	mil dol..	4 514.4	753.1	71.3	217.6	47.0
Mineral land and rights ³	mil dol..	443.3	297.8	2.2	24.3	3.9
		290.3	88.5	.7	7.4	6.0
Rental payments during year						
Buildings and other structures, except land	mil dol..	1 718.7	70.2	14.2	18.4	.2
Machinery and equipment	mil dol..	330.3	10.0	.1	(D)	(Z)
		1 388.3	60.2	14.1	(D)	.2
Lease rents	mil dol..	137.3	12.6	(D)	(D)	.5
Expensed mineral exploration, development, land, and rights ⁴						
Mineral exploration and development	mil dol..	8 962.2	224.6	37.2	12.1	16.6
Mineral land and rights	mil dol..	8 252.3	192.2	(D)	(D)	(D)
		709.9	32.4	(D)	(D)	(D)

See footnotes at end of table.

Table 1-3a. Summary Statistics by Major Group and Industry: 1992—Con.

[Data in this table are comparable to those published in table 3a of the industry series which has data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Major Group 10, Metal Mining—Con.				
	Industry 1041, Gold Ores	Industry 1044, Silver Ores	Industry 1081, Metal Mining Services	Industry 1094, Uranium-Radium- Vanadium Ores	Industries 1099 and 1061, Miscellaneous Metal Ores, N.E.C., and Ferroalloy Ores, Except Vanadium
Establishments during year	402	24	266	78	107
With 0 to 19 employees	292	18	229	57	85
With 20 to 99 employees	61	2	30	21	15
With 100 employees or more	49	4	7	—	7
All employees:					
Average for year	1,000.. 18.2	1.0	3.3	1.2	2.8
Payroll for year	mil dol.. 784.0	41.3	117.0	49.6	107.6
Production, development, and exploration workers:					
Average for year	1,000.. 14.7	.8	2.6	.6	2.0
March	1,000.. 14.8	.9	2.6	.7	2.0
May	1,000.. 14.8	.9	2.8	.6	2.0
August	1,000.. 14.9	.7	2.9	.6	1.9
November	1,000.. 14.4	.7	2.4	.5	1.9
Hours	millions.. 31.4	1.7	6.0	1.2	4.0
Wages	mil dol.. 570.8	29.7	89.7	21.0	63.4
Supplemental labor costs not included in payroll	mil dol.. 181.2	16.7	29.9	9.4	24.6
Legally required expenditures, including Social Security contributions	mil dol.. 73.2	7.5	18.3	4.1	9.5
Payments for voluntary programs	mil dol.. 108.0	9.1	11.6	5.3	15.1
Value added by mining	mil dol.. 2 688.4	57.6	258.8	69.4	208.0
Cost of supplies	mil dol.. 1 641.5	(D)	(D)	45.6	135.8
Supplies used, minerals received, and purchased machinery installed	mil dol.. 1 053.8	50.5	81.8	25.6	83.1
Resales	(D)	—	(D)	—	(D)
Purchased fuels consumed	mil dol.. 108.9	4.5	16.2	4.4	8.8
Purchased electric energy:					
Quantity	mil kWh.. 3 146.8	103.8	42.8	138.0	695.6
Cost	mil dol.. 143.9	4.5	2.2	6.8	29.4
Electric energy generated less sold	mil kWh.. 110.9	(D)	—	—	—
Contract work	mil dol.. (D)	(D)	(D)	8.7	(D)
Cost of purchased communication services	mil dol.. 3.3	.1	.8	.3	.4
Value of shipments and receipts	mil dol.. 3 440.0	114.6	350.4	86.3	311.6
Value of resales	mil dol.. (D)	—	(D)	—	(D)
Inventories, end of 1991	mil dol.. 422.0	56.5	21.4	73.8	92.6
Mined or quarried products	mil dol.. 260.9	49.6	—	63.3	62.4
Supplies, parts, fuels, etc.	mil dol.. 161.1	6.8	21.4	10.5	30.2
Inventories, end of 1992	mil dol.. 440.4	45.6	24.6	70.7	77.9
Mined or quarried products	mil dol.. 284.9	38.4	—	61.5	52.4
Supplies, parts, fuels, etc.	mil dol.. 155.5	7.2	24.6	9.1	25.5
Gross book value of depreciable assets (usually original cost) at beginning of year ¹	mil dol.. 6 749.9	390.0	239.9	729.0	1 424.9
Buildings and other structures, except land ²	mil dol.. 866.0	57.8	19.8	132.2	153.5
Machinery and equipment ²	mil dol.. 3 502.2	96.5	220.0	307.5	774.8
Mineral exploration and development ³	mil dol.. 1 717.8	(D)	(NA)	234.1	428.7
Mineral land and rights ³	mil dol.. 664.0	(D)	(NA)	55.1	67.9
Capital expenditures during year (except land and mineral rights)	mil dol.. 889.9	(D)	(D)	28.7	32.2
New capital expenditures during year	mil dol.. 538.2	(D)	16.8	8.5	19.4
Buildings and other structures, except land	mil dol.. 103.8	(D)	.4	3.8	5.0
Machinery and equipment	mil dol.. 434.4	(D)	16.5	4.7	14.4
Used capital expenditures during year	mil dol.. 16.4	.1	(D)	(D)	(D)
Buildings and other structures, except land	mil dol.. 6.0	(Z)	(D)	(D)	(D)
Machinery and equipment	mil dol.. 10.4	(Z)	(D)	.4	1.4
Mineral exploration and development ⁴	mil dol.. 335.3	5.0	(NA)	(D)	(D)
Capitalized mineral land and rights ³	mil dol.. 74.2	(Z)	(NA)	(D)	3.0
Deductions from depreciable assets during year ¹	mil dol.. 339.4	(D)	(D)	114.5	24.2
Buildings and other structures, except land ²	mil dol.. 30.4	(D)	(D)	(D)	(D)
Machinery and equipment ²	mil dol.. 182.4	(D)	(D)	64.1	18.2
Mineral exploration and development ³	mil dol.. 107.8	(Z)	(NA)	(D)	(D)
Mineral land and rights ³	mil dol.. 18.7	(D)	(NA)	(D)	(D)
Gross book value of depreciable assets at end of year ¹	mil dol.. 7 374.6	389.8	248.1	643.9	1 435.8
Buildings and other structures, except land ²	mil dol.. 945.5	57.0	19.8	107.2	155.8
Machinery and equipment ²	mil dol.. 3 764.5	98.3	228.3	248.6	772.4
Mineral exploration and development ³	mil dol.. 1 945.2	(D)	(NA)	238.4	(D)
Mineral land and rights ³	mil dol.. 719.4	(D)	(NA)	49.8	(D)
Depreciation and depletion charges for year ¹	mil dol.. 727.2	21.7	23.1	45.6	57.0
Buildings and other structures, except land ²	mil dol.. 97.3	4.3	1.6	9.3	3.0
Machinery and equipment ²	mil dol.. 339.1	8.1	21.5	16.4	32.1
Mineral exploration and development ³	mil dol.. 225.4	(D)	(NA)	(D)	(D)
Mineral land and rights ³	mil dol.. 65.3	(D)	(NA)	(D)	(D)
Rental payments during year	mil dol.. 23.6	(D)	6.9	(D)	2.0
Buildings and other structures, except land	mil dol.. 3.9	(Z)	1.4	(D)	.2
Machinery and equipment	mil dol.. 19.7	(D)	5.5	(D)	1.8
Lease rents	mil dol.. 10.1	.1	(NA)	.6	(D)
Expensed mineral exploration, development, land, and rights ⁴	mil dol.. 151.6	2.0	(NA)	(D)	(D)
Mineral exploration and development	mil dol.. 147.0	(D)	(NA)	(D)	(D)
Mineral land and rights	mil dol.. 4.5	(D)	(NA)	(D)	(D)

See footnotes at end of table.

Table 1–3a. **Summary Statistics by Major Group and Industry: 1992—Con.**

[Data in this table are comparable to those published in table 3a of the industry series which has data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Major Group 12, Bituminous Coal and Lignite Mining				
	Total	Industry 1221, Bituminous Coal and Lignite Surface Mining	Industry 1222, Bituminous Coal Underground Mining	Industry 1231, Anthracite Mining	Industry 1241, Coal Mining Services
Establishments during year number	3 069	1 502	1 133	76	358
With 0 to 19 employees number	1 831	947	533	58	293
With 20 to 99 employees number	915	421	417	16	61
With 100 employees or more number	323	134	183	2	4
All employees:					
Average for year 1,000	134.5	55.5	73.0	1.4	4.6
Payroll for year mil dol	5 461.4	2 270.7	3 011.5	38.6	140.5
Production, development, and exploration workers:					
Average for year 1,000	108.3	42.0	61.4	1.1	3.8
March 1,000	110.3	42.3	63.0	1.1	3.9
May 1,000	109.2	42.5	61.8	1.1	3.8
August 1,000	108.1	42.2	61.0	1.1	3.9
November 1,000	105.8	41.1	59.8	1.1	3.8
Hours millions	227.3	90.9	126.0	2.2	8.1
Wages mil dol	4 205.4	1 616.4	2 446.0	29.8	113.1
Supplemental labor costs not included in payroll mil dol	2 111.6	648.6	1 404.9	17.3	40.8
Legally required expenditures, including Social Security contributions mil dol	892.9	248.8	612.1	12.2	19.7
Payments for voluntary programs mil dol	1 218.7	399.7	792.8	5.1	21.1
Value added by mining mil dol	17 252.4	8 028.0	8 748.9	97.2	378.3
Cost of supplies mil dol	11 824.5	6 699.4	4 871.5	67.3	186.2
Supplies used, minerals received, and purchased machinery installed mil dol	8 594.7	5 201.9	3 230.1	46.6	116.1
Resales mil dol	233.9	100.8	117.3	(D)	(D)
Purchased fuels consumed mil dol	486.7	393.1	66.2	6.7	20.7
Purchased electric energy:					
Quantity mil kWh	12 671.4	4 809.1	7 646.9	120.9	94.6
Cost mil dol	578.2	224.3	341.4	7.8	4.8
Electric energy generated less sold mil kWh	(D)	(D)	(D)	—	—
Contract work mil dol	1 930.9	779.3	1 116.5	(D)	(D)
Cost of purchased communication services mil dol	14.9	6.4	7.8	.1	.6
Value of shipments and receipts mil dol	27 134.1	13 826.2	12 609.1	160.4	538.4
Value of resales mil dol	291.8	130.7	143.6	(D)	(D)
Inventories, end of 1991 mil dol	1 547.7	775.1	723.3	15.8	33.5
Mined or quarried products mil dol	793.1	358.6	423.8	10.8	—
Supplies, parts, fuels, etc. mil dol	754.5	416.6	299.6	5.0	33.5
Inventories, end of 1992 mil dol	1 556.9	760.1	746.4	14.5	35.9
Mined or quarried products mil dol	818.9	354.0	455.4	9.6	(Z)
Supplies, parts, fuels, etc. mil dol	738.0	406.2	291.0	5.0	35.9
Gross book value of depreciable assets (usually original cost) at beginning of year ¹ mil dol	26 414.5	13 613.5	12 298.3	167.5	335.2
Buildings and other structures, except land ² mil dol	3 764.8	1 872.3	1 845.7	25.5	21.3
Machinery and equipment ² mil dol	17 572.5	9 357.0	7 777.0	124.7	313.8
Mineral exploration and development ³ mil dol	2 233.8	697.9	1 533.8	2.1	(NA)
Mineral land and rights ³ mil dol	2 843.3	1 686.3	1 141.8	15.2	(NA)
Capital expenditures during year (except land and mineral rights) mil dol	1 942.8	901.2	1 011.2	4.1	26.2
New capital expenditures during year mil dol	1 365.8	605.2	742.8	2.3	15.6
Buildings and other structures, except land mil dol	139.4	66.0	66.8	(D)	(D)
Machinery and equipment mil dol	1 226.4	539.3	676.0	(D)	(D)
Used capital expenditures during year mil dol	399.4	(D)	147.8	(D)	10.7
Buildings and other structures, except land mil dol	29.6	(D)	22.0	(D)	(D)
Machinery and equipment mil dol	369.8	232.5	125.7	(D)	(D)
Mineral exploration and development ⁴ mil dol	177.5	(D)	120.6	(D)	(NA)
Capitalized mineral land and rights ³ mil dol	211.2	(D)	122.3	(D)	(NA)
Deductions from depreciable assets during year ¹ mil dol	2 036.2	1 100.5	914.9	1.2	19.5
Buildings and other structures, except land ² mil dol	116.3	(D)	70.0	(D)	.9
Machinery and equipment ² mil dol	1 591.8	868.3	704.2	.7	18.7
Mineral exploration and development ³ mil dol	128.7	(D)	77.0	(D)	(NA)
Mineral land and rights ³ mil dol	199.4	(D)	63.7	(D)	(NA)
Gross book value of depreciable assets at end of year ¹ mil dol	26 532.3	13 503.0	12 516.9	170.5	341.9
Buildings and other structures, except land ² mil dol	3 817.5	1 899.6	1 864.5	25.9	27.6
Machinery and equipment ² mil dol	17 576.9	9 260.4	7 874.7	127.6	314.2
Mineral exploration and development ³ mil dol	2 282.7	703.4	1 577.4	1.9	(NA)
Mineral land and rights ³ mil dol	2 855.1	1 639.7	1 200.4	15.1	(NA)
Depreciation and depletion charges for year ¹ mil dol	1 741.9	834.9	866.4	14.3	26.4
Buildings and other structures, except land ² mil dol	188.9	86.2	99.0	1.6	2.1
Machinery and equipment ² mil dol	1 327.2	649.1	642.4	11.4	24.3
Mineral exploration and development ³ mil dol	124.2	42.0	82.1	.2	(NA)
Mineral land and rights ³ mil dol	101.6	57.6	42.8	1.2	(NA)
Rental payments during year mil dol	463.0	241.7	196.7	1.7	22.9
Buildings and other structures, except land mil dol	27.2	16.1	9.1	.1	2.0
Machinery and equipment mil dol	435.8	225.6	187.6	1.6	20.9
Lease rents mil dol	94.6	42.0	52.6	—	(NA)
Expensed mineral exploration, development, land, and rights ⁴ mil dol	1 218.7	472.8	745.9	—	(NA)
Mineral exploration and development mil dol	651.2	(D)	(D)	—	(NA)
Mineral land and rights mil dol	567.5	(D)	(D)	—	(NA)

See footnotes at end of table.

Table 1-3a. **Summary Statistics by Major Group and Industry: 1992—Con.**

[Data in this table are comparable to those published in table 3a of the industry series which has data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Major Group 13, Oil and Gas Extraction					
	Total	Industry 1311, Crude Petroleum and Natural Gas	Industry 1321, Natural Gas Liquids	Industry 1381, Drilling Oil and Gas Wells	Industry 1382, Oil and Gas Field Exploration Services	Industry 1389, Oil and Gas Field Services, N.E.C.
Establishments during year	20 891	9 391	591	2 125	1 490	7 294
With 0 to 19 employees	18 188	8 376	393	1 675	1 406	6 338
With 20 to 99 employees	2 152	725	182	353	66	826
With 100 employees or more	551	290	16	97	18	130
All employees:						
Average for year	1,000.. 344.9	174.8	12.2	47.7	13.7	96.4
Payroll for year	13 396.7	8 422.1	518.1	1 370.6	460.3	2 625.6
Production, development, and exploration workers:						
Average for year	1,000.. 188.2	64.3	8.9	38.6	8.4	68.0
March	1,000.. 190.6	65.7	9.0	38.3	8.7	68.9
May	1,000.. 188.4	65.3	9.0	37.4	8.5	68.2
August	1,000.. 187.1	63.9	9.0	38.1	8.2	67.9
November	1,000.. 187.3	62.4	8.7	40.7	8.1	67.5
Hours	394.5	130.8	18.5	81.4	19.0	144.7
Wages	5 939.4	2 597.1	364.0	993.9	237.9	1 746.5
Supplemental labor costs not included in payroll	2 056.3	1 040.2	119.1	313.1	103.1	480.8
Legally required expenditures, including Social Security contributions	951.8	390.5	37.1	199.6	56.2	268.4
Payments for voluntary programs	1 104.5	649.7	82.0	113.5	46.9	212.4
Value added by mining	80 016.4	66 574.6	4 242.2	2 516.4	725.0	5 958.2
Cost of supplies	44 025.2	16 624.2	23 586.1	1 356.2	411.1	2 047.6
Supplies used, minerals received, and purchased machinery installed	33 999.7	8 169.3	23 149.0	914.3	307.9	1 459.2
Resales	207.4	94.7	—	(D)	(D)	94.0
Purchased fuels consumed	1 278.8	696.1	149.1	190.9	29.3	213.4
Purchased electric energy:						
Quantity	33 036.0	28 959.3	2 942.8	178.9	126.3	828.7
Cost	1 582.0	1 387.6	128.5	10.3	7.1	48.4
Electric energy generated less sold	3 006.8	2 049.1	663.6	(D)	—	(D)
Contract work	6 957.4	6 276.4	159.6	(D)	(D)	232.5
Cost of purchased communication services	127.1	80.3	3.8	10.8	7.4	24.7
Value of shipments and receipts	111 522.7	72 245.4	27 213.8	3 583.6	964.6	7 515.3
Value of resales	217.0	96.5	—	(D)	(D)	101.3
Inventories, end of 1991	3 009.3	2 321.7	80.2	104.9	202.0	300.6
Mined or quarried products	845.0	790.2	54.7	—	—	—
Supplies, parts, fuels, etc.	2 164.3	1 531.4	25.4	104.9	202.0	300.6
Inventories, end of 1992	2 939.9	2 243.2	103.0	101.9	199.5	292.3
Mined or quarried products	910.2	837.3	72.9	—	—	—
Supplies, parts, fuels, etc.	2 029.7	1 405.9	30.1	101.9	199.5	292.3
Gross book value of depreciable assets (usually original cost) at beginning of year ¹	23 292.9	(NA)	7 869.0	6 482.0	1 108.0	7 833.9
Buildings and other structures, except land ²	2 135.8	(NA)	540.5	495.0	170.3	930.0
Machinery and equipment ²	21 157.1	(NA)	7 328.6	5 987.0	937.6	6 903.9
Mineral exploration and development ³	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Mineral land and rights ³	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Capital expenditures during year (except land and mineral rights)	12 518.9	10 953.4	614.6	289.0	171.5	490.5
New capital expenditures during year	4 530.5	3 292.4	534.1	206.4	115.1	382.6
Buildings and other structures, except land	646.4	452.5	134.0	(D)	(D)	39.4
Machinery and equipment	3 884.1	2 839.9	400.1	(D)	(D)	343.2
Used capital expenditures during year	570.3	242.9	80.5	82.6	56.4	107.9
Buildings and other structures, except land	38.2	21.6	2.6	(D)	(D)	8.3
Machinery and equipment	532.0	221.3	77.9	(D)	(D)	99.6
Mineral exploration and development ⁴	7 418.1	7 418.1	(NA)	(NA)	(NA)	(NA)
Capitalized mineral land and rights ³	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Deductions from depreciable assets during year ¹	2 012.0	(NA)	561.8	428.4	229.5	792.3
Buildings and other structures, except land ²	173.3	(NA)	29.8	72.4	2.7	68.4
Machinery and equipment ²	1 838.7	(NA)	532.0	356.0	226.8	723.9
Mineral exploration and development ³	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Mineral land and rights ³	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Gross book value of depreciable assets at end of year ¹	22 846.4	(NA)	7 921.8	6 342.6	1 049.9	7 532.1
Buildings and other structures, except land ²	2 173.1	(NA)	647.3	444.9	171.7	909.3
Machinery and equipment ²	20 673.3	(NA)	7 274.6	5 897.8	878.2	6 622.7
Mineral exploration and development ³	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Mineral land and rights ³	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation and depletion charges for year ¹	1 548.0	(NA)	406.5	383.8	109.1	648.6
Buildings and other structures, except land ²	127.7	(NA)	29.3	26.9	7.3	64.2
Machinery and equipment ²	1 420.3	(NA)	377.2	357.0	101.8	584.4
Mineral exploration and development ³	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Mineral land and rights ³	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Rental payments during year	1 032.8	731.8	33.5	77.8	36.4	153.3
Buildings and other structures, except land	274.9	191.5	4.6	19.7	14.3	44.8
Machinery and equipment	757.9	540.3	28.9	58.1	22.1	108.5
Lease rents	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Expensed mineral exploration, development, land, and rights ⁴	7 289.4	7 289.4	(NA)	(NA)	(NA)	(NA)
Mineral exploration and development	7 289.4	7 289.4	(NA)	(NA)	(NA)	(NA)
Mineral land and rights	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 1-3a. Summary Statistics by Major Group and Industry: 1992—Con.

[Data in this table are comparable to those published in table 3a of the industry series which has data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Major Group 14, Nonmetallic Minerals, Except Fuels						
	Total	Industry 1411, Dimension Stone	Industry 1422, Crushed and Broken Limestone	Industry 1423, Crushed and Broken Granite	Industry 1429, Crushed and Broken Stone, N.E.C.	Industry 1442, Construction Sand and Gravel	Industry 1446, Industrial Sand
Establishments during year number . .	5 804	166	1 432	264	446	2 516	161
With 0 to 19 employees number . .	4 418	149	1 010	138	332	2 137	101
With 20 to 99 employees number . .	1 247	16	390	121	106	369	57
With 100 employees or more number . .	139	1	32	5	8	10	3
All employees:							
Average for year 1,000 . .	105.9	1.4	27.7	6.1	7.8	27.1	3.2
Payroll for year mil dol . .	3 229.6	30.5	784.8	184.6	237.5	790.3	97.6
Production, development, and exploration workers:							
Average for year 1,000 . .	76.8	1.1	20.4	4.9	5.6	19.2	2.2
March 1,000 . .	74.2	1.1	19.4	4.8	5.3	18.0	2.2
May 1,000 . .	78.9	1.2	21.0	5.0	5.8	20.1	2.3
August 1,000 . .	80.2	1.2	21.5	5.0	5.9	20.7	2.2
November 1,000 . .	74.4	1.1	19.9	4.7	5.4	18.1	2.1
Hours millions . .	166.2	2.1	44.4	10.8	11.8	42.7	4.6
Wages mil dol . .	2 147.7	21.4	532.3	137.4	157.5	537.5	55.9
Supplemental labor costs not included in payroll mil dol . .	804.8	7.8	191.2	44.5	57.8	189.3	25.5
Legally required expenditures, including Social Security contributions mil dol . .	346.7	3.5	85.2	17.6	27.3	87.6	10.7
Payments for voluntary programs mil dol . .	458.2	4.3	106.0	27.0	30.5	101.7	14.8
Value added by mining mil dol . .	9 628.5	76.7	2 270.0	659.6	691.0	2 040.2	277.8
Cost of supplies mil dol . .	5 083.0	26.6	1 164.2	305.3	336.0	942.5	158.7
Supplies used, minerals received, and purchased machinery installed mil dol . .	3 082.3	15.3	723.3	211.6	234.4	570.3	87.7
Resales mil dol . .	115.6	2.8	31.2	1.8	6.3	37.1	.9
Purchased fuels consumed mil dol . .	662.8	3.5	146.3	25.5	35.9	128.2	24.8
Purchased electric energy:							
Quantity mil kWh . .	12 793.7	43.0	2 332.2	580.0	626.6	2 156.1	525.7
Cost mil dol . .	680.3	2.7	143.7	35.9	39.4	135.8	30.9
Electric energy generated less sold mil kWh . .	(D)	(D)	12.4	(D)	1.5	9.7	(D)
Contract work mil dol . .	542.1	2.4	119.9	30.6	19.9	71.0	14.3
Cost of purchased communication services mil dol . .	21.6	.2	6.6	1.6	1.7	3.5	.8
Value of shipments and receipts mil dol . .	13 574.1	98.9	3 178.3	895.3	928.3	2 749.7	410.8
Value of resales mil dol . .	129.1	3.1	34.3	2.0	6.7	41.3	1.0
Inventories, end of 1991 mil dol . .	1 982.4	15.1	521.0	172.8	107.1	373.0	46.0
Mined or quarried products mil dol . .	1 603.1	11.7	458.5	160.4	91.8	326.4	23.7
Supplies, parts, fuels, etc. mil dol . .	379.3	3.4	62.5	12.5	15.3	46.6	22.3
Inventories, end of 1992 mil dol . .	2 052.4	15.6	531.5	189.5	113.9	383.3	41.2
Mined or quarried products mil dol . .	1 676.0	12.7	467.5	177.1	98.2	334.9	23.3
Supplies, parts, fuels, etc. mil dol . .	376.5	3.0	64.1	12.4	15.6	48.4	17.9
Gross book value of depreciable assets (usually original cost) at beginning of year ¹ mil dol . .	19 753.0	71.7	4 104.3	1 530.5	1 168.2	3 301.6	549.8
Buildings and other structures, except land ² mil dol . .	1 798.6	7.7	289.8	66.4	142.9	287.9	64.7
Machinery and equipment ² mil dol . .	14 449.7	50.3	3 260.5	1 075.9	821.3	2 460.1	402.2
Mineral exploration and development ³ mil dol . .	542.4	4.0	77.3	32.9	6.3	58.0	33.6
Mineral land and rights ³ mil dol . .	2 962.2	9.6	476.7	355.3	197.7	495.6	49.4
Capital expenditures during year (except land and mineral rights) mil dol . .	1 137.3	4.5	255.9	69.6	98.6	233.1	25.6
New capital expenditures during year mil dol . .	888.9	2.8	180.4	57.0	85.0	159.6	22.6
Buildings and other structures, except land mil dol . .	63.6	.1	9.7	3.5	6.1	14.3	2.6
Machinery and equipment mil dol . .	825.3	2.7	170.7	53.4	78.9	145.3	20.0
Used capital expenditures during year mil dol . .	228.3	(D)	69.8	(D)	13.6	70.1	(D)
Buildings and other structures, except land mil dol . .	6.3	(D)	2.4	(D)	.2	2.4	(D)
Machinery and equipment mil dol . .	221.9	1.4	67.4	9.9	13.4	67.7	1.1
Mineral exploration and development ⁴ mil dol . .	20.2	(D)	5.7	(D)	(Z)	3.4	(D)
Capitalized mineral land and rights ³ mil dol . .	98.8	.2	19.7	(D)	3.6	32.3	(D)
Deductions from depreciable assets during year ¹ mil dol . .	854.6	3.8	216.6	56.2	44.5	238.1	7.1
Buildings and other structures, except land ² mil dol . .	77.1	(D)	10.3	(D)	4.6	20.9	(D)
Machinery and equipment ² mil dol . .	656.7	3.1	189.9	34.3	37.2	193.3	5.3
Mineral exploration and development ³ mil dol . .	15.7	(D)	4.5	(D)	2.6	1.7	(D)
Mineral land and rights ³ mil dol . .	105.1	.4	11.9	(D)	(Z)	22.2	(D)
Gross book value of depreciable assets at end of year ¹ mil dol . .	20 134.6	72.6	4 163.4	1 545.1	1 225.9	3 328.9	575.0
Buildings and other structures, except land ² mil dol . .	1 791.5	7.5	291.6	66.5	144.6	283.7	67.1
Machinery and equipment ² mil dol . .	14 840.2	51.3	3 308.7	1 104.9	876.4	2 479.9	417.9
Mineral exploration and development ³ mil dol . .	547.0	4.3	78.5	34.5	6.3	59.7	34.7
Mineral land and rights ³ mil dol . .	2 955.9	9.5	484.5	339.2	198.7	505.7	55.3
Depreciation and depletion charges for year ¹ mil dol . .	1 231.7	5.8	317.4	101.5	93.6	267.4	35.5
Buildings and other structures, except land ² mil dol . .	96.4	.5	18.4	4.6	8.4	21.0	3.3
Machinery and equipment ² mil dol . .	1 013.8	4.3	277.3	84.9	77.2	211.3	29.5
Mineral exploration and development ³ mil dol . .	21.2	.2	4.0	2.2	.7	4.3	2.2
Mineral land and rights ³ mil dol . .	100.2	.9	17.7	9.8	7.2	30.8	.6
Rental payments during year mil dol . .	152.6	1.6	36.7	11.0	10.2	54.0	3.1
Buildings and other structures, except land mil dol . .	18.2	.1	5.4	.3	1.1	7.9	.2
Machinery and equipment mil dol . .	134.4	1.5	31.3	10.6	9.1	46.1	2.9
Lease rents mil dol . .	30.1	(Z)	9.2	1.7	2.0	8.5	.8
Expensed mineral exploration, development, land, and rights ⁴ mil dol . .	229.6	.8	41.9	15.1	17.7	67.5	8.2
Mineral exploration and development mil dol . .	119.5	(D)	20.0	6.1	11.3	45.6	5.6
Mineral land and rights mil dol . .	110.1	(D)	21.9	9.0	6.4	21.9	2.5

See footnotes at end of table.

Table 1-3a. Summary Statistics by Major Group and Industry: 1992—Con.

[Data in this table are comparable to those published in table 3a of the industry series which has data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Major Group 14, Nonmetallic Minerals, Except Fuels—Con.						
	Industry 1455, Kaolin and Ball Clay	Industry 1459, Clay, Ceramic and Refractory Minerals, N.E.C.	Industry 1474, Potash, Soda, and Borate Minerals	Industry 1475, Phosphate Rock	Industry 1479, Chemical and Fertilizer Mineral Mining, N.E.C.	Industry 1481, Nonmetallic Minerals Services, Except Fuels	Industry 1499, Miscellaneous Nonmetallic Minerals, Except Fuels
Establishments during year number . .	45	155	33	28	99	178	281
With 0 to 19 employees number . .	10	90	9	7	64	162	209
With 20 to 99 employees number . .	25	52	8	8	19	14	62
With 100 employees or more number . .	10	13	16	13	16	2	10
All employees:							
Average for year 1,000 . .	5.0	5.0	5.5	5.4	4.1	2.0	5.5
Payroll for year mil dol . .	180.4	137.4	225.4	192.7	160.9	52.0	155.6
Production, development, and exploration workers:							
Average for year 1,000 . .	3.7	3.8	4.3	4.2	2.2	1.5	3.8
March 1,000 . .	3.6	3.9	4.3	4.3	2.2	1.4	3.8
May 1,000 . .	3.7	3.9	4.3	4.3	2.2	1.6	3.9
August 1,000 . .	3.7	3.9	4.2	4.2	2.2	1.6	3.9
November 1,000 . .	3.7	3.8	4.3	3.9	2.3	1.4	3.7
Hours millions . .	8.1	8.5	8.9	8.6	4.7	3.0	7.9
Wages mil dol . .	114.9	95.7	157.8	128.7	72.8	38.9	96.9
Supplemental labor costs not included in payroll mil dol . .	47.3	33.6	70.5	56.8	33.6	11.1	35.8
Legally required expenditures, including Social Security contributions mil dol . .	14.7	14.3	30.1	20.3	12.8	5.3	17.4
Payments for voluntary programs mil dol . .	32.6	19.3	40.4	36.5	20.8	5.8	18.4
Value added by mining mil dol . .	506.3	430.2	1 154.8	690.0	277.0	136.0	419.0
Cost of supplies mil dol . .	327.1	220.5	424.9	633.9	255.8	67.7	219.7
Supplies used, minerals received, and purchased machinery installed mil dol . .	183.6	131.1	218.4	353.9	169.0	42.1	141.5
Resales mil dol . .	6.6	(D)	(D)	—	7.0	3.5	(D)
Purchased fuels consumed mil dol . .	42.1	40.9	106.1	19.4	48.6	11.0	30.5
Purchased electric energy:							
Quantity mil kWh . .	860.2	458.8	1 569.7	2 860.6	293.7	23.4	463.7
Cost mil dol . .	37.2	24.8	66.0	116.5	19.3	1.3	26.7
Electric energy generated less sold mil kWh . .	(Z)	—	(D)	—	(D)	(D)	(D)
Contract work mil dol . .	57.6	(D)	(D)	144.2	11.8	9.7	(D)
Cost of purchased communication services mil dol . .	1.1	.8	1.2	1.9	.9	.3	1.0
Value of shipments and receipts mil dol . .	780.4	619.8	1 515.7	1 188.9	422.8	188.9	596.3
Value of resales mil dol . .	7.3	(D)	(D)	—	8.2	4.2	(D)
Inventories, end of 1991 mil dol . .	95.4	97.4	140.1	275.1	44.8	11.6	83.0
Mined or quarried products mil dol . .	70.4	71.2	86.4	211.5	30.9	—	60.4
Supplies, parts, fuels, etc. mil dol . .	25.0	26.2	53.7	63.6	14.0	11.6	22.6
Inventories, end of 1992 mil dol . .	97.9	98.2	130.1	309.4	45.8	11.7	84.4
Mined or quarried products mil dol . .	74.5	72.1	79.5	246.2	29.0	—	61.2
Supplies, parts, fuels, etc. mil dol . .	23.3	26.1	50.6	63.2	16.8	11.7	23.2
Gross book value of depreciable assets (usually original cost) at beginning of year ¹ mil dol . .	926.3	564.6	2 060.3	3 275.3	1 331.5	175.2	693.8
Buildings and other structures, except land ² mil dol . .	109.3	64.3	239.7	312.9	99.3	14.3	99.3
Machinery and equipment ² mil dol . .	711.3	433.2	1 461.0	2 001.4	1 118.8	160.9	493.0
Mineral exploration and development ³ mil dol . .	7.1	4.6	(D)	19.0	(D)	(NA)	(D)
Mineral land and rights ³ mil dol . .	98.7	62.5	(D)	941.9	(D)	(NA)	(D)
Capital expenditures during year (except land and mineral rights) mil dol . .	53.0	30.9	64.0	134.9	110.0	14.8	42.4
New capital expenditures during year mil dol . .	(D)	26.0	61.1	(D)	107.6	9.4	36.8
Buildings and other structures, except land mil dol . .	(D)	2.6	(D)	(D)	4.8	—	(D)
Machinery and equipment mil dol . .	42.6	23.4	(D)	(D)	102.8	9.3	(D)
Used capital expenditures during year mil dol . .	(D)	(D)	(D)	(D)	(D)	5.3	4.5
Buildings and other structures, except land mil dol . .	(D)	(D)	(D)	—	(D)	(Z)	(D)
Machinery and equipment mil dol . .	(D)	(D)	(D)	(D)	1.7	5.3	(D)
Mineral exploration and development ⁴ mil dol . .	(D)	(D)	(D)	.2	(D)	(NA)	1.1
Capitalized mineral land and rights ³ mil dol . .	(D)	.9	(Z)	(D)	.3	(NA)	1.0
Deductions from depreciable assets during year ¹ mil dol . .	13.7	13.5	30.0	190.3	13.1	11.4	16.4
Buildings and other structures, except land ² mil dol . .	(D)	(D)	(D)	(D)	(D)	.4	1.7
Machinery and equipment ² mil dol . .	(D)	(D)	(D)	(D)	10.5	11.0	13.5
Mineral exploration and development ³ mil dol . .	(D)	(D)	(D)	—	(D)	(NA)	.1
Mineral land and rights ³ mil dol . .	(D)	4.3	(D)	(D)	(D)	(NA)	1.1
Gross book value of depreciable assets at end of year ¹ mil dol . .	968.1	582.9	2 094.3	3 250.2	1 428.8	178.6	720.7
Buildings and other structures, except land ² mil dol . .	112.9	66.6	248.0	285.4	102.6	14.1	100.9
Machinery and equipment ² mil dol . .	746.7	452.6	1 492.3	2 014.7	1 212.8	164.5	517.5
Mineral exploration and development ³ mil dol . .	8.4	4.6	(D)	19.3	(D)	(NA)	(D)
Mineral land and rights ³ mil dol . .	100.1	59.1	(D)	930.9	(D)	(NA)	(D)
Depreciation and depletion charges for year ¹ mil dol . .	61.8	34.7	91.5	121.1	42.9	17.9	40.8
Buildings and other structures, except land ² mil dol . .	5.3	2.6	8.3	14.6	4.5	1.0	3.9
Machinery and equipment ² mil dol . .	51.7	28.9	77.0	84.2	36.7	16.9	34.0
Mineral exploration and development ³ mil dol . .	(D)	.2	3.9	—	(D)	(NA)	1.0
Mineral land and rights ³ mil dol . .	(D)	3.0	2.3	22.0	(D)	(NA)	2.0
Rental payments during year mil dol . .	6.5	3.6	1.4	6.9	7.6	4.1	5.9
Buildings and other structures, except land mil dol . .	.7	.7	.1	(D)	.1	.8	(D)
Machinery and equipment mil dol . .	5.8	2.9	1.4	(D)	7.5	3.4	(D)
Lease rents mil dol . .	3.8	(D)	.5	.3	(D)	(NA)	2.5
Expensed mineral exploration, development, land, and rights ⁴ mil dol . .	7.3	(D)	14.5	(D)	1.1	(NA)	4.9
Mineral exploration and development mil dol . .	(D)	(D)	(D)	(D)	(D)	(NA)	4.7
Mineral land and rights mil dol . .	(D)	1.0	(D)	(D)	(D)	(NA)	.2

¹Excludes data for crude petroleum and natural gas industry. Data for mineral exploration and development and mineral land and rights portions are excluded for mining service industries and natural gas liquids industry.

²Excludes data for crude petroleum and natural gas industry.

³Excludes data for mining service industries and oil and gas extraction industries.

⁴Excludes data for mining service industries and natural gas liquids industry.

Table 1–3b. Inventories by Major Group and Industry: 1992

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

Item	All mineral industries	Major Group 10, Metal Mining			
		Total	Industry 1011, Iron Ores	Industry 1021, Copper Ores	Industry 1031, Lead and Zinc Ores
Beginning-of-year inventories.....	7 927.2	1 387.9	225.1	339.2	157.4
Detail by method of valuation:					
Subject to LIFO costing ¹	625.5	(D)	(D)	(D)	—
LIFO reserve.....	224.4	(D)	(D)	(D)	—
LIFO value.....	401.1	33.3	(D)	(D)	—
Not subject to LIFO costing.....	5 121.6	1 206.0	203.6	(D)	(D)
Valuation method not reported ²	1 948.5	113.8	2.6	(D)	(D)
Amount subject to LIFO reported without associated reserve and value ³	231.6	(D)	(D)	(D)	(D)
End-of-year inventories.....	7 930.4	1 381.1	221.2	360.8	140.1
Detail by method of valuation:					
Subject to LIFO costing ¹	650.8	(D)	(D)	(D)	—
LIFO reserve.....	197.6	(D)	(D)	(D)	—
LIFO value.....	453.2	29.9	(D)	(D)	—
Not subject to LIFO costing.....	5 053.9	1 215.1	197.9	(D)	(D)
Valuation method not reported ²	1 985.5	104.3	2.5	(D)	(D)
Amount subject to LIFO reported without associated reserve and value ³	240.2	(D)	(D)	(D)	(D)
			Major Group 10, Metal Mining—Con.		
Item	Industry 1041, Gold Ores	Industry 1044, Silver Ores	Industry 1081, Metal Mining Services	Industry 1094, Uranium-Radium-Vanadium Ores	Industries 1099 and 1061, Miscellaneous Metal Ores, N.E.C., and Ferroalloy Ores, Except Vanadium
Beginning-of-year inventories.....	422.0	56.5	21.4	73.8	92.6
Detail by method of valuation:					
Subject to LIFO costing ¹	(D)	—	—	—	(D)
LIFO reserve.....	(D)	—	—	—	(D)
LIFO value.....	(D)	—	—	—	(D)
Not subject to LIFO costing.....	331.5	55.6	12.5	65.3	81.8
Valuation method not reported ²	62.7	.9	(D)	8.5	(D)
Amount subject to LIFO reported without associated reserve and value ³	(D)	—	(D)	—	—
End-of-year inventories.....	440.4	45.6	24.6	70.7	77.9
Detail by method of valuation:					
Subject to LIFO costing ¹	(D)	—	—	—	(D)
LIFO reserve.....	(D)	—	—	—	(D)
LIFO value.....	(D)	—	—	—	(D)
Not subject to LIFO costing.....	365.9	44.6	15.7	62.1	69.5
Valuation method not reported ²	53.5	1.0	(D)	8.5	(D)
Amount subject to LIFO reported without associated reserve and value ³	(D)	—	(D)	—	—
			Major Group 12, Bituminous Coal and Lignite Mining		
Item	Total	Industry 1221, Bituminous Coal and Lignite Surface Mining	Industry 1222, Bituminous Coal Underground Mining	Industry 1231, Anthracite Mining	Industry 1241, Coal Mining Services
Beginning-of-year inventories.....	1 547.7	775.1	723.3	15.8	33.5
Detail by method of valuation:					
Subject to LIFO costing ¹	(D)	(D)	(D)	—	(D)
LIFO reserve.....	(D)	(D)	(D)	—	(D)
LIFO value.....	(D)	(D)	(D)	—	(D)
Not subject to LIFO costing.....	1 104.1	591.1	500.9	5.6	6.5
Valuation method not reported ²	295.1	147.7	(D)	(D)	(D)
Amount subject to LIFO reported without associated reserve and value ³	(D)	(D)	(D)	(D)	—
End-of-year inventories.....	1 556.9	760.1	746.4	14.5	35.9
Detail by method of valuation:					
Subject to LIFO costing ¹	(D)	(D)	(D)	—	(D)
LIFO reserve.....	(D)	(D)	(D)	—	(D)
LIFO value.....	(D)	(D)	(D)	—	(D)
Not subject to LIFO costing.....	1 074.3	568.4	493.9	5.2	6.8
Valuation method not reported ²	306.3	157.3	113.4	(D)	(D)
Amount subject to LIFO reported without associated reserve and value ³	(D)	(D)	(D)	(D)	—

See footnotes at end of table.

Table 1–3b. Inventories by Major Group and Industry: 1992—Con.

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

Item	Major Group 13, Oil and Gas Extraction					
	Total	Industry 1311, Crude Petroleum and Natural Gas	Industry 1321, Natural Gas Liquids	Industry 1381, Drilling Oil and Gas Wells	Industry 1382, Oil and Gas Field Exploration Services	Industry 1389, Oil and Gas Field Services, N.E.C.
Beginning-of-year inventories	3 009.3	2 321.7	80.2	104.9	202.0	300.6
Detail by method of valuation:						
Subject to LIFO costing ¹	234.8	(D)	(D)	(D)	—	(D)
LIFO reserve	(D)	(D)	(D)	(D)	—	(D)
LIFO value	(D)	(D)	—	(D)	—	(D)
Not subject to LIFO costing	1 634.1	1 179.4	43.8	59.7	172.9	178.3
Valuation method not reported ²	1 117.1	927.5	28.9	(D)	29.1	(D)
Amount subject to LIFO reported without associated reserve and value ³	23.3	(D)	(D)	—	—	3.8
End-of-year inventories	2 939.9	2 243.2	103.0	101.9	199.5	292.3
Detail by method of valuation:						
Subject to LIFO costing ¹	254.3	(D)	(D)	(D)	—	(D)
LIFO reserve	(D)	(D)	(D)	(D)	—	(D)
LIFO value	(D)	(D)	(D)	(D)	—	(D)
Not subject to LIFO costing	1 518.5	1 070.8	43.3	57.9	168.8	177.7
Valuation method not reported ²	1 146.5	938.3	54.6	(D)	30.7	(D)
Amount subject to LIFO reported without associated reserve and value ³	20.7	(D)	(D)	—	—	4.6

Item	Major Group 14, Nonmetallic Minerals, Except Fuels						
	Total	Industry 1411, Dimension Stone	Industry 1422, Crushed and Broken Limestone	Industry 1423, Crushed and Broken Granite	Industry 1429, Crushed and Broken Stone, N.E.C.	Industry 1442, Construction Sand and Gravel	Industry 1446, Industrial Sand
Beginning-of-year inventories	1 982.4	15.1	521.0	172.8	107.1	373.0	46.0
Detail by method of valuation:							
Subject to LIFO costing ¹	319.7	—	69.4	(D)	9.6	24.3	(D)
LIFO reserve	70.3	—	12.2	(D)	(D)	5.0	(D)
LIFO value	249.4	—	57.2	(D)	(D)	19.3	1.7
Not subject to LIFO costing	1 177.4	(D)	302.9	122.5	58.9	149.7	27.4
Valuation method not reported ²	422.4	8.1	123.4	(D)	30.9	182.9	16.0
Amount subject to LIFO reported without associated reserve and value ³	62.8	(D)	25.4	(D)	7.8	16.1	(D)
End-of-year inventories	2 052.4	15.6	531.5	189.5	113.9	383.3	41.2
Detail by method of valuation:							
Subject to LIFO costing ¹	325.0	—	71.1	(D)	9.6	24.7	(D)
LIFO reserve	59.5	—	10.5	(D)	(D)	5.0	(D)
LIFO value	265.5	—	60.6	(D)	(D)	19.7	1.8
Not subject to LIFO costing	1 246.0	(D)	310.5	135.7	64.5	156.7	22.7
Valuation method not reported ²	428.4	7.6	127.2	(D)	31.5	186.0	15.8
Amount subject to LIFO reported without associated reserve and value ³	52.9	(D)	22.7	(D)	8.3	15.9	(D)

Item	Major Group 14, Nonmetallic Minerals, Except Fuels—Con.						
	Industry 1455, Kaolin and Ball Clay	Industry 1459, Clay, Ceramic and Refractory Minerals, N.E.C.	Industry 1474, Potash, Soda, and Borate Minerals	Industry 1475, Phosphate Rock	Industry 1479, Chemical and Fertilizer Mineral Mining, N.E.C.	Industry 1481, Nonmetallic Minerals Services, Except Fuels	Industry 1499, Miscellaneous Nonmetallic Minerals, Except Fuels
Beginning-of-year inventories	95.4	97.4	140.1	275.1	44.8	11.6	83.0
Detail by method of valuation:							
Subject to LIFO costing ¹	(D)	10.1	(D)	(D)	(D)	—	(D)
LIFO reserve	(D)	3.7	(D)	(D)	(D)	—	(D)
LIFO value	(D)	6.4	26.2	52.2	(D)	—	22.0
Not subject to LIFO costing	(D)	82.0	100.7	189.9	24.1	3.7	38.1
Valuation method not reported ²	—	(D)	.6	(D)	7.1	7.9	21.0
Amount subject to LIFO reported without associated reserve and value ³	—	(D)	(D)	—	(D)	—	(D)
End-of-year inventories	97.9	98.2	130.1	309.4	45.8	11.7	84.4
Detail by method of valuation:							
Subject to LIFO costing ¹	(D)	8.4	(D)	(D)	(D)	—	(D)
LIFO reserve	(D)	2.9	(D)	(D)	(D)	—	(D)
LIFO value	(D)	5.4	19.5	66.5	(D)	—	23.4
Not subject to LIFO costing	(D)	84.5	105.7	214.4	29.6	4.0	37.7
Valuation method not reported ²	—	(D)	.6	(D)	5.7	7.7	21.4
Amount subject to LIFO reported without associated reserve and value ³	—	(D)	(D)	—	(D)	—	(D)

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 LIFO reserve and value figures.

Table 1-3c. Selected Statistics by Type of Operation and Industry: 1992

[Data in this table are comparable to those published in table 3b of the industry series which has data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry group, industry, and item	All types of establishments	Producing establishments										Non-producing establishments	
			Total	Mines only			Mines with preparation plants				Separately operated preparation plants	Undistributed ¹		
				Total	Underground mines	Open pit mines	Combination methods, well operations, and other methods	Total	Underground mines	Open pit mines				Combination and other methods
	ALL INDUSTRIES													
	Establishments..... number..	30 787	30 272	10 950	810	1 383	8 757	4 174	373	3 622	179	688	14 460	515
	Employees .....1,000..	638.2	634.3	152.5	26.0	21.7	104.9	194.4	57.3	124.7	12.5	(D)	(D)	3.9
	Value added in mining mil dol..	113 621.3	113 535.3	71 513.4	2 548.2	2 234.1	66 731.1	26 073.4	7 903.3	16 675.8	1 494.3	(D)	(D)	86.0
10	METAL MINING													
	Establishments..... number..	1 023	891	110	74	33	3	176	39	119	18	16	589	132
	Employees .....1,000..	52.9	(D)	(D)	(D)	.3	(D)	41.3	(D)	29.4	(D)	(D)	(D)	(D)
	Value added in mining mil dol..	6 724.0	(D)	(D)	(D)	29.6	(D)	5 913.5	(D)	4 682.9	(D)	(D)	(D)	(D)
101	Iron ores													
	Establishments..... number..	40	39	13	-	13	-	10	1	9	-	7	9	1
	Employees .....1,000..	8.7	(D)	(D)	-	(D)	-	7.8	(D)	(D)	-	.3	(D)	(D)
	Value added in mining mil dol..	985.4	(D)	(D)	-	(D)	-	938.9	(D)	(D)	-	25.2	(D)	(D)
1011	Iron ores													
	Establishments..... number..	40	39	13	-	13	-	10	1	9	-	7	9	1
	Employees .....1,000..	8.7	(D)	(D)	-	(D)	-	7.8	(D)	(D)	-	.3	(D)	(D)
	Value added in mining mil dol..	985.4	(D)	(D)	-	(D)	-	938.9	(D)	(D)	-	25.2	(D)	(D)
102	Copper ores													
	Establishments..... number..	62	51	9	1	7	1	25	5	16	4	3	14	11
	Employees .....1,000..	14.9	14.8	.1	(D)	(D)	(D)	1.7	8.3	(D)	(D)	(D)	1.1	.1
	Value added in mining mil dol..	2 169.4	2 157.7	7.4	(D)	(D)	(D)	113.8	1 483.3	(D)	(D)	(D)	-	11.7
1021	Copper ores													
	Establishments..... number..	62	51	9	1	7	1	25	5	16	4	3	14	11
	Employees .....1,000..	14.9	14.8	.1	(D)	(D)	(D)	1.7	8.3	(D)	(D)	(D)	1.1	.1
	Value added in mining mil dol..	2 169.4	2 157.7	7.4	(D)	(D)	(D)	113.8	1 483.3	(D)	(D)	(D)	-	11.7
103	Lead and zinc ores													
	Establishments..... number..	44	37	12	12	-	-	18	17	-	1	-	7	7
	Employees .....1,000..	2.8	2.7	(D)	(D)	-	-	(D)	(D)	-	(D)	-	.2	.1
	Value added in mining mil dol..	287.1	288.2	(D)	(D)	-	-	(D)	(D)	-	(D)	-	-	-1.1
1031	Lead and zinc ores													
	Establishments..... number..	44	37	12	12	-	-	18	17	-	1	-	7	7
	Employees .....1,000..	2.8	2.7	(D)	(D)	-	-	(D)	(D)	-	(D)	-	.2	.1
	Value added in mining mil dol..	287.1	288.2	(D)	(D)	-	-	(D)	(D)	-	(D)	-	-	-1.1
104	Gold and silver ores													
	Establishments..... number..	426	339	34	21	12	1	109	13	84	12	3	193	87
	Employees .....1,000..	19.2	18.2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.7	(Z)	(D)	1.0
	Value added in mining mil dol..	2 746.1	2 654.2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	331.4	1.8	(D)	91.9
1041	Gold ores													
	Establishments..... number..	402	318	20	8	11	1	104	10	82	12	3	191	84
	Employees .....1,000..	18.2	17.3	.2	(D)	.1	(D)	15.5	.7	12.2	2.7	(Z)	1.5	.9
	Value added in mining mil dol..	2 688.4	2 595.3	12.1	(D)	6.7	(D)	2 552.8	64.1	2 157.3	331.4	1.8	28.6	93.1
1044	Silver ores													
	Establishments..... number..	24	21	14	13	1	-	5	3	2	-	-	2	3
	Employees .....1,000..	1.0	1.0	(D)	(Z)	(D)	-	(D)	(D)	(D)	-	-	(D)	(Z)
	Value added in mining mil dol..	57.6	58.9	(D)	2.1	(D)	-	(D)	(D)	(D)	-	-	-	-1.3
108	Metal mining services													
	Establishments..... number..	266	266	-	-	-	-	-	-	-	-	-	266	-
	Employees .....1,000..	3.3	3.3	-	-	-	-	-	-	-	-	-	3.3	-
	Value added in mining mil dol..	258.8	258.8	-	-	-	-	-	-	-	-	-	258.8	-
1081	Metal mining services													
	Establishments..... number..	266	266	-	-	-	-	-	-	-	-	-	266	-
	Employees .....1,000..	3.3	3.3	-	-	-	-	-	-	-	-	-	3.3	-
	Value added in mining mil dol..	258.8	258.8	-	-	-	-	-	-	-	-	-	258.8	-
109, 106	Miscellaneous metal ores and ferroalloy ores, except vanadium													
	Establishments..... number..	185	159	42	40	1	1	14	3	10	1	3	100	26
	Employees .....1,000..	4.0	3.8	.6	(D)	(D)	(D)	(D)	(D)	1.0	(D)	(D)	(D)	.2
	Value added in mining mil dol..	277.4	266.2	47.3	(D)	(D)	(D)	(D)	(D)	83.4	(D)	(D)	(D)	11.1
1094	Uranium-radium-vanadium ores													
	Establishments..... number..	78	58	41	40	1	-	3	1	1	1	2	12	20
	Employees .....1,000..	1.2	1.0	(D)	(D)	(D)	-	(D)	(D)	(D)	(D)	(D)	.2	.2
	Value added in mining mil dol..	69.4	57.1	(D)	(D)	(D)	-	(D)	(D)	(D)	(D)	(D)	-	12.3

See footnotes at end of table.

Table 1-3c. Selected Statistics by Type of Operation and Industry: 1992—Con.

[Data in this table are comparable to those published in table 3b of the industry series which has data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry group, industry, and item	All types of establishments	Producing establishments										Non-producing establishments	
			Total	Mines only			Mines with preparation plants				Separately operated preparation plants	Undistributed ¹		
				Total	Underground mines	Open pit mines	Combination methods, well operations, and other methods	Total	Underground mines	Open pit mines				Combination and other methods
10	METAL MINING—Con.													
109, 106	Miscellaneous metal ores and ferroalloy ores, except vanadium—Con.													
1099, 1061	Miscellaneous metal ores, n.e.c., and ferroalloy ores, except vanadium													
	Establishments..... number..	107	101	1	—	—	1	11	2	9	—	1	88	6
	Employees.....1,000..	2.8	(D)	(D)	—	—	(D)	1.9	(D)	(D)	—	(D)	(D)	.1
	Value added in mining..... mil dol..	208.0	209.2	(D)	—	—	(D)	178.9	(D)	(D)	—	(D)	(D)	-1.2
12	COAL MINING													
	Establishments..... number..	3 069	2 986	1 699	734	946	19	568	265	258	45	89	630	83
	Employees.....1,000..	134.5	(D)	(D)	(D)	15.9	.5	75.1	(D)	28.1	(D)	3.1	(D)	(D)
	Value added in mining..... mil dol..	17 252.4	(D)	(D)	(D)	1 790.8	53.9	12 026.6	(D)	5 271.4	(D)	520.0	(D)	(D)
122	Bituminous coal and lignite mining													
	Establishments..... number..	2 635	2 555	1 657	721	917	19	546	263	246	37	84	268	80
	Employees.....1,000..	128.5	127.3	41.0	24.8	15.8	.5	74.1	43.6	27.7	2.8	3.0	9.1	1.2
	Value added in mining..... mil dol..	16 776.8	16 753.1	4 281.9	2 451.0	1 777.0	53.9	11 953.3	6 286.5	5 238.3	428.6	517.9	—	23.7
1221	Bituminous coal and lignite surface mining													
	Establishments..... number..	1 502	1 446	936	—	917	19	283	—	246	37	84	143	56
	Employees.....1,000..	55.5	55.0	16.3	—	15.8	.5	30.5	—	27.7	2.8	3.0	5.2	.6
	Value added in mining..... mil dol..	8 028.0	8 015.6	1 830.9	—	1 777.0	53.9	5 666.9	—	5 238.3	428.6	517.9	—	12.3
1222	Bituminous coal underground mining													
	Establishments..... number..	1 133	1 109	721	721	—	—	263	263	—	—	—	125	24
	Employees.....1,000..	73.0	72.3	24.8	24.8	—	—	43.6	43.6	—	—	—	3.9	.7
	Value added in mining..... mil dol..	8 748.9	8 737.5	2 451.0	2 451.0	—	—	6 286.5	6 286.5	—	—	—	—	11.4
123	Anthracite mining													
	Establishments..... number..	76	73	42	13	29	—	22	2	12	8	5	4	3
	Employees.....1,000..	1.4	(D)	(D)	(D)	.1	—	.9	(D)	.4	(D)	.1	(D)	(D)
	Value added in mining..... mil dol..	97.2	(D)	(D)	(D)	13.8	—	73.2	(D)	33.1	(D)	2.1	—	(D)
1231	Anthracite mining													
	Establishments..... number..	76	73	42	13	29	—	22	2	12	8	5	4	3
	Employees.....1,000..	1.4	(D)	(D)	(D)	.1	—	.9	(D)	.4	(D)	.1	(D)	(D)
	Value added in mining..... mil dol..	97.2	(D)	(D)	(D)	13.8	—	73.2	(D)	33.1	(D)	2.1	—	(D)
124	Coal mining services													
	Establishments..... number..	358	358	—	—	—	—	—	—	—	—	—	358	—
	Employees.....1,000..	4.6	4.6	—	—	—	—	—	—	—	—	—	4.6	—
	Value added in mining..... mil dol..	378.3	378.3	—	—	—	—	—	—	—	—	—	378.3	—
1241	Coal mining services													
	Establishments..... number..	358	358	—	—	—	—	—	—	—	—	—	358	—
	Employees.....1,000..	4.6	4.6	—	—	—	—	—	—	—	—	—	4.6	—
	Value added in mining..... mil dol..	378.3	378.3	—	—	—	—	—	—	—	—	—	378.3	—
13	OIL AND GAS EXTRACTION													
	Establishments..... number..	20 891	20 632	8 723	—	—	8 723	—	—	—	—	536	11 373	259
	Employees.....1,000..	344.9	343.9	104.0	—	—	104.0	—	—	—	—	10.3	229.6	1.0
	Value added in mining..... mil dol..	80 016.4	80 065.2	66 623.4	—	—	66 623.4	—	—	—	—	4 242.2	9 199.5	-48.8
131	Crude petroleum and natural gas													
	Establishments..... number..	9 391	9 147	8 723	—	—	8 723	—	—	—	—	—	424	244
	Employees.....1,000..	174.8	173.9	104.0	—	—	104.0	—	—	—	—	—	70.0	.9
	Value added in mining..... mil dol..	66 574.6	66 623.4	66 623.4	—	—	66 623.4	—	—	—	—	—	—	-48.8
1311	Crude petroleum and natural gas													
	Establishments..... number..	9 391	9 147	8 723	—	—	8 723	—	—	—	—	—	424	244
	Employees.....1,000..	174.8	173.9	104.0	—	—	104.0	—	—	—	—	—	70.0	.9
	Value added in mining..... mil dol..	66 574.6	66 623.4	66 623.4	—	—	66 623.4	—	—	—	—	—	—	-48.8
132	Natural gas liquids													
	Establishments..... number..	591	576	—	—	—	—	—	—	—	—	536	40	15
	Employees.....1,000..	12.2	12.0	—	—	—	—	—	—	—	—	10.3	1.8	.1
	Value added in mining..... mil dol..	4 242.2	4 242.2	—	—	—	—	—	—	—	—	4 242.2	—	(Z)

See footnotes at end of table.

Table 1-3c. **Selected Statistics by Type of Operation and Industry: 1992—Con.**

[Data in this table are comparable to those published in table 3b of the industry series which has data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry group, industry, and item	All types of establishments	Producing establishments										Non-producing establishments	
			Total	Mines only			Mines with preparation plants				Separately operated preparation plants	Undistributed ¹		
				Total	Underground mines	Open pit mines	Combination methods, well operations, and other methods	Total	Underground mines	Open pit mines				Combination and other methods
13	OIL AND GAS EXTRACTION—Con.													
132	Natural gas liquids—Con.													
1321	Natural gas liquids													
	Establishments..... number..	591	576	—	—	—	—	—	—	—	—	536	40	15
	Employees.....1,000..	12.2	12.0	—	—	—	—	—	—	—	—	10.3	1.8	.1
	Value added in mining.....mil dol..	4 242.2	4 242.2	—	—	—	—	—	—	—	—	4 242.2	—	(Z)
138	Oil and gas field services													
	Establishments..... number..	10 909	10 909	—	—	—	—	—	—	—	—	—	10 909	—
	Employees.....1,000..	157.9	157.9	—	—	—	—	—	—	—	—	—	157.9	—
	Value added in mining.....mil dol..	9 199.5	9 199.5	—	—	—	—	—	—	—	—	—	9 199.5	—
1381	Drilling oil and gas wells													
	Establishments..... number..	2 125	2 125	—	—	—	—	—	—	—	—	—	2 125	—
	Employees.....1,000..	47.7	47.7	—	—	—	—	—	—	—	—	—	47.7	—
	Value added in mining.....mil dol..	2 516.4	2 516.4	—	—	—	—	—	—	—	—	—	2 516.4	—
1382	Oil and gas field exploration services													
	Establishments..... number..	1 490	1 490	—	—	—	—	—	—	—	—	—	1 490	—
	Employees.....1,000..	13.7	13.7	—	—	—	—	—	—	—	—	—	13.7	—
	Value added in mining.....mil dol..	725.0	725.0	—	—	—	—	—	—	—	—	—	725.0	—
1389	Oil and gas field services, n.e.c.													
	Establishments..... number..	7 294	7 294	—	—	—	—	—	—	—	—	—	7 294	—
	Employees.....1,000..	96.4	96.4	—	—	—	—	—	—	—	—	—	96.4	—
	Value added in mining.....mil dol..	5 958.2	5 958.2	—	—	—	—	—	—	—	—	—	5 958.2	—
14	NONMETALLIC MINERALS, EXCEPT FUELS													
	Establishments..... number..	5 804	5 763	418	2	404	12	3 430	69	3 245	116	47	1 868	41
	Employees.....1,000..	105.9	105.6	5.9	(D)	5.4	(D)	78.1	7.4	67.1	3.5	.8	20.9	.2
	Value added in mining.....mil dol..	9 628.5	9 630.8	473.3	(D)	413.7	(D)	8 133.4	1 029.4	6 721.6	382.4	41.6	982.5	-2.3
141	Dimension stone													
	Establishments..... number..	166	166	147	—	147	—	17	—	16	1	—	2	—
	Employees.....1,000..	1.4	1.4	1.1	—	1.1	—	(D)	—	(D)	(D)	—	(D)	—
	Value added in mining.....mil dol..	76.7	76.7	64.7	—	64.7	—	(D)	—	(D)	(D)	—	—	—
1411	Dimension stone													
	Establishments..... number..	166	166	147	—	147	—	17	—	16	1	—	2	—
	Employees.....1,000..	1.4	1.4	1.1	—	1.1	—	(D)	—	(D)	(D)	—	(D)	—
	Value added in mining.....mil dol..	76.7	76.7	64.7	—	64.7	—	(D)	—	(D)	(D)	—	—	—
142	Crushed and broken stone, including riprap													
	Establishments..... number..	2 142	2 129	48	—	48	—	1 911	40	1 853	18	25	145	13
	Employees.....1,000..	41.6	41.6	(D)	—	(D)	—	37.7	(D)	35.5	(D)	(D)	3.3	(Z)
	Value added in mining.....mil dol..	3 620.5	3 620.5	(D)	—	(D)	—	3 562.4	(D)	3 352.0	(D)	(D)	—	(Z)
1422	Crushed and broken limestone													
	Establishments..... number..	1 432	1 421	33	—	33	—	1 257	38	1 202	17	21	110	11
	Employees.....1,000..	27.7	(D)	.2	—	.2	—	25.0	1.3	23.0	.7	(D)	2.2	(D)
	Value added in mining.....mil dol..	2 270.0	(D)	23.7	—	23.7	—	2 228.2	106.6	2 045.0	76.5	(D)	—	(D)
1423	Crushed and broken granite													
	Establishments..... number..	264	262	5	—	5	—	240	—	240	—	—	17	2
	Employees.....1,000..	6.1	(D)	(D)	—	(D)	—	5.6	—	5.6	—	—	.5	(D)
	Value added in mining.....mil dol..	659.6	(D)	(D)	—	(D)	—	653.8	—	653.8	—	—	—	(D)
1429	Crushed and broken stone, n.e.c.													
	Establishments..... number..	446	446	10	—	10	—	414	2	411	1	4	18	—
	Employees.....1,000..	7.8	7.8	.1	—	.1	—	7.1	(D)	6.9	(D)	.1	.6	—
	Value added in mining.....mil dol..	691.0	691.0	8.0	—	8.0	—	680.5	(D)	653.2	(D)	2.5	—	—
144	Sand and gravel													
	Establishments..... number..	2 677	2 656	84	—	80	4	1 068	2	990	76	17	1 487	21
	Employees.....1,000..	30.3	30.2	(D)	—	(D)	(Z)	16.2	(D)	15.1	(D)	(D)	13.0	.2
	Value added in mining.....mil dol..	2 318.0	2 318.1	(D)	—	(D)	3.5	1 413.4	(D)	1 326.8	(D)	(D)	846.4	-1

See footnotes at end of table.

Table 1-3c. Selected Statistics by Type of Operation and Industry: 1992—Con.

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				Total	Underground mines	Open pit mines	Combination methods, well operations, and other methods	Total	Underground mines	Open pit mines	Combination and other methods			
14	NONMETALLIC MINERALS, EXCEPT FUELS—Con.													
144	Sand and gravel—Con.													
1442	Construction sand and gravel													
	Establishments..... number..	2 516	2 495	83	—	79	4	924	2	850	72	13	1 475	21
	Employees.....1,000..	27.1	26.9	.7	—	.6	(Z)	13.3	(D)	12.4	.2	(D)	12.7	.2
	Value added in mining.....mil dol..	2 040.2	2 040.3	47.1	—	43.6	3.5	1 139.8	(D)	1 059.3	(D)	7.0	846.4	—1
1446	Industrial sand													
	Establishments..... number..	161	161	1	—	1	—	144	—	140	4	4	12	—
	Employees.....1,000..	3.2	3.2	(D)	—	(D)	—	2.9	—	2.8	.1	(D)	.3	—
	Value added in mining.....mil dol..	277.8	277.8	(D)	—	(D)	—	273.6	—	267.4	6.1	(D)	—	—
145	Clay, ceramic, and refractory minerals													
	Establishments..... number..	200	200	82	—	82	—	108	—	108	—	—	10	—
	Employees.....1,000..	10.0	10.0	(D)	—	(D)	—	(D)	—	(D)	—	—	(D)	—
	Value added in mining.....mil dol..	936.4	936.4	(D)	—	(D)	—	(D)	—	(D)	—	—	—	—
1455	Kaolin and ball clay													
	Establishments..... number..	45	45	6	—	6	—	36	—	36	—	—	3	—
	Employees.....1,000..	5.0	5.0	(D)	—	(D)	—	(D)	—	(D)	—	—	(D)	—
	Value added in mining.....mil dol..	506.3	506.3	(D)	—	(D)	—	(D)	—	(D)	—	—	—	—
1459	Clay, ceramic, and refractory minerals, n.e.c.													
	Establishments..... number..	155	155	76	—	76	—	72	—	72	—	—	7	—
	Employees.....1,000..	5.0	5.0	1.3	—	1.3	—	3.4	—	3.4	—	—	.3	—
	Value added in mining.....mil dol..	430.2	430.2	107.5	—	107.5	—	322.7	—	322.7	—	—	—	—
147	Chemical and fertilizer mineral mining													
	Establishments..... number..	160	158	51	1	42	8	67	25	28	14	5	35	2
	Employees.....1,000..	15.0	(D)	(D)	(D)	.3	(D)	12.6	(D)	5.4	1.5	(D)	1.5	(D)
	Value added in mining.....mil dol..	2 121.8	(D)	(D)	(D)	24.3	(D)	2 032.0	(D)	949.0	198.1	(D)	—	(D)
1474	Potash, soda, and borate minerals													
	Establishments..... number..	33	33	—	—	—	—	27	12	6	9	1	5	—
	Employees.....1,000..	5.5	5.5	—	—	—	—	(D)	4.1	(D)	.7	(D)	(D)	—
	Value added in mining.....mil dol..	1 154.8	1 154.8	—	—	—	—	(D)	725.1	(D)	154.6	(D)	—	—
1475	Phosphate rock													
	Establishments..... number..	28	28	6	—	6	—	20	1	16	3	1	1	—
	Employees.....1,000..	5.4	5.4	.1	—	.1	—	(D)	(D)	4.8	(D)	(D)	(D)	—
	Value added in mining.....mil dol..	690.0	690.0	7.2	—	7.2	—	(D)	(D)	654.6	(D)	(D)	—	—
1479	Chemical and fertilizer mineral mining, n.e.c.													
	Establishments..... number..	99	97	45	1	36	8	20	12	6	2	3	29	2
	Employees.....1,000..	4.1	(D)	(D)	(D)	.2	(D)	2.3	1.5	(D)	(D)	(D)	1.1	(D)
	Value added in mining.....mil dol..	277.0	(D)	(D)	(D)	17.1	(D)	200.7	156.2	(D)	(D)	(D)	—	(D)
148	Nonmetallic minerals services, except fuels													
	Establishments..... number..	178	178	—	—	—	—	—	—	—	—	—	178	—
	Employees.....1,000..	2.0	2.0	—	—	—	—	—	—	—	—	—	2.0	—
	Value added in mining.....mil dol..	136.0	136.0	—	—	—	—	—	—	—	—	—	136.0	—
1481	Nonmetallic minerals services, except fuels													
	Establishments..... number..	178	178	—	—	—	—	—	—	—	—	—	178	—
	Employees.....1,000..	2.0	2.0	—	—	—	—	—	—	—	—	—	2.0	—
	Value added in mining.....mil dol..	136.0	136.0	—	—	—	—	—	—	—	—	—	136.0	—
149	Miscellaneous nonmetallic minerals, except fuels													
	Establishments..... number..	281	276	6	1	5	—	259	2	250	7	—	11	5
	Employees.....1,000..	5.5	(D)	(D)	(D)	(D)	—	4.8	(D)	4.3	(D)	—	.5	(D)
	Value added in mining.....mil dol..	419.0	(D)	(D)	(D)	(D)	—	415.0	(D)	384.1	(D)	—	—	(D)
1499	Miscellaneous nonmetallic minerals, except fuels													
	Establishments..... number..	281	276	6	1	5	—	259	2	250	7	—	11	5
	Employees.....1,000..	5.5	(D)	(D)	(D)	(D)	—	4.8	(D)	4.3	(D)	—	.5	(D)
	Value added in mining.....mil dol..	419.0	(D)	(D)	(D)	(D)	—	415.0	(D)	384.1	(D)	—	—	(D)

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

Table 1-4a. Major Group Statistics by Employment Size of Establishment: 1992

[Data in this table are comparable to those published in table 4 of the industry series which has data by four-digit industry. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Major group and employment-size class	E ¹	Establishments during year (number)	All employees		Production, development, and exploration workers			Value added by mining (million dollars)	Cost of supplies used, purchased machinery installed, etc. (million dollars)	Value of shipments and receipts (million dollars)	Capital expenditures (million dollars)
			Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
All Industries	-	30 787	638.2	24 198.6	415.4	876.3	13 832.6	113 621.3	65 652.9	162 095.4	17 178.8
Establishments with an average of—											
0 to 4 employees	E2	15 936	26.6	669.3	19.0	37.7	442.1	6 498.8	5 268.7	10 405.3	1 362.1
5 to 9 employees	E1	5 090	33.9	915.9	23.5	48.7	602.4	5 188.5	3 249.3	7 665.8	772.0
10 to 19 employees	-	4 161	56.9	1 675.1	40.5	85.8	1 094.8	8 141.9	7 682.2	14 647.6	1 176.5
20 to 49 employees	-	3 334	102.0	3 270.3	74.1	158.0	2 155.2	16 446.0	15 453.7	29 281.8	2 617.9
50 to 99 employees	-	1 140	77.9	2 852.7	52.8	112.5	1 702.4	11 606.3	9 417.3	19 513.7	1 509.9
100 to 249 employees	-	724	111.4	4 468.1	75.2	161.9	2 689.4	19 738.8	8 244.0	24 995.0	2 987.9
250 to 499 employees	-	249	85.5	3 771.4	54.9	115.3	2 165.5	15 137.3	6 639.7	19 608.3	2 168.6
500 to 999 employees	-	107	71.8	3 235.8	42.4	88.7	1 722.8	19 197.7	5 363.2	21 810.0	2 750.9
1,000 to 2,499 employees	-	42	72.3	3 339.9	32.9	67.8	1 258.1	11 666.1	4 334.8	14 167.9	1 833.0
2,500 employees or more	-	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Covered by administrative records ²	E9	12 000	26.2	475.0	19.7	37.7	339.6	2 144.1	780.3	2 697.4	227.0
Major Group 10, Metal mining	-	1 023	52.9	2 110.9	42.0	88.4	1 540.2	6 724.0	4 720.2	9 864.4	1 579.8
Establishments with an average of—											
0 to 4 employees	E6	490	3.4	131.6	2.4	5.0	76.2	295.9	182.8	303.8	174.9
5 to 9 employees	E4	129	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
10 to 19 employees	E2	131	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
20 to 49 employees	E2	99	17.5	730.8	12.3	26.0	437.6	1 823.0	1 196.1	2 637.9	381.3
50 to 99 employees	-	61	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 to 249 employees	-	66	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
250 to 499 employees	-	22	32.1	1 248.5	27.4	57.4	1 026.4	4 605.1	3 341.3	6 922.8	1 023.6
500 to 999 employees	-	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 to 2,499 employees	-	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Covered by administrative records ²	E9	322	.7	16.3	.6	1.2	13.2	39.8	23.3	60.2	2.9
Major Group 12, Coal mining	-	3 069	134.5	5 461.4	108.3	227.3	4 205.4	17 252.4	11 824.5	27 134.1	1 942.8
Establishments with an average of—											
0 to 4 employees	E2	830	1.5	43.6	1.2	2.4	29.4	261.4	384.5	565.8	80.1
5 to 9 employees	E2	419	2.9	83.7	2.1	4.3	54.6	219.0	229.1	419.9	28.2
10 to 19 employees	E1	582	8.1	248.6	6.4	13.2	177.4	777.7	851.7	1 554.8	74.6
20 to 49 employees	-	652	20.5	690.0	16.3	34.3	521.9	2 536.5	2 536.5	4 331.7	192.9
50 to 99 employees	-	263	83.9	3 631.5	67.4	142.7	2 791.2	11 534.2	6 819.7	17 069.0	1 284.9
100 to 249 employees	-	204	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
250 to 499 employees	-	93	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
500 to 999 employees	-	24	17.6	764.0	14.9	30.3	630.9	2 472.0	1 002.9	3 192.9	282.0
1,000 to 2,499 employees	-	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Covered by administrative records ²	E9	716	3.0	56.5	2.6	5.1	48.7	152.3	72.9	217.7	7.4
Major Group 13, Oil and gas extraction	-	20 891	344.9	13 396.7	188.2	394.5	5 939.4	80 016.4	44 025.2	111 522.7	12 518.9
Establishments with an average of—											
0 to 4 employees	E2	12 706	20.5	506.5	14.2	27.4	325.5	5 747.0	4 648.2	9 259.1	1 136.1
5 to 9 employees	E1	3 322	21.8	588.2	14.6	29.8	374.9	4 296.5	2 669.4	6 324.1	641.9
10 to 19 employees	-	2 160	29.2	875.7	19.9	41.9	540.5	5 901.5	6 082.2	11 079.9	903.8
20 to 49 employees	-	1 585	48.7	1 603.7	33.7	70.7	977.5	11 512.2	11 512.2	21 206.8	2 088.7
50 to 99 employees	-	567	38.7	1 394.3	25.3	53.3	787.9	7 661.1	6 197.7	12 751.3	1 107.5
100 to 249 employees	-	344	186.0	8 428.3	80.6	171.4	2 933.0	44 627.0	12 915.4	50 901.6	6 640.8
250 to 499 employees	-	113	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
500 to 999 employees	-	61	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 to 2,499 employees	-	29	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 employees or more	-	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Covered by administrative records ²	E9	9 556	18.6	333.1	13.2	24.5	222.9	1 720.2	583.7	2 109.2	194.7
Major Group 14, Nonmetallic minerals, except fuels	E1	5 804	105.9	3 229.6	76.8	166.2	2 147.7	9 628.5	5 083.0	13 574.1	1 137.3
Establishments with an average of—											
0 to 4 employees	E4	1 910	29.9	782.5	22.3	48.1	560.8	2 330.1	1 152.2	3 211.4	271.0
5 to 9 employees	E2	1 220	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
10 to 19 employees	E1	1 288	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
20 to 49 employees	-	998	62.7	1 942.0	44.9	98.3	1 266.1	5 437.2	2 941.2	7 694.2	684.2
50 to 99 employees	E1	249	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 to 249 employees	-	110	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
250 to 499 employees	-	21	13.3	505.1	9.6	19.8	320.8	1 861.1	989.6	2 668.6	182.2
500 to 999 employees	-	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 to 2,499 employees	-	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Covered by administrative records ²	E9	1 406	4.0	69.1	3.3	6.8	54.9	231.9	100.5	310.4	22.0

Note: Data shown as (D) are included in underscored figures above.

¹Some payroll and sales data for small single-unit 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 figures shown: E1-10 to 19 percent; E2-20 to 29 percent; E3-30 to 39 percent; E4-40 to 49 percent; E5-50 to 59 percent; E6-60 to 69 percent; E7-70 to 79 percent; E8-80 to 89 percent; E9-90 percent or more.

²Some payroll and sales data for small single-unit 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 1-4b. **Number of Mineral Establishments by Employment-Size Class, Industry Group, and Industry: 1992**

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

SIC code	Industry group and industry	Estab-lishments during year	Establishments during year with an average employment-size class of—										Estab-lishments during year covered by admin-istrative records
			0 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999	1,000 to 2,499	2,500 or more	
	All industries	30 787	15 936	5 090	4 161	3 334	1 140	724	249	107	42	4	12 000
10	Metal mining	1 023	490	129	131	99	61	66	22	16	9	—	322
101	Iron ores	40	11	4	7	5	2	2	2	4	3	—	10
1011	Iron ores	40	11	4	7	5	2	2	2	4	3	—	10
102	Copper ores	62	12	4	11	5	8	3	8	8	3	—	6
1021	Copper ores	62	12	4	11	5	8	3	8	8	3	—	6
103	Lead and zinc ores	44	14	1	5	5	6	11	2	—	—	—	8
1031	Lead and zinc ores	44	14	1	5	5	6	11	2	—	—	—	8
104	Gold and silver ores	426	207	59	44	39	24	39	8	3	3	—	163
1041	Gold ores	402	194	57	41	37	24	37	6	3	3	—	152
1044	Silver ores	24	13	2	3	2	—	2	2	—	—	—	11
108	Metal mining services	266	152	37	40	19	11	6	1	—	—	—	53
1081	Metal mining services	266	152	37	40	19	11	6	1	—	—	—	53
109, 106, 1094, 1099, 1061	Miscellaneous metal ores and ferroalloy ores, except vanadium .. Uranium-radium-vanadium ores .. Miscellaneous metal ores, n.e.c., and ferroalloy ores, except vanadium	185 78	94 33	24 12	24 12	26 14	10 7	5 —	1 —	1 —	— —	— —	82 24
		107	61	12	12	12	3	5	1	1	—	—	58
12	Coal mining	3 069	830	419	582	652	263	204	93	24	2	—	716
122	Bituminous coal and lignite mining ..	2 635	623	345	512	587	251	200	91	24	2	—	547
1221	Bituminous coal and lignite surface mining	1 502	446	225	276	287	134	98	28	7	1	—	379
1222	Bituminous coal underground mining	1 133	177	120	236	300	117	102	63	17	1	—	168
123	Anthracite mining	76	29	17	12	14	2	1	1	—	—	—	24
1231	Anthracite mining	76	29	17	12	14	2	1	1	—	—	—	24
124	Coal mining services	358	178	57	58	51	10	3	1	—	—	—	145
1241	Coal mining services	358	178	57	58	51	10	3	1	—	—	—	145
13	Oil and gas extraction	20 891	12 706	3 322	2 160	1 585	567	344	113	61	29	4	9 556
131	Crude petroleum and natural gas ...	9 391	6 184	1 402	790	522	203	154	68	47	18	3	4 456
1311	Crude petroleum and natural gas ..	9 391	6 184	1 402	790	522	203	154	68	47	18	3	4 456
132	Natural gas liquids	591	189	92	112	144	38	14	2	—	—	—	—
1321	Natural gas liquids	591	189	92	112	144	38	14	2	—	—	—	—
138	Oil and gas field services	10 909	6 333	1 828	1 258	919	326	176	43	14	11	1	5 100
1381	Drilling oil and gas wells	2 125	1 110	321	244	233	120	70	19	5	3	—	906
1382	Oil and gas field exploration services	1 490	1 187	147	72	53	13	12	3	—	2	1	993
1389	Oil and gas field services, n.e.c. ...	7 294	4 036	1 360	942	633	193	94	21	9	6	—	3 201
14	Nonmetallic minerals, except fuels ..	5 804	1 910	1 220	1 288	998	249	110	21	6	2	—	1 406
141	Dimension stone	166	85	40	24	14	2	1	—	—	—	—	67
1411	Dimension stone	166	85	40	24	14	2	1	—	—	—	—	67
142	Crushed and broken stone, including riprap	2 142	461	417	602	499	118	43	2	—	—	—	309
1422	Crushed and broken limestone ...	1 432	309	290	411	309	81	30	2	—	—	—	186
1423	Crushed and broken granite	264	33	27	78	109	12	5	—	—	—	—	24
1429	Crushed and broken stone, n.e.c.	446	119	100	113	81	25	8	—	—	—	—	99
144	Sand and gravel	2 677	1 072	636	530	357	69	12	1	—	—	—	797
1442	Construction sand and gravel	2 516	1 032	606	499	311	58	9	1	—	—	—	755
1446	Industrial sand	161	40	30	31	46	11	3	—	—	—	—	42
145	Clay, ceramic, and refractory minerals	200	42	31	27	51	26	18	3	1	1	—	41
1455	Kaolin and ball clay	45	3	1	6	16	9	5	3	1	1	—	2
1459	Clay, ceramic, and refractory minerals, n.e.c.	155	39	30	21	35	17	13	—	—	—	—	39
147	Chemical and fertilizer mineral mining	160	38	31	11	16	19	26	13	5	1	—	36
1474	Potash, soda, and borate minerals	33	3	3	3	3	5	6	8	2	—	—	2
1475	Phosphate rock	28	1	5	1	2	6	7	2	3	1	—	5
1479	Chemical and fertilizer mineral mining, n.e.c.	99	34	23	7	11	8	13	3	—	—	—	29
148	Nonmetallic minerals services, except fuels	178	82	30	50	11	3	2	—	—	—	—	61
1481	Nonmetallic minerals services, except fuels	178	82	30	50	11	3	2	—	—	—	—	61
149	Miscellaneous nonmetallic minerals, except fuels	281	130	35	44	50	12	8	2	—	—	—	95
1499	Miscellaneous nonmetallic minerals, except fuels	281	130	35	44	50	12	8	2	—	—	—	95

Table 1-5. Industry-Product Analysis—Summary of Industry Shipments and Receipts and Net Shipments of Primary Products: 1992

[Million dollars. An establishment is assigned to an industry based on shipment values of products representing largest amount considered primary to an industry. Frequently, establishment shipments comprise mixtures of products assigned to an industry (primary), those considered primary to other industries (secondary), and receipts for activities such as resales or contract work. Columns A-E show this product pattern for an industry. Extent to which an industry's primary products are shipped by establishments classified in and out of an industry is shown in columns F-H. Data in this table are comparable to those published in table 5 of the industry series. These data may differ slightly from those in the industry series due to minor corrections identified after the industry series was issued. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Value of shipments and receipts					Value of net shipments of primary products or services		
		Total	Primary products	Secondary products	Receipts for services	Products purchased and resold without further processing	Total produced in all industries	Produced in this industry	Produced in other industries
		A	B	C	D	E	F	G	H
10	METAL MINING								
1011	Iron ores	1 714.8	(D)	—	—	(D)	11 691.0	(D)	(D)
1021	Copper ores	3 374.9	(D)	(D)	—	—	3 072.9	(D)	(D)
1031	Lead and zinc ores	471.9	451.1	20.8	—	—	(D)	(D)	(D)
1041	Gold ores	3 440.0	(D)	(D)	—	(D)	3 418.0	(D)	(D)
1044	Silver ores	114.6	(D)	(D)	—	—	110.4	(D)	(D)
1081	Metal mining services	350.4	339.6	(D)	9.1	(D)	340.0	339.6	.4
1094	Uranium-radium-vanadium ores	86.3	86.2	(D)	(D)	—	84.0	84.0	—
1099, 1061	Miscellaneous metal ores, n.e.c., and ferroalloy ores, except vanadium	311.6	302.0	(D)	(D)	(D)	(D)	(D)	(D)
12	COAL MINING								
1221	Bituminous coal and lignite surface mining	13 826.2	13 673.1	9.3	13.1	130.7	³⁹ 847.6	³⁹ 831.2	16.4
1222	Bituminous coal underground mining	12 609.1	12 446.1	15.3	4.2	143.6	³¹¹ 434.4	³¹¹ 428.7	5.7
1231	Anthracite mining	160.4	(D)	(D)	(D)	(D)	4117.1	4117.1	—
1241	Coal mining services	538.4	(D)	(D)	(D)	(D)	536.5	(D)	(D)
13	OIL AND GAS EXTRACTION								
1311	Crude petroleum and natural gas	72 245.4	71 537.7	405.4	205.8	96.5	71 607.7	71 537.7	70.0
1321	Natural gas liquids	27 213.8	27 108.0	69.0	36.8	—	⁵⁶ 474.1	6 194.3	279.8
1381	Drilling oil and gas wells	3 583.6	3 277.8	(D)	185.7	(D)	3 669.3	3 277.8	391.5
1382	Oil and gas field exploration services	964.6	851.0	(D)	109.0	(D)	867.7	851.0	16.7
1389	Oil and gas field services, n.e.c.	7 515.3	6 927.8	147.5	338.7	101.3	7 396.4	6 927.8	468.6
14	NONMETALLIC MINERALS, EXCEPT FUELS								
1411	Dimension stone	98.9	91.6	(D)	(D)	3.1	(D)	(D)	(D)
1422	Crushed and broken limestone	3 178.3	2 929.7	184.0	30.3	34.3	⁶³ 060.6	⁶² 891.2	169.4
1423	Crushed and broken granite	895.3	882.1	9.9	1.2	2.0	⁶ 899.5	⁶ 880.7	18.8
1429	Crushed and broken stone, n.e.c.	928.3	854.2	59.5	7.9	6.7	⁶ 945.5	⁶ 848.9	96.6
1442	Construction sand and gravel	2 749.7	2 539.8	134.6	34.0	41.3	²² 953.3	²² 482.6	470.7
1446	Industrial sand	410.8	395.8	12.3	1.7	1.0	² 407.4	² 389.3	18.1
1455	Kaolin and ball clay	780.4	(D)	(D)	—	7.3	730.1	(D)	(D)
1459	Clay, ceramic, and refractory minerals, n.e.c.	619.8	602.1	10.1	(D)	(D)	600.3	591.3	9.0
1474	Potash, soda, and borate minerals	1 515.7	1 505.5	(D)	—	(D)	(D)	(D)	—
1475	Phosphate rock	1 188.9	(D)	(D)	—	—	(D)	(D)	(D)
1479	Chemical and fertilizer mineral mining, n.e.c.	422.8	409.8	4.8	—	8.2	(D)	(D)	1.1
1481	Nonmetallic minerals services, except fuels	188.9	160.0	24.8	—	4.2	245.1	160.0	85.1
1499	Miscellaneous nonmetallic minerals, except fuels	596.3	570.0	16.4	(D)	(D)	² 596.7	² 561.7	35.0

¹Represents sum of direct-shipping ores, iron ore concentrates for consumption, and iron agglomerates.
²Represents gross shipments less minerals received for preparation.
³Represents gross shipments excluding coal not specified by kind and less coal received for preparation.
⁴Represents raw coal for use without preparation plus prepared coal.
⁵Represents net natural gas liquids only.
⁶Represents net shipments obtained by subtracting minerals received for preparation from gross shipments.

Table 1-6. Major Group Statistics by Type of Company Ownership and Legal Form of Organization: 1992

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

SIC code	Major group, type of company ownership, and legal form of organization	Companies (number)	Establishments during year		All employees		Production, development, and exploration workers			Value added by mining (million dollars)	Cost of supplies used, purchased machinery installed, etc. (million dollars)	Value of shipments and receipts (million dollars)	Capital expenditures (million dollars)
			Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
	All industries	23 207	30 787	5 600	638.2	24 198.6	415.4	876.3	13 832.6	113 621.3	65 652.9	162 095.4	17 178.8
	Type of company ownership:												
	Multiestablishment companies	1 736	8 521	3 384	448.1	18 992.9	270.5	574.3	10 028.9	93 701.1	57 231.7	136 270.4	14 662.3
	Corporate ownership or control	1 482	7 957	3 171	428.7	18 319.8	256.0	543.6	9 562.4	90 291.1	55 688.3	131 720.5	14 258.9
	Noncorporate ownership	254	564	213	19.4	673.1	14.4	30.8	466.5	3 410.0	1 543.4	4 550.0	403.4
	Single establishment companies	21 471	22 266	2 216	190.1	5 205.7	144.9	302.0	3 803.7	19 920.2	8 421.2	25 825.0	2 516.4
	Corporate ownership or control	16 251	17 015	2 043	166.0	4 627.3	126.7	264.7	3 385.6	16 673.5	7 127.5	21 663.5	2 137.5
	Noncorporate ownership	5 220	5 251	173	24.1	578.4	18.2	37.3	418.1	3 246.8	1 293.7	4 161.5	379.0
	Legal form of organization:												
	Corporate	17 733	24 972	5 214	594.7	22 947.1	382.7	808.3	12 948.0	106 964.6	62 815.8	153 384.0	16 396.4
	Noncorporate	5 474	5 815	386	43.5	1 251.5	32.7	68.0	884.6	6 656.8	2 837.1	8 711.4	782.4
	Individual proprietorships	2 594	2 659	67	11.3	232.0	8.7	17.3	168.1	1 260.6	383.1	1 521.4	122.4
	Partnerships	1 371	1 459	131	14.2	453.6	10.7	23.1	328.9	2 383.8	1 256.4	3 339.9	300.3
	Other and unknown	1 509	1 697	188	18.0	565.9	13.3	27.6	387.7	3 012.3	1 197.6	3 850.2	359.7

Table 1-6. Major Group Statistics by Type of Company Ownership and Legal Form of Organization: 1992—Con.

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

SIC code	Major group, type of company ownership, and legal form of organization	Companies (number)	Establishments during year		All employees		Production, development, and exploration workers			Value added by mining (million dollars)	Cost of supplies used, purchased machinery installed, etc. (million dollars)	Value of shipments and receipts (million dollars)	Capital expenditures (million dollars)
			Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
10	Metal mining	579	1 023	273	52.9	2 110.9	42.0	88.4	1 540.2	6 724.0	4 720.2	9 864.4	1 579.8
	Type of company ownership:												
	Multiestablishment companies	115	512	230	46.7	1 883.8	36.6	76.8	1 351.1	5 844.4	4 241.4	8 752.6	1 333.2
	Corporate ownership or control	99	471	207	43.3	1 763.1	33.7	70.7	1 252.7	5 494.3	4 034.6	8 244.4	1 284.5
	Noncorporate ownership	16	41	23	3.4	120.7	2.9	6.1	98.4	350.1	206.7	508.2	48.7
	Single establishment companies	464	511	43	6.2	227.1	5.4	11.6	189.1	879.6	478.8	1 111.9	246.6
	Corporate ownership or control	349	394	33	4.9	179.1	4.3	9.2	152.3	664.2	366.3	809.9	220.7
	Noncorporate ownership	115	117	10	1.4	47.9	1.1	2.4	36.8	215.4	112.5	302.0	25.9
	Legal form of organization:												
	Corporate	448	865	240	48.2	1 942.2	38.0	79.9	1 405.0	6 158.5	4 401.0	9 054.3	1 505.2
	Noncorporate	131	158	33	4.8	168.7	4.1	8.5	135.2	565.5	319.3	810.2	74.6
	Individual proprietorships	39	41	—	.1	2.1	.1	.2	1.9	6.4	2.3	8.3	.4
	Partnerships	50	59	12	1.8	67.8	1.5	3.2	50.6	277.4	145.0	379.9	42.4
	Other and unknown	42	58	21	2.8	98.8	2.5	5.2	82.7	281.8	171.9	421.9	31.8
12	Coal mining	2 175	3 069	1 238	134.5	5 461.4	108.3	227.3	4 205.4	17 252.4	11 824.5	27 134.1	1 942.8
	Type of company ownership:												
	Multiestablishment companies	221	1 097	657	97.1	4 288.6	75.4	157.3	3 179.6	13 777.2	9 597.9	21 652.5	1 722.7
	Corporate ownership or control	194	1 036	626	94.3	4 181.7	73.1	152.5	3 090.0	13 424.9	9 206.7	20 930.9	1 700.7
	Noncorporate ownership	27	61	31	2.8	106.9	2.3	4.9	89.6	352.3	391.2	721.6	22.0
	Single establishment companies	1 954	1 972	581	37.4	1 172.8	32.9	69.9	1 025.8	3 475.2	2 226.6	5 481.7	220.1
	Corporate ownership or control	1 714	1 731	553	34.6	1 102.0	30.5	64.8	964.1	3 167.7	2 056.0	5 023.8	199.9
	Noncorporate ownership	240	241	28	2.8	70.8	2.5	5.1	61.7	307.5	170.6	457.9	20.2
	Legal form of organization:												
	Corporate	1 908	2 767	1 179	128.9	5 283.7	103.5	217.3	4 054.1	16 592.6	11 262.7	25 954.7	1 900.6
	Noncorporate	267	302	59	5.6	177.7	4.8	10.0	151.3	659.8	561.8	1 179.4	42.2
	Individual proprietorships	97	99	7	.6	11.0	.5	1.0	9.9	46.0	22.1	63.0	5.1
	Partnerships	106	124	26	2.6	89.3	2.3	5.0	78.3	368.9	344.3	692.8	20.4
	Other and unknown	64	79	26	2.4	77.5	2.0	4.0	63.2	244.8	195.4	423.6	16.7
13	Oil and gas extraction	16 765	20 891	2 703	344.9	13 396.7	188.2	394.5	5 939.4	80 016.4	44 025.2	111 522.7	12 518.9
	Type of company ownership:												
	Multiestablishment companies	878	4 285	1 509	229.5	10 392.7	104.9	224.7	3 931.6	66 664.3	39 431.3	95 353.2	10 742.4
	Corporate ownership or control	729	3 955	1 400	220.8	10 100.6	99.1	212.2	3 763.4	64 483.1	38 699.9	92 734.6	10 448.4
	Noncorporate ownership	149	330	109	8.7	292.1	5.8	12.6	168.2	2 181.2	731.4	2 618.7	293.9
	Single establishment companies	15 887	16 606	1 194	115.4	3 004.0	83.3	169.8	2 007.8	13 352.1	4 593.9	16 169.5	1 776.5
	Corporate ownership or control	11 772	12 464	1 090	99.7	2 642.1	72.1	147.6	1 767.4	10 976.3	3 759.3	13 245.9	1 489.7
	Noncorporate ownership	4 115	4 142	104	15.7	361.8	11.2	22.1	240.4	2 375.8	834.6	2 923.6	286.8
	Legal form of organization:												
	Corporate	12 501	16 419	2 490	320.5	12 742.7	171.3	359.8	5 530.8	75 459.3	42 459.2	105 980.5	11 938.1
	Noncorporate	4 264	4 472	213	24.4	654.0	17.0	34.7	408.6	4 557.0	1 566.0	5 542.3	580.8
	Individual proprietorships	2 068	2 128	56	9.1	188.5	6.8	13.6	131.8	1 103.4	309.6	1 309.5	103.4
	Partnerships	1 004	1 056	67	7.7	238.1	5.2	11.0	152.8	1 532.5	657.3	1 980.1	209.7
	Other and unknown	1 192	1 288	90	7.6	227.5	4.9	10.2	124.0	1 921.1	599.2	2 252.7	267.6
14	Nonmetallic minerals, except fuels	3 828	5 804	1 386	105.9	3 229.6	76.8	166.2	2 147.7	9 628.5	5 083.0	13 574.1	1 137.3
	Type of company ownership:												
	Multiestablishment companies	662	2 627	988	74.8	2 427.7	53.6	115.5	1 566.6	7 415.2	3 961.1	10 512.2	864.1
	Corporate ownership or control	593	2 495	938	70.3	2 274.4	50.2	108.3	1 456.4	6 888.8	3 747.1	9 810.6	825.3
	Noncorporate ownership	69	132	50	4.5	153.3	3.4	7.2	110.2	526.3	214.0	701.5	38.8
	Single establishment companies	3 166	3 177	398	31.0	801.9	23.3	50.7	581.1	2 213.3	1 121.9	3 062.0	273.2
	Corporate ownership or control	2 416	2 426	367	26.8	704.1	19.8	43.1	501.8	1 865.2	945.9	2 583.9	227.2
	Noncorporate ownership	750	751	31	4.3	97.8	3.5	7.6	79.3	348.1	176.0	478.0	46.0
	Legal form of organization:												
	Corporate	3 009	4 921	1 305	97.1	2 978.5	70.0	151.4	1 958.2	8 754.1	4 693.0	12 394.6	1 052.5
	Noncorporate	819	883	81	8.8	251.1	6.9	14.8	189.5	874.4	390.0	1 179.6	84.8
	Individual proprietorships	390	391	4	1.5	30.4	1.2	2.6	24.6	104.8	49.1	140.5	13.4
	Partnerships	213	220	26	2.2	58.5	1.8	4.0	47.2	205.0	109.8	287.0	27.7
	Other and unknown	216	272	51	5.1	162.1	3.9	8.2	117.7	564.6	231.1	752.0	43.7

Table 1-7. **Employment at Auxiliaries and Related Facilities by Industry Group and Industry: 1992 and 1987**

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

SIC code	Industry group and industry	1992		1987	
		Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
	All industries	103.5	5 642.3	115.9	4 856.8
10	Metal mining	(D)	(D)	(D)	(D)
101	Iron ores	(D)	(D)	(D)	(D)
1011	Iron ores	(D)	(D)	(D)	(D)
102	Copper ores	1.1	64.6	1.0	47.3
1021	Copper ores	1.1	64.6	1.0	47.3
103	Lead and zinc ores .....	.2	10.2	(D)	(D)
1031	Lead and zinc ores .....	.2	10.2	(D)	(D)
104	Gold and silver ores	(D)	(D)	(D)	(D)
1041	Gold ores	1.2	106.4	(D)	(D)
1044	Silver ores	(D)	(D)	(Z)	1.0
108	Metal mining services .....	.3	12.4	.2	7.9
1081	Metal mining services .....	.3	12.4	.2	7.9
109, 106	Miscellaneous metal ores and ferroalloy ores, except vanadium	(D)	(D)	(D)	(D)
1094	Uranium-radium-vanadium ores .....	.2	10.1	.3	12.5
1099, 1061	Miscellaneous metal ores, n.e.c., and ferroalloy ores, except vanadium	(D)	(D)	(D)	(D)
12	Coal mining	(D)	(D)	(D)	(D)
122	Bituminous coal and lignite mining	9.1	512.8	10.8	437.1
1221	Bituminous coal and lignite surface mining	5.2	312.3	5.7	244.9
1222	Bituminous coal underground mining	3.9	200.4	5.1	192.1
123	Anthracite mining	(D)	(D)	(D)	(D)
1231	Anthracite mining	(D)	(D)	(D)	(D)
124	Coal mining services .....	.1	1.8	(D)	(D)
1241	Coal mining services .....	.1	1.8	(D)	(D)
13	Oil and gas extraction	81.9	4 513.3	93.4	4 000.0
131	Crude petroleum and natural gas	70.0	4 002.0	82.4	3 591.7
1311	Crude petroleum and natural gas	70.0	4 002.0	82.4	3 591.7
132	Natural gas liquids	1.8	90.3	1.4	53.6
1321	Natural gas liquids	1.8	90.3	1.4	53.6
138	Oil and gas field services	10.2	421.0	9.6	354.7
1381	Drilling oil and gas wells	3.4	146.5	2.9	104.6
1382	Oil and gas field exploration services .....	.8	36.6	.4	15.1
1389	Oil and gas field services, n.e.c.	6.0	237.9	6.4	235.0
14	Nonmetallic minerals, except fuels	8.4	361.3	8.5	274.4
141	Dimension stone	(D)	(D)	(D)	(D)
1411	Dimension stone	(D)	(D)	(D)	(D)
142	Crushed and broken stone, including riprap	3.3	118.4	3.4	110.7
1422	Crushed and broken limestone	2.2	79.1	2.2	71.7
1423	Crushed and broken granite .....	.5	17.4	.7	20.1
1429	Crushed and broken stone, n.e.c. ....	.6	21.9	.6	18.9
144	Sand and gravel	2.4	112.2	2.1	46.9
1442	Construction sand and gravel	2.1	95.2	1.7	34.7
1446	Industrial sand .....	.3	17.0	.3	12.2
145	Clay, ceramic, and refractory minerals	(D)	(D)	(D)	(D)
1455	Kaolin and ball clay	(D)	(D)	.9	43.3
1459	Clay, ceramic, and refractory minerals, n.e.c. ....	.3	11.6	(D)	(D)
147	Chemical and fertilizer mineral mining	1.5	77.3	1.0	40.1
1474	Potash, soda, and borate minerals	(D)	(D)	(D)	(D)
1475	Phosphate rock	(D)	(D)	(D)	(D)
1479	Chemical and fertilizer mineral mining, n.e.c.	1.1	54.4	(D)	(D)
148	Nonmetallic minerals services, except fuels	(D)	(D)	-	-
1481	Nonmetallic minerals services, except fuels	(D)	(D)	-	-
149	Miscellaneous nonmetallic minerals, except fuels .....	.5	21.9	(D)	(D)
1499	Miscellaneous nonmetallic minerals, except fuels .....	.5	21.9	(D)	(D)

Note: Figures represent auxiliary establishments at different location from establishments managed or served or at same location but not operated as an integral part of it. All figures in this table have been included in reports for industries with which they have been associated.

Table 1-8. **Selected Statistics for Nonproducing Establishments by Industry Group and Industry: 1992 and 1987**

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

SIC code	Industry group and industry	1992							1987		
		Establishments during year		All employees		Production, development, and exploration workers			Capital expenditures (million dollars)	All employees (1,000)	Capital expenditures (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)			
	All industries	515	46	3.9	174.9	2.5	5.3	109.1	333.5	5.5	329.3
10	Metal mining	132	17	(D)	(D)	(D)	(D)	(D)	(D)	1.5	87.6
101	Iron ores	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1011	Iron ores	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
102	Copper ores	11	-	.1	3.8	(Z)	.1	2.5	(D)	-	-
1021	Copper ores	11	-	.1	3.8	(Z)	.1	2.5	(D)	-	-
103	Lead and zinc ores	7	1	.1	3.1	.1	.1	2.2	(D)	(D)	(D)
1031	Lead and zinc ores	7	1	.1	3.1	.1	.1	2.2	(D)	(D)	(D)
104	Gold and silver ores	87	11	1.0	44.6	.8	1.6	33.4	(D)	(D)	(D)
1041	Gold ores	84	11	.9	42.9	.7	1.6	32.2	151.4	.8	58.6
1044	Silver ores	3	-	(Z)	1.6	(Z)	.1	1.2	(D)	(D)	(D)
109, 106, 1094, 1099, 1061	Miscellaneous metal ores and ferroalloy ores, except vanadium	26	5	.2	12.3	.1	.1	2.5	20.1	(D)	(D)
	Uranium-radium-vanadium ores	20	4	.2	7.6	.1	.1	2.4	20.0	.4	23.2
	Miscellaneous metal ores, n.e.c., and ferroalloy ores, except vanadium	6	1	.1	4.7	(Z)	(Z)	.1	(Z)	(D)	(D)
12	Coal mining	83	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
122	Bituminous coal and lignite mining	80	11	1.2	53.8	.9	2.1	44.5	56.2	(D)	(D)
1221	Bituminous coal and lignite surface mining	56	8	.6	19.7	.4	.7	13.9	(D)	(D)	(D)
1222	Bituminous coal underground mining	24	3	.7	34.2	.6	1.4	30.5	(D)	.4	.2
123	Anthracite mining	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1231	Anthracite mining	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
13	Oil and gas extraction	259	15	1.0	49.4	.4	.9	18.6	80.4	(D)	(D)
131	Crude petroleum and natural gas	244	12	.9	44.7	.3	.7	14.9	80.4	2.2	178.2
1311	Crude petroleum and natural gas	244	12	.9	44.7	.3	.7	14.9	80.4	2.2	178.2
132	Natural gas liquids	15	3	.1	4.8	.1	.2	3.7	(Z)	(D)	(D)
1321	Natural gas liquids	15	3	.1	4.8	.1	.2	3.7	(Z)	(D)	(D)
14	Nonmetallic minerals, except fuels ...	41	3	.2	7.5	.2	.2	5.4	1.0	.5	16.7
142	Crushed and broken stone, including riprap	13	-	(Z)	.5	(Z)	(Z)	.4	.8	(D)	(D)
1422	Crushed and broken limestone	11	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1423	Crushed and broken granite	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
144	Sand and gravel	21	2	.2	4.7	.1	.1	2.8	.1	(D)	(D)
1442	Construction sand and gravel	21	2	.2	4.7	.1	.1	2.8	.1	.2	.6
147	Chemical and fertilizer mineral mining. Chemical and fertilizer mineral mining, n.e.c.	2	-	(D)	(D)	(D)	(D)	(D)	(D)	.1	13.4
1479	Chemical and fertilizer mineral mining, n.e.c.	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
149	Miscellaneous nonmetallic minerals, except fuels	5	1	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.4
1499	Miscellaneous nonmetallic minerals, except fuels	5	1	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.4

Table 2-1. Historical Statistics for States and Offshore Areas: 1992 and Earlier Census Years

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

Year	Establishments during year			All employees		Production, development, and exploration workers			Value added by mining (million dollars)	Cost of supplies used, purchased machinery installed, etc. (million dollars)	Value of shipments and receipts (million dollars)	Capital expenditures (million dollars)
	Companies (number)	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
UNITED STATES												
1992 Census	23 207	30 787	5 600	638.2	24 198.6	415.4	876.3	13 832.6	113 621.3	65 652.9	162 095.4	17 178.8
1987 Census	25 218	33 617	6 299	698.1	21 739.1	451.1	942.2	12 443.2	110 959.1	62 423.4	157 964.3	15 418.2
1982 Census	(NA)	42 241	(NA)	1 113.6	28 637.5	762.2	1 577.9	18 030.1	188 055.0	109 697.4	249 999.6	47 752.8
1977 Census	(NA)	31 359	6 632	798.8	13 166.8	592.8	1 183.3	9 082.3	68 013.1	46 079.4	96 374.7	17 718.0
1972 Census	(NA)	25 269	5 312	595.1	6 225.5	442.9	909.0	4 250.2	26 470.6	14 884.0	36 318.6	5 035.9
ALABAMA												
1992 Census	316	395	102	10.8	400.7	7.8	16.1	269.2	1 525.7	731.2	2 114.6	142.3
1987 Census	280	350	99	11.1	320.6	8.1	16.6	228.0	1 234.7	729.5	1 792.6	171.6
1982 Census	(NA)	419	(NA)	15.9	375.0	12.6	23.4	267.9	1 979.7	1 041.7	2 428.5	592.8
1977 Census	(NA)	432	122	14.1	224.7	12.0	21.4	177.3	786.9	517.9	1 078.7	226.1
1972 Census	(NA)	290	91	8.8	87.9	8.0	16.2	77.1	264.4	164.4	364.5	64.4
ALASKA												
1992 Census	144	195	57	10.5	638.6	6.3	14.4	344.3	8 522.0	2 149.2	9 546.8	1 124.5
1987 Census	141	175	47	7.4	404.1	4.4	10.0	231.8	8 018.8	1 340.2	8 566.6	792.4
1982 Census	(NA)	197	(NA)	13.4	524.8	9.1	21.2	327.0	14 093.2	2 931.0	13 782.5	3 241.7
1977 Census	(NA)	154	47	5.5	152.7	3.5	7.7	84.3	1 215.9	919.4	1 433.9	701.4
1972 Census	(NA)	125	31	2.6	40.5	1.7	3.7	24.8	354.4	119.8	353.2	121.0
ARIZONA												
1992 Census	199	252	57	13.7	505.5	11.2	23.1	390.3	1 821.9	1 052.5	2 661.9	212.5
1987 Census	206	244	53	12.8	372.3	9.9	18.7	266.0	1 142.8	840.9	1 751.7	232.0
1982 Census	(NA)	277	(NA)	16.6	426.5	12.7	23.4	326.4	748.4	771.3	1 352.5	167.2
1977 Census	(NA)	229	50	21.0	339.0	15.6	29.8	240.2	750.9	650.7	1 259.3	142.3
1972 Census	(NA)	181	48	21.1	226.7	16.5	34.2	168.5	625.4	392.7	851.1	166.9
ARKANSAS												
1992 Census	341	360	41	3.3	84.6	2.5	5.3	61.0	461.4	191.9	572.9	80.5
1987 Census	382	416	43	4.0	92.5	2.8	5.8	58.8	521.3	852.0	1 231.7	141.6
1982 Census	(NA)	478	(NA)	5.4	115.3	4.1	8.8	86.5	1 015.1	401.2	1 201.2	215.0
1977 Census	(NA)	396	66	4.7	66.0	3.9	8.2	50.7	394.9	157.9	488.6	64.2
1972 Census	(NA)	288	47	3.7	31.2	3.0	6.1	23.3	142.3	57.6	177.7	22.2
CALIFORNIA												
1992 Census	1 000	1 232	301	34.5	1 416.2	19.4	40.4	675.6	6 038.8	2 442.5	7 545.2	936.0
1987 Census	1 155	1 387	350	44.1	1 383.8	25.2	51.9	695.9	6 484.2	3 149.0	8 693.2	939.9
1982 Census	(NA)	1 583	(NA)	51.3	1 466.2	30.8	63.6	764.1	11 844.3	5 236.7	13 643.0	3 438.1
1977 Census	(NA)	1 307	295	34.8	633.8	23.1	45.5	378.9	3 551.6	1 797.5	4 516.7	832.3
1972 Census	(NA)	1 179	245	29.0	340.1	19.3	39.1	206.3	1 400.9	631.7	1 785.5	247.2
COLORADO												
1992 Census	994	1 132	171	17.1	759.0	9.0	18.8	318.4	2 407.9	1 523.9	3 421.4	510.4
1987 Census	1 140	1 309	202	21.7	790.4	9.6	20.2	285.4	1 832.1	1 148.0	2 591.3	388.8
1982 Census	(NA)	1 715	(NA)	45.8	1 320.4	24.2	49.4	588.7	3 098.3	2 369.6	4 127.5	1 340.3
1977 Census	(NA)	976	191	22.7	411.0	14.8	30.0	239.5	1 179.1	863.0	1 599.6	442.5
1972 Census	(NA)	665	125	13.5	155.6	9.0	18.4	92.3	408.9	222.7	527.1	104.5
CONNECTICUT												
1992 Census	64	82	19	1.4	69.1	.5	1.2	19.0	79.7	24.3	98.9	5.0
1987 Census	76	87	24	1.5	55.2	.6	1.3	18.3	105.6	36.5	130.2	11.8
1982 Census	(NA)	95	(NA)	1.9	67.6	.6	1.2	12.7	47.3	23.7	65.4	5.6
1977 Census	(NA)	89	16	1.2	31.5	.5	1.1	7.4	24.3	13.6	35.6	2.2
1972 Census	(NA)	63	10	.7	8.2	.6	1.2	5.6	18.3	7.8	24.1	1.9
DELAWARE AND DISTRICT OF COLUMBIA												
1992 Census	23	23	2	.2	9.1	(Z)	.1	1.2	7.3	3.4	10.0	.8
1987 Census	25	27	4	.5	12.7	.2	.3	4.1	11.4	6.8	17.4	.8
1982 Census	(NA)	34	3	.2	5.7	(Z)	.1	.5	2.2	1.1	3.0	.2
1977 Census	(NA)	27	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1972 Census	(NA)	33	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
FLORIDA												
1992 Census	253	293	61	8.3	260.5	6.3	13.5	170.1	979.9	699.4	1 548.6	130.8
1987 Census	298	343	78	9.6	231.9	7.5	15.3	164.5	1 027.4	617.7	1 478.6	166.5
1982 Census	(NA)	361	(NA)	10.5	216.0	7.7	15.8	148.5	1 860.4	1 237.0	2 775.5	321.9
1977 Census	(NA)	321	69	9.9	132.4	7.5	16.7	97.6	1 038.9	678.0	1 616.6	100.3
1972 Census	(NA)	277	72	9.0	81.1	6.5	14.7	53.2	297.5	276.3	466.0	107.8

See footnotes at end of table.

Table 2-1. **Historical Statistics for States and Offshore Areas: 1992 and Earlier Census Years—**
Con.

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

Year	Companies (number)	Establishments during year		All employees		Production, development, and exploration workers			Value added by mining (million dollars)	Cost of supplies used, purchased machinery installed, etc. (million dollars)	Value of shipments and receipts (million dollars)	Capital expend- itures (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
GEORGIA												
1992 Census	150	215	85	8.2	249.3	6.4	14.2	177.5	804.9	458.0	1 176.0	86.9
1987 Census	156	216	83	8.1	211.5	6.4	14.4	152.0	827.6	487.2	1 192.7	122.1
1982 Census	(NA)	206	(NA)	7.6	142.2	6.0	12.9	106.6	430.1	374.2	722.8	81.5
1977 Census	(NA)	219	76	7.4	98.1	6.1	13.6	71.3	294.1	231.5	471.0	54.6
1972 Census	(NA)	167	66	6.6	54.4	5.5	12.6	42.0	157.9	103.9	227.1	34.7
HAWAII												
1992 Census	7	7	4	.2	9.4	.2	.4	8.1	27.3	11.3	33.7	4.8
1987 Census	9	9	4	.2	7.4	.2	.4	5.7	23.5	10.4	31.1	2.8
1982 Census	(NA)	12	4	.2	3.8	.1	.2	2.6	9.7	5.9	12.8	2.7
1977 Census	(NA)	7	2	.1	1.9	.1	.2	1.5	8.1	2.9	9.7	1.3
1972 Census	(NA)	15	5	.3	2.4	.2	.4	1.8	9.0	4.1	11.0	2.0
IDAHO												
1992 Census	121	136	28	2.8	109.8	2.1	4.4	70.6	203.1	187.4	323.5	66.9
1987 Census	97	109	23	2.4	71.6	1.8	3.8	50.6	171.3	107.6	242.8	36.1
1982 Census	(NA)	160	(NA)	3.1	86.6	2.4	5.0	67.1	199.5	135.8	303.7	31.6
1977 Census	(NA)	125	24	3.3	52.9	2.7	5.4	41.8	144.1	81.2	184.7	40.7
1972 Census	(NA)	94	20	2.8	28.6	2.4	4.7	22.8	51.3	38.6	84.4	5.5
ILLINOIS												
1992 Census	710	858	141	17.5	686.8	12.7	25.8	476.3	1 999.9	1 218.3	2 943.6	274.6
1987 Census	835	977	162	22.5	727.8	16.8	33.1	511.3	2 180.5	1 054.4	3 026.4	208.5
1982 Census	(NA)	1 095	(NA)	31.3	845.1	23.1	46.2	596.4	2 543.9	1 576.6	3 607.8	512.7
1977 Census	(NA)	879	187	25.8	451.6	20.9	40.9	349.1	1 162.7	666.2	1 535.1	293.8
1972 Census	(NA)	864	178	20.5	236.9	16.7	34.9	186.3	545.7	267.9	729.6	84.0
INDIANA												
1992 Census	302	426	82	7.1	258.2	5.3	11.5	178.7	825.6	465.6	1 190.0	101.1
1987 Census	359	472	78	7.7	241.5	5.7	12.1	170.2	815.4	394.5	1 118.2	91.7
1982 Census	(NA)	563	(NA)	10.3	269.1	7.6	15.8	192.7	785.8	460.0	1 155.8	90.0
1977 Census	(NA)	530	84	8.4	147.5	6.1	12.8	104.1	391.7	239.1	552.6	78.2
1972 Census	(NA)	465	73	6.3	69.3	5.0	10.5	54.4	211.4	87.3	257.8	40.9
IOWA												
1992 Census	80	187	25	2.0	52.7	1.4	3.4	35.4	153.4	82.1	219.8	15.7
1987 Census	101	200	31	2.4	58.1	1.6	3.5	33.5	131.3	79.1	195.5	15.0
1982 Census	(NA)	214	(NA)	2.1	38.2	1.6	3.3	27.4	103.5	66.5	153.1	16.9
1977 Census	(NA)	252	44	2.9	38.6	2.1	4.2	26.5	87.6	52.8	125.9	14.5
1972 Census	(NA)	223	36	2.5	23.4	2.0	4.8	17.5	53.3	26.0	70.8	8.5
KANSAS												
1992 Census	1 111	1 207	119	10.9	353.1	6.8	13.9	169.4	2 290.0	2 255.7	4 347.2	198.5
1987 Census	1 207	1 309	146	12.5	301.5	8.1	16.7	172.1	1 671.7	2 087.0	3 566.3	192.4
1982 Census	(NA)	1 761	(NA)	19.9	461.2	14.4	30.2	295.2	3 195.7	3 567.5	6 344.7	418.5
1977 Census	(NA)	1 182	156	12.2	180.5	8.8	18.6	124.3	1 134.3	1 793.1	2 728.7	198.6
1972 Census	(NA)	950	130	8.9	74.8	6.8	14.0	52.7	466.0	309.9	725.1	50.8
KENTUCKY												
1992 Census	947	1 140	360	30.6	1 068.3	25.6	55.1	865.5	3 687.8	2 895.0	6 080.9	501.8
1987 Census	1 220	1 460	414	39.5	1 222.9	31.3	64.3	946.0	3 698.6	2 618.6	5 956.8	360.4
1982 Census	(NA)	1 881	(NA)	54.2	1 371.7	44.9	87.9	1 108.6	4 141.9	3 831.2	7 336.1	637.0
1977 Census	(NA)	1 771	427	47.8	822.8	41.4	79.9	679.6	2 515.3	1 779.7	3 814.4	480.6
1972 Census	(NA)	1 240	296	30.2	308.0	26.6	52.5	259.2	780.0	555.8	1 201.3	134.4
LOUISIANA												
1992 Census	1 464	1 784	402	48.1	1 797.9	31.0	65.7	1 050.3	14 834.6	9 768.9	22 353.7	2 249.8
1987 Census	1 649	1 963	425	50.7	1 593.9	32.3	69.2	873.0	16 655.7	11 005.9	24 629.7	3 032.0
1982 Census	(NA)	2 553	(NA)	102.4	2 694.4	69.2	154.1	1 703.0	33 117.0	19 953.2	43 786.1	9 284.1
1977 Census	(NA)	1 640	488	63.1	1 058.3	45.1	94.5	692.5	11 981.1	8 656.1	16 646.5	3 990.8
1972 Census	(NA)	1 340	443	49.6	537.6	34.2	74.1	333.8	5 529.1	3 316.8	7 614.1	1 231.9
MAINE												
1992 Census	22	22	—	.1	1.4	(Z)	.1	1.0	5.0	2.0	6.6	.4
1987 Census	32	34	1	.2	2.9	.1	.2	1.9	5.5	4.2	8.1	1.6
1982 Census	(NA)	26	(NA)	.1	2.3	.1	.2	1.6	5.3	2.9	7.7	.4
1977 Census	(NA)	44	4	.3	3.7	.2	.5	2.5	4.9	5.5	9.6	.8
1972 Census	(NA)	37	4	.3	2.0	.2	.4	1.5	6.2	5.8	6.7	5.3
MARYLAND												
1992 Census	93	115	40	2.5	67.5	2.0	3.8	54.5	201.3	137.5	307.7	31.1
1987 Census	112	129	43	2.9	81.4	2.4	5.2	62.5	273.9	138.9	370.6	42.2
1982 Census	(NA)	137	(NA)	2.6	58.6	2.0	4.1	42.1	167.3	85.9	223.4	29.8
1977 Census ¹	(NA)	133	31	2.3	31.9	1.6	3.1	20.5	79.1	78.5	111.9	45.7
1972 Census ¹	(NA)	112	26	2.2	21.7	1.6	3.5	14.5	57.5	30.7	78.2	10.1

See footnotes at end of table.

Table 2-1. **Historical Statistics for States and Offshore Areas: 1992 and Earlier Census Years—**
Con.

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

Year	Companies (number)	Establishments during year		All employees		Production, development, and exploration workers			Value added by mining (million dollars)	Cost of supplies used, purchased machinery installed, etc. (million dollars)	Value of shipments and receipts (million dollars)	Capital expend- itures (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
MASSACHUSETTS												
1992 Census	79	84	11	1.2	40.5	.5	1.1	16.1	69.7	33.6	96.1	7.2
1987 Census	100	108	18	1.8	54.8	1.0	2.1	27.7	132.0	64.7	177.7	18.9
1982 Census	(NA)	117	(NA)	1.1	24.6	.7	1.5	15.2	54.4	29.1	73.5	10.0
1977 Census	(NA)	99	14	1.3	21.0	.7	1.5	9.2	32.2	16.5	43.6	5.1
1972 Census	(NA)	112	22	1.5	16.0	.9	1.7	8.6	27.7	12.1	35.9	3.9
MICHIGAN												
1992 Census	475	531	80	8.7	289.7	6.8	14.5	213.5	1 675.9	1 041.7	2 523.5	194.2
1987 Census	471	543	86	9.8	273.0	7.5	15.8	191.8	1 499.6	1 097.4	2 425.9	171.1
1982 Census	(NA)	539	(NA)	10.7	276.7	7.2	14.7	181.7	1 934.7	980.8	2 659.4	256.1
1977 Census	(NA)	499	87	11.3	203.3	8.6	19.5	148.2	938.9	764.6	1 344.3	359.2
1972 Census	(NA)	409	69	11.4	119.9	9.2	18.9	91.9	306.3	229.3	467.3	68.3
MINNESOTA												
1992 Census	137	154	24	7.4	279.7	6.3	13.3	234.1	748.5	630.2	1 325.0	53.7
1987 Census	144	161	28	6.1	185.8	4.8	9.8	137.6	554.5	469.6	999.4	24.7
1982 Census	(NA)	170	35	9.2	247.9	5.9	10.1	154.1	598.8	503.8	1 049.3	53.3
1977 Census	(NA)	179	46	11.5	213.4	8.3	16.2	144.8	699.2	513.8	928.4	284.5
1972 Census	(NA)	191	44	11.7	128.9	9.2	17.9	92.4	498.2	250.7	712.8	36.1
MISSISSIPPI												
1992 Census	421	449	59	4.3	115.9	3.2	7.0	81.5	643.6	262.0	799.9	105.8
1987 Census	491	525	71	5.3	124.7	4.0	8.5	87.2	930.8	345.9	1 128.2	148.6
1982 Census	(NA)	654	(NA)	9.6	213.2	7.2	16.0	152.9	1 765.7	933.1	2 156.6	542.2
1977 Census	(NA)	449	83	6.0	86.8	4.8	10.2	65.6	507.2	309.6	618.8	198.0
1972 Census	(NA)	350	85	5.6	47.2	4.5	9.0	34.5	232.1	157.8	313.9	76.1
MISSOURI												
1992 Census	250	342	52	5.3	177.4	3.6	7.7	113.2	470.5	231.5	660.4	41.6
1987 Census	252	326	65	5.6	165.2	3.9	8.0	103.1	466.1	205.4	635.5	36.1
1982 Census	(NA)	391	(NA)	7.9	198.0	5.2	10.3	119.8	418.2	266.3	604.4	80.2
1977 Census	(NA)	378	69	8.1	127.1	5.6	11.1	81.1	396.2	142.8	503.0	36.0
1972 Census	(NA)	360	79	8.9	87.2	5.8	11.8	54.7	217.9	86.2	266.8	37.3
MONTANA												
1992 Census	346	367	46	5.4	189.1	4.0	8.3	128.7	1 100.0	334.2	1 324.9	109.2
1987 Census	373	398	60	5.7	163.4	4.1	8.2	107.7	1 167.1	383.3	1 431.7	118.6
1982 Census	(NA)	630	(NA)	8.5	213.7	6.5	13.5	159.3	1 694.9	756.5	2 026.1	425.2
1977 Census	(NA)	366	46	5.9	90.4	4.7	9.2	72.0	560.2	317.8	713.2	164.7
1972 Census	(NA)	276	42	5.6	55.9	4.6	9.6	46.2	169.1	157.2	289.2	37.1
NEBRASKA												
1992 Census	174	194	15	1.3	31.8	1.0	2.0	21.9	136.8	68.9	188.5	17.2
1987 Census	201	228	17	1.6	36.2	1.0	2.1	21.7	119.0	62.1	163.9	17.2
1982 Census	(NA)	311	(NA)	2.3	46.5	1.6	3.3	31.4	246.0	133.5	334.5	45.0
1977 Census	(NA)	243	26	1.8	25.4	1.2	2.6	16.4	72.8	57.8	112.5	18.2
1972 Census	(NA)	226	20	1.5	13.1	1.1	2.6	9.7	39.8	18.6	53.0	5.4
NEVADA												
1992 Census	261	306	68	12.3	489.2	10.7	22.8	414.1	1 968.3	1 199.1	2 591.9	575.4
1987 Census	232	264	74	7.6	231.8	6.2	12.9	179.3	1 177.5	643.7	1 468.6	352.5
1982 Census	(NA)	293	(NA)	6.6	154.9	5.2	10.9	119.0	467.6	264.4	608.0	124.1
1977 Census	(NA)	189	31	4.1	61.8	3.1	5.9	44.4	152.4	110.2	229.8	32.9
1972 Census	(NA)	143	18	3.2	32.5	2.4	5.1	23.7	103.5	58.4	156.0	5.9
NEW HAMPSHIRE												
1992 Census	34	41	3	.3	9.6	.2	.4	5.7	25.3	10.0	33.1	2.3
1987 Census	48	53	9	.5	12.0	.4	.8	8.7	40.9	12.8	49.8	3.9
1982 Census	(NA)	28	3	.3	6.7	.2	.6	5.1	17.3	10.4	25.2	2.5
1977 Census	(NA)	29	2	.2	2.9	.2	.4	2.2	7.9	5.5	12.1	1.3
1972 Census	(NA)	27	3	.2	2.4	.2	.5	2.0	5.8	2.8	7.7	.9
NEW JERSEY												
1992 Census	97	114	36	2.5	99.3	1.4	3.1	48.6	199.1	101.4	279.4	21.2
1987 Census	141	154	44	4.2	153.3	1.9	4.0	46.7	241.2	116.2	326.2	31.2
1982 Census	(NA)	165	40	3.4	101.8	1.6	3.3	32.0	120.1	77.6	181.3	16.5
1977 Census	(NA)	157	36	3.0	48.6	1.7	3.5	22.1	93.3	49.9	130.4	12.7
1972 Census	(NA)	145	42	3.3	36.8	2.1	4.4	19.4	78.0	43.2	102.8	18.3
NEW MEXICO												
1992 Census	670	737	151	14.6	487.7	11.1	23.0	354.5	3 955.1	2 473.0	5 689.9	738.2
1987 Census	679	752	150	14.8	437.7	10.6	22.4	301.7	3 539.1	1 869.7	4 981.5	427.3
1982 Census	(NA)	1 013	(NA)	26.6	660.0	20.5	43.4	497.1	7 126.7	3 979.8	9 683.3	1 423.3
1977 Census	(NA)	752	177	23.5	377.3	19.1	39.2	301.2	2 688.7	1 597.4	3 747.8	538.3
1972 Census	(NA)	578	135	16.2	160.2	13.2	27.3	123.7	957.8	550.9	1 333.4	175.3

See footnotes at end of table.

Table 2-1. **Historical Statistics for States and Offshore Areas: 1992 and Earlier Census Years—**
Con.

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

Year	Establishments during year			All employees		Production, development, and exploration workers			Value added by mining (million dollars)	Cost of supplies used, purchased machinery installed, etc. (million dollars)	Value of shipments and receipts (million dollars)	Capital expenditures (million dollars)
	Companies (number)	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
NEW YORK												
1992 Census	364	445	62	7.5	301.4	3.8	7.5	102.2	476.6	199.3	616.9	59.1
1987 Census	396	466	77	8.8	342.1	3.9	8.7	98.8	484.3	219.9	641.7	62.5
1982 Census	(NA)	537	(NA)	7.8	204.5	4.3	9.0	88.3	414.7	261.3	576.8	99.2
1977 Census	(NA)	467	63	7.1	133.5	4.2	8.6	61.3	217.8	113.4	298.1	33.1
1972 Census	(NA)	461	74	7.7	94.1	4.7	10.1	47.0	154.3	64.0	193.1	25.2
NORTH CAROLINA												
1992 Census	122	212	70	4.3	126.4	3.1	6.8	80.5	322.2	234.1	508.2	48.1
1987 Census	125	191	75	4.0	95.5	2.9	6.5	63.3	414.2	152.0	526.9	39.3
1982 Census	(NA)	178	(NA)	4.0	67.6	2.9	6.1	42.0	198.3	139.1	303.9	33.6
1977 Census	(NA)	174	68	3.7	43.2	3.0	6.5	31.8	110.9	86.2	173.8	23.3
1972 Census	(NA)	167	65	3.3	25.5	2.8	6.4	20.8	70.6	50.3	108.9	12.0
NORTH DAKOTA												
1992 Census	247	274	38	4.1	161.3	3.3	6.9	125.8	859.9	533.0	1 184.8	208.0
1987 Census	296	326	44	4.0	119.5	3.0	6.1	86.8	978.1	341.4	1 219.6	99.8
1982 Census	(NA)	507	(NA)	8.5	226.1	6.6	14.4	171.8	1 999.1	1 330.7	2 229.0	1 100.7
1977 Census	(NA)	230	32	2.5	43.4	2.0	4.3	33.6	324.6	189.0	349.8	163.8
1972 Census	(NA)	149	22	1.5	14.7	1.1	2.4	11.2	83.8	38.7	105.4	17.1
OHIO												
1992 Census	886	1 022	157	15.0	486.5	10.5	22.0	303.3	1 453.9	747.7	2 064.2	137.4
1987 Census	1 080	1 240	199	19.0	550.1	13.8	29.7	379.5	1 839.8	1 054.1	2 662.8	231.1
1982 Census	(NA)	1 507	(NA)	28.9	707.6	21.9	45.2	509.5	2 325.5	1 459.5	3 237.1	547.9
1977 Census	(NA)	1 209	231	27.6	446.6	22.0	41.6	336.6	1 181.1	744.6	1 661.9	263.8
1972 Census	(NA)	1 115	196	20.1	211.3	16.1	32.9	156.3	464.9	280.0	628.1	116.8
OKLAHOMA												
1992 Census	2 543	2 742	312	44.5	1 678.1	20.1	40.9	614.9	6 406.9	2 995.4	8 341.0	1 061.3
1987 Census	2 700	2 981	358	46.0	1 387.1	21.6	45.2	500.4	5 523.1	3 707.4	8 388.6	841.8
1982 Census	(NA)	4 363	(NA)	104.1	2 666.6	60.2	128.7	1 342.3	13 274.5	9 694.9	18 447.0	4 522.4
1977 Census	(NA)	2 279	365	43.5	696.2	26.0	58.7	407.8	3 417.7	2 254.0	4 746.5	925.1
1972 Census	(NA)	1 705	274	26.9	266.3	16.5	32.4	138.2	1 133.4	566.0	1 504.6	194.8
OREGON												
1992 Census	143	157	24	1.7	61.1	1.0	2.2	27.9	105.3	48.1	140.8	12.6
1987 Census	168	172	16	1.4	33.5	1.0	2.0	20.9	78.5	44.1	112.4	10.2
1982 Census	(NA)	200	(NA)	1.8	37.0	1.0	1.9	19.1	60.3	32.6	80.4	12.5
1977 Census	(NA)	157	18	1.3	20.0	1.0	2.0	14.5	59.1	23.2	76.3	6.0
1972 Census	(NA)	136	18	1.3	12.9	1.1	2.2	9.8	37.6	15.9	47.9	5.6
PENNSYLVANIA												
1992 Census	1 003	1 219	266	24.9	878.8	18.6	38.9	612.5	2 344.7	1 628.0	3 714.9	257.9
1987 Census	1 144	1 382	314	33.4	977.6	24.7	50.7	705.2	2 561.6	1 821.6	4 102.0	281.2
1982 Census	(NA)	1 610	(NA)	48.0	1 180.2	37.1	70.8	868.2	2 936.8	2 179.0	4 575.6	540.2
1977 Census	(NA)	1 696	417	51.7	851.9	42.1	80.7	658.1	2 166.1	1 895.8	3 625.4	436.5
1972 Census	(NA)	1 543	338	41.9	441.6	33.6	68.4	337.2	847.2	610.0	1 311.2	146.0
RHODE ISLAND												
1992 Census	18	18	2	.1	3.6	.1	.2	2.5	12.1	5.3	16.1	1.3
1987 Census	15	16	4	.2	5.3	.2	.3	4.4	15.6	6.7	20.4	2.0
1982 Census	(NA)	20	2	.2	2.9	.1	.2	2.0	7.3	3.3	9.8	.8
1977 Census	(NA)	23	2	.1	2.1	.1	.2	1.6	5.0	3.7	7.3	1.4
1972 Census	(NA)	17	5	.3	2.8	.2	.5	2.3	4.4	2.9	6.8	.6
SOUTH CAROLINA												
1992 Census	56	86	28	1.6	47.6	1.3	2.7	34.1	177.5	92.7	234.1	36.1
1987 Census	57	85	30	1.5	34.9	1.2	2.8	26.4	143.1	85.1	178.5	49.7
1982 Census	(NA)	76	(NA)	1.5	24.0	1.2	2.6	17.3	72.2	52.8	108.6	16.4
1977 Census	(NA)	70	26	1.5	15.6	1.2	2.5	11.6	47.1	30.7	70.2	7.6
1972 Census	(NA)	58	24	1.5	11.1	1.3	3.0	8.4	34.2	17.6	46.4	5.3
SOUTH DAKOTA												
1992 Census	64	72	16	2.3	81.6	1.8	4.0	64.1	213.1	120.9	308.6	25.4
1987 Census	75	84	10	2.1	62.3	1.7	3.5	48.7	190.8	101.0	262.6	29.1
1982 Census	(NA)	119	(NA)	2.3	49.7	1.7	3.1	35.4	115.9	85.0	172.7	28.2
1977 Census	(NA)	68	9	2.4	34.6	2.1	3.9	27.0	68.0	55.7	99.6	24.1
1972 Census	(NA)	68	9	1.8	18.5	1.5	3.4	14.6	32.4	18.5	46.2	4.8
TENNESSEE												
1992 Census	204	291	75	4.6	120.0	3.5	7.5	84.0	348.3	225.9	539.3	34.9
1987 Census	276	341	92	6.5	158.5	4.7	10.1	106.4	458.4	263.0	661.0	60.4
1982 Census	(NA)	515	(NA)	9.0	186.1	7.4	14.6	144.3	497.7	396.8	793.1	101.4
1977 Census	(NA)	481	139	9.1	128.7	7.9	15.9	103.9	378.1	266.8	559.2	85.6
1972 Census	(NA)	353	97	7.3	61.0	6.3	13.0	48.2	152.1	101.7	225.7	28.1

See footnotes at end of table.

Table 2-1. **Historical Statistics for States and Offshore Areas: 1992 and Earlier Census Years—**
Con.

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

Year	Establishments during year			All employees		Production, development, and exploration workers			Value added by mining (million dollars)	Cost of supplies used, purchased machinery installed, etc. (million dollars)	Value of shipments and receipts (million dollars)	Capital expenditures (million dollars)
	Companies (number)	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
TEXAS												
1992 Census	6 663	7 544	1 047	149.9	5 984.3	75.2	159.6	2 264.3	26 192.6	16 681.0	38 546.4	4 327.2
1987 Census	7 029	8 022	1 251	158.0	5 137.8	83.5	178.0	2 113.3	29 676.5	14 468.3	40 319.0	3 825.8
1982 Census	(NA)	9 850	(NA)	266.8	6 755.5	163.5	351.4	3 656.5	54 452.6	30 257.3	72 462.2	12 247.7
1977 Census	(NA)	6 268	1 222	143.4	2 373.6	91.1	197.0	1 347.9	19 673.9	11 857.3	27 364.4	4 166.8
1972 Census	(NA)	4 854	900	95.8	1 006.5	56.6	119.1	490.0	6 711.0	3 168.2	8 911.9	967.3
UTAH												
1992 Census	361	391	74	8.1	298.5	6.2	13.1	219.9	1 755.4	1 005.4	2 174.1	586.7
1987 Census	337	380	68	7.9	236.7	5.7	11.9	161.8	1 552.0	582.5	1 951.8	182.7
1982 Census	(NA)	585	(NA)	17.5	466.8	13.6	27.4	355.0	1 664.8	1 660.4	2 700.9	624.3
1977 Census	(NA)	429	100	16.7	269.3	11.7	23.1	183.0	910.7	625.9	1 270.3	266.3
1972 Census	(NA)	308	75	11.4	116.5	8.9	17.6	87.3	372.3	319.3	576.7	114.8
VERMONT												
1992 Census	55	60	10	.7	20.5	.5	1.0	13.5	77.7	43.8	110.8	10.8
1987 Census	42	45	9	.7	18.1	.5	.9	9.3	57.8	39.4	89.5	7.7
1982 Census	(NA)	46	12	.8	15.1	.5	1.0	8.7	36.1	29.8	57.9	8.0
1977 Census	(NA)	39	7	.7	8.3	.6	1.2	6.5	25.2	12.8	34.9	3.1
1972 Census	(NA)	36	10	.8	6.2	.7	1.3	5.1	14.1	5.0	17.3	1.8
VIRGINIA												
1992 Census	424	577	228	15.9	546.5	12.7	25.8	414.2	1 601.8	1 439.3	2 890.9	150.2
1987 Census	593	723	252	18.8	546.8	14.7	29.7	412.0	1 554.4	1 312.1	2 664.4	202.1
1982 Census	(NA)	895	(NA)	24.4	532.7	19.4	35.0	407.9	1 466.8	1 482.5	2 677.6	271.7
1977 Census	(NA)	896	223	23.2	350.0	19.3	33.7	271.6	1 015.8	952.3	1 752.0	216.1
1972 Census	(NA)	586	173	16.8	166.2	14.3	27.7	133.1	360.2	285.5	571.6	74.1
WASHINGTON												
1992 Census	183	194	31	3.2	112.5	2.4	5.1	83.1	310.5	144.6	420.2	35.0
1987 Census	179	189	20	2.8	83.8	2.2	4.4	61.4	275.7	137.0	380.3	32.3
1982 Census	(NA)	229	(NA)	2.8	66.8	2.2	4.5	51.4	161.9	119.0	237.5	43.4
1977 Census	(NA)	199	18	2.0	36.2	1.5	3.1	25.7	84.9	63.8	132.5	16.2
1972 Census	(NA)	175	21	1.9	18.2	1.6	3.1	14.6	45.9	25.1	56.6	14.5
WEST VIRGINIA												
1992 Census	933	1 163	340	33.0	1 330.8	27.4	58.6	1 097.1	4 212.4	3 163.1	6 854.9	520.6
1987 Census	1 048	1 259	350	35.4	1 180.2	28.4	58.3	957.3	3 674.1	2 665.4	5 889.0	450.4
1982 Census	(NA)	1 495	(NA)	63.1	1 679.9	52.0	101.4	1 344.9	4 789.8	3 421.4	7 312.9	898.3
1977 Census	(NA)	1 560	458	69.6	1 081.1	59.8	97.5	882.5	2 820.4	2 019.7	4 183.5	656.6
1972 Census	(NA)	1 392	355	53.0	575.9	45.3	88.1	473.3	1 194.5	711.0	1 695.1	210.4
WISCONSIN												
1992 Census	145	167	28	2.3	79.2	1.6	3.7	54.6	251.2	122.5	322.7	51.0
1987 Census	156	169	27	1.8	46.3	1.4	2.9	32.3	155.2	78.5	209.3	24.4
1982 Census	(NA)	201	(NA)	1.9	38.4	1.4	2.7	27.2	85.8	56.2	131.5	10.4
1977 Census	(NA)	217	30	2.6	39.5	2.1	4.4	30.0	87.1	54.4	128.1	13.4
1972 Census	(NA)	214	27	2.5	25.7	1.9	4.0	17.6	63.5	28.7	84.5	7.7
WYOMING												
1992 Census	629	718	131	16.0	643.5	12.5	25.5	483.9	5 965.6	3 063.5	8 424.1	605.0
1987 Census	658	774	142	17.1	579.9	12.7	26.7	413.5	4 362.0	2 060.4	5 846.5	575.9
1982 Census	(NA)	1 150	(NA)	34.2	939.6	26.0	54.3	690.4	6 858.8	3 946.7	8 606.9	2 198.7
1977 Census	(NA)	786	184	22.7	403.7	17.9	38.6	304.9	2 282.0	1 516.6	2 967.5	831.1
1972 Census	(NA)	507	119	11.5	120.0	9.1	19.1	90.7	678.5	388.7	886.7	180.5
OFFSHORE AREAS²												
1992 Census	51	55	19	5.5	229.2	4.7	10.0	182.0	2 663.0	473.7	2 666.6	470.0
1987 Census	(NA)	45	29	3.6	121.4	3.1	6.6	97.0	2 632.2	1 304.4	1 457.9	109.6
1982 Census	(NA)	80	(NA)	5.4	155.7	4.2	9.2	114.5	2 803.4	1 080.9	2 843.5	1 040.8
1977 Census	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1972 Census	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

¹Includes data for Delaware and the District of Columbia except for establishments.

²Represents offshore areas not associated with a State.

Table 2-2. Summary Statistics for States and Offshore Areas: 1992

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

Item	United States	Alabama	Alaska	Arizona	Arkansas	California	Colorado	Connecticut	Delaware and District of Columbia
Establishments during year number	30 787	395	195	252	360	1 232	1 132	82	23
With 0 to 19 employees number	25 187	293	138	195	319	931	961	63	21
With 20 to 99 employees number	4 474	79	34	39	36	238	135	18	2
With 100 employees or more number	1 126	23	23	18	5	63	36	1	-
All employees:									
Average for year 1,000	638.2	10.8	10.5	13.7	3.3	34.5	17.1	1.4	.2
Payroll for year mil dol	24 198.6	400.7	638.6	505.5	84.6	1 416.2	759.0	69.1	9.1
Production, development, and exploration workers:									
Average for year 1,000	415.4	7.8	6.3	11.2	2.5	19.4	9.0	.5	(Z)
March 1,000	417.7	8.3	6.3	11.1	2.5	19.7	8.8	.5	(Z)
May 1,000	419.2	7.7	6.4	11.3	2.5	19.8	9.0	.6	.1
August 1,000	417.1	7.7	6.3	11.3	2.5	19.3	9.1	.6	.1
November 1,000	408.8	7.5	6.1	11.0	2.5	18.7	9.0	.5	(Z)
Hours millions	876.3	16.1	14.4	23.1	5.3	40.4	18.8	1.2	.1
Wages mil dol	13 832.6	269.2	344.3	390.3	61.0	675.6	318.4	19.0	1.2
Supplemental labor costs not included in payroll mil dol	5 500.8	154.9	119.3	113.7	21.3	260.7	118.9	8.2	.4
Legally required expenditures, including Social Security contributions mil dol	2 413.4	40.2	41.9	49.1	9.1	118.3	57.8	3.9	.2
Payments for voluntary programs mil dol	3 087.4	114.7	77.4	64.7	12.1	142.4	61.1	4.3	.2
Value added by mining mil dol	113 621.3	1 525.7	8 522.0	1 821.9	461.4	6 038.8	2 407.9	79.7	7.3
Cost of supplies mil dol	65 652.9	731.2	2 149.2	1 052.5	191.9	2 442.5	1 523.9	24.3	3.4
Supplies used, minerals received, and purchased machinery installed mil dol	48 740.8	544.2	1 126.8	639.4	129.8	1 348.4	1 101.3	13.4	2.4
Resales mil dol	558.6	9.4	4.0	1.8	.6	12.6	5.4	.4	(D)
Purchased fuels consumed mil dol	2 729.2	34.5	66.2	46.6	14.7	255.5	50.4	3.4	.4
Purchased electric energy:									
Quantity mil kWh	77 063.3	1 298.9	139.8	4 872.4	281.1	4 458.7	1 823.5	56.5	4.0
Cost mil dol	3 638.8	68.6	10.0	248.1	15.6	298.0	106.5	4.9	.2
Electric energy generated less sold mil kWh	3 702.9	(D)	1 116.1	(D)	2.3	1 013.5	6.3	-	-
Contract work mil dol	9 985.6	74.5	942.2	116.6	31.2	527.9	260.2	2.3	(D)
Cost of purchased communication services mil dol	172.0	1.7	7.1	2.0	.6	8.2	5.1	.1	(Z)
Value of shipments and receipts mil dol	162 095.4	2 114.6	9 546.8	2 661.9	572.9	7 545.2	3 421.4	98.9	10.0
Value of resales mil dol	639.8	9.7	4.1	2.0	.6	13.9	5.6	.4	(D)
Inventories, end of 1991 mil dol	7 927.2	162.6	450.5	278.9	32.5	352.4	146.2	12.6	.4
Mined or quarried products mil dol	4 085.0	106.0	(D)	172.5	20.0	204.9	59.8	10.3	(D)
Supplies, parts, fuels, etc. mil dol	3 842.3	56.6	(D)	106.5	12.5	147.5	86.4	2.3	(D)
Inventories, end of 1992 mil dol	7 930.4	170.1	342.4	306.9	30.4	321.2	144.0	13.0	.3
Mined or quarried products mil dol	4 259.8	110.4	(D)	195.1	17.2	186.3	68.0	10.7	(D)
Supplies, parts, fuels, etc. mil dol	3 670.6	59.6	(D)	111.9	13.2	134.9	82.2	2.2	(D)
Capital expenditures during year (except land and mineral rights) mil dol	17 178.8	142.3	1 124.5	212.5	80.5	936.0	510.4	5.0	.8
New capital expenditures during year mil dol	7 903.9	104.6	704.3	177.7	27.4	581.0	203.3	3.9	(D)
Buildings and other structures, except land mil dol	1 061.0	2.8	(D)	(D)	1.5	265.6	22.1	.4	(Z)
Machinery and equipment mil dol	6 842.9	101.8	(D)	(D)	26.0	315.4	181.2	3.4	(D)
Used capital expenditures during year mil dol	1 239.0	7.1	12.7	11.5	3.0	45.2	33.9	1.1	(D)
Buildings and other structures, except land mil dol	80.9	.1	.3	.2	.1	5.5	(D)	(Z)	(Z)
Machinery and equipment mil dol	1 158.1	6.9	12.4	11.3	2.9	39.7	(D)	1.1	(D)
Mineral exploration and development ¹ mil dol	8 035.9	30.7	407.4	23.3	50.0	309.8	273.2	(Z)	(Z)
Capitalized mineral land and rights ² mil dol	391.6	1.2	(D)	3.4	.5	11.0	15.8	.5	(Z)
Deductions from depreciable assets during year ³ mil dol	5 531.5	104.4	51.4	98.7	22.6	161.8	119.2	3.7	.1
Buildings and other structures, except land ⁴ mil dol	439.2	1.8	3.1	1.1	1.5	10.0	9.2	.3	(D)
Machinery and equipment ⁴ mil dol	4 454.8	100.9	48.1	(D)	20.0	137.8	92.7	2.9	(D)
Mineral exploration and development ² mil dol	272.7	.2	.1	(D)	.3	8.7	7.9	.1	-
Mineral land and rights ² mil dol	364.8	1.4	(Z)	(D)	.8	5.3	9.3	.4	(Z)
Gross book value of depreciable assets at end of year ³ mil dol	88 726.9	1 991.4	1 684.0	3 052.5	291.3	3 490.2	2 433.3	101.8	10.1
Buildings and other structures, except land ⁴ mil dol	11 115.2	122.8	107.9	481.7	30.0	501.4	232.9	8.9	.2
Machinery and equipment ⁴ mil dol	64 526.0	1 460.5	1 257.0	2 251.2	252.2	2 448.8	1 593.6	85.1	(D)
Mineral exploration and development ² mil dol	6 143.0	(D)	305.5	202.9	1.8	267.5	381.4	1.0	(Z)
Mineral land and rights ² mil dol	6 942.7	(D)	13.5	116.7	7.4	272.5	225.3	6.8	(D)
Depreciation and depletion charges for year ³ mil dol	5 847.0	122.6	91.4	225.1	21.2	284.1	175.3	6.3	1.2
Buildings and other structures, except land ⁴ mil dol	599.0	5.2	7.8	24.7	2.0	35.0	18.2	.5	(D)
Machinery and equipment ⁴ mil dol	4 514.4	106.6	75.4	176.4	18.8	214.3	109.2	5.3	(D)
Mineral exploration and development ² mil dol	443.3	(D)	7.6	15.8	.1	20.3	37.4	.1	(D)
Mineral land and rights ² mil dol	290.3	(D)	.7	8.2	.3	14.6	10.6	.3	(D)
Rental payments during year mil dol	1 718.7	24.6	72.7	20.6	5.3	83.2	40.5	1.3	(D)
Buildings and other structures, except land mil dol	330.3	1.2	10.3	5.0	1.3	19.2	12.8	.3	(D)
Machinery and equipment mil dol	1 388.3	23.4	62.4	15.6	4.0	64.0	27.6	1.0	(D)
Lease rents mil dol	137.3	2.2	.6	1.4	.1	5.1	.5	-	(D)
Expensed mineral exploration, development, land, and rights ¹ mil dol	8 962.2	102.1	257.7	49.7	31.7	1 023.5	96.2	(D)	(D)
Mineral exploration and development mil dol	8 252.3	73.7	(D)	(D)	(D)	1 014.3	89.8	-	(D)
Mineral land and rights mil dol	709.9	28.3	(D)	(D)	(D)	9.2	6.3	(D)	(D)

See footnotes at end of table.

Table 2-2. Summary Statistics for States and Offshore Areas: 1992—Con.

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

Item	Florida	Georgia	Hawaii	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Establishments during year number	293	215	7	136	858	426	187	1 207	1 140
With 0 to 19 employees number	232	130	3	108	717	344	162	1 088	780
With 20 to 99 employees number	42	70	4	20	100	66	25	112	305
With 100 employees or more number	19	15	—	8	41	16	—	7	55
All employees:									
Average for year 1,000	8.3	8.2	.2	2.8	17.5	7.1	2.0	10.9	30.6
Payroll for year mil dol	260.5	249.3	9.4	109.8	686.8	258.2	52.7	353.1	1068.3
Production, development, and exploration workers:									
Average for year 1,000	6.3	6.4	.2	2.1	12.7	5.3	1.4	6.8	25.6
March 1,000	6.4	6.4	.2	2.2	12.7	5.1	1.4	6.8	25.7
May 1,000	6.4	6.4	.2	2.2	13.0	5.5	1.5	6.8	25.8
August 1,000	6.4	6.4	.2	2.1	12.9	5.5	1.5	6.9	25.8
November 1,000	5.9	6.3	.2	1.8	12.4	5.1	1.4	6.6	25.1
Hours millions	13.5	14.2	.4	4.4	25.8	11.5	3.4	13.9	55.1
Wages mil dol	170.1	177.5	8.1	70.6	476.3	178.7	35.4	169.4	865.5
Supplemental labor costs not included in payroll mil dol	67.0	67.1	2.6	25.6	253.0	72.1	10.6	54.4	378.0
Legally required expenditures, including Social Security contributions mil dol	25.2	22.4	1.5	11.2	94.4	23.2	5.2	24.3	187.0
Payments for voluntary programs mil dol	41.8	44.7	1.1	14.4	158.7	48.9	5.4	30.1	190.9
Value added by mining mil dol	979.9	804.9	27.3	203.1	1 999.9	825.6	153.4	2 290.0	3687.8
Cost of supplies mil dol	699.4	458.0	11.3	187.4	1 218.3	465.6	82.1	2 255.7	2895.0
Supplies used, minerals received, and purchased machinery installed mil dol	408.6	271.5	7.7	105.4	927.7	281.5	47.0	2 022.4	2055.2
Resales mil dol	2.1	7.4	(D)	.3	20.9	19.0	6.6	9.9	41.6
Purchased fuels consumed mil dol	35.4	54.6	1.3	13.0	47.5	40.0	11.6	66.4	122.4
Purchased electric energy:									
Quantity mil kWh	2 860.1	1 215.8	17.1	528.9	1 853.6	756.5	106.3	808.0	2212.9
Cost mil dol	122.4	57.4	1.3	17.4	104.9	35.0	5.5	49.0	93.8
Electric energy generated less sold mil kWh	(D)	(D)	(D)	3.5	(D)	(D)	(D)	13.6	(D)
Contract work mil dol	130.9	67.2	(D)	51.3	117.4	90.1	11.5	108.0	582.0
Cost of purchased communication services mil dol	2.4	1.5	(D)	.6	2.4	1.1	.4	3.7	3.6
Value of shipments and receipts mil dol	1 548.6	1 176.0	33.7	323.5	2 943.6	1 190.0	219.8	4 347.2	6080.9
Value of resales mil dol	2.1	8.9	(D)	.3	23.7	20.7	6.9	10.9	44.5
Inventories, end of 1991 mil dol	288.4	196.4	2.3	66.2	219.5	95.5	32.4	70.9	282.6
Mined or quarried products mil dol	233.3	164.2	(D)	45.4	117.0	45.3	29.9	35.8	150.5
Supplies, parts, fuels, etc. mil dol	55.1	32.2	(D)	20.8	102.5	50.2	2.5	35.0	132.1
Inventories, end of 1992 mil dol	315.4	213.9	3.0	60.9	218.2	102.3	35.4	75.7	280.6
Mined or quarried products mil dol	262.6	182.7	2.6	44.0	129.2	57.1	32.7	38.6	149.9
Supplies, parts, fuels, etc. mil dol	52.8	31.2	.5	17.0	89.0	45.2	2.7	37.1	130.7
Capital expenditures during year (except land and mineral rights) mil dol	130.8	86.9	4.8	66.9	274.6	101.1	15.7	198.5	501.8
New capital expenditures during year mil dol	82.0	74.0	4.8	49.3	154.0	50.0	10.9	95.5	277.2
Buildings and other structures, except land mil dol	2.9	5.4	(Z)	6.6	6.9	7.6	.5	5.7	44.8
Machinery and equipment mil dol	79.1	68.7	4.8	42.7	147.1	42.4	10.4	89.9	232.4
Used capital expenditures during year mil dol	46.3	5.9	(Z)	2.4	68.4	41.1	4.7	10.9	141.4
Buildings and other structures, except land mil dol . . . . .	.1	.1	—	.4	1.9	.3	.1	1.5	8.4
Machinery and equipment mil dol	46.2	5.8	(Z)	2.0	66.5	40.8	4.6	9.4	133.0
Mineral exploration and development ¹ mil dol	2.5	6.9	—	15.3	52.3	10.0	(Z)	92.0	83.3
Capitalized mineral land and rights ² mil dol	30.9	2.4	(D)	.8	17.4	11.0	2.0	.2	53.3
Deductions from depreciable assets during year ³ mil dol	118.5	34.8	2.1	140.7	170.9	46.1	28.7	52.3	493.6
Buildings and other structures, except land ⁴ mil dol	(D)	4.0	.1	(D)	5.2	(D)	1.3	3.8	19.2
Machinery and equipment ⁴ mil dol	105.1	25.0	2.0	61.4	134.1	31.7	25.2	46.6	412.3
Mineral exploration and development ² mil dol	(D)	3.2	—	(D)	(D)	(D)	.2	.2	28.8
Mineral land and rights ² mil dol	(D)	2.5	(Z)	(D)	(D)	1.9	2.1	1.8	33.3
Gross book value of depreciable assets at end of year ³ mil dol	2 995.5	1 680.3	68.4	1 061.0	3 018.3	1 216.2	228.2	650.2	4580.5
Buildings and other structures, except land ⁴ mil dol	311.8	124.1	1.4	121.7	369.5	66.1	13.6	51.7	537.3
Machinery and equipment ⁴ mil dol	1 636.9	1 215.6	66.5	530.3	2 042.9	843.0	194.4	583.3	3238.9
Mineral exploration and development ² mil dol	68.1	33.1	(Z)	256.5	343.7	68.2	3.1	3.2	283.9
Mineral land and rights ² mil dol	978.7	307.4	.5	152.4	262.2	238.9	17.1	12.1	520.5
Depreciation and depletion charges for year ³ mil dol	143.2	102.6	2.8	50.9	207.2	80.5	16.4	44.3	362.9
Buildings and other structures, except land ⁴ mil dol	14.6	5.9	.1	4.8	19.2	3.2	.8	3.1	31.4
Machinery and equipment ⁴ mil dol	102.8	87.3	2.7	27.0	152.2	64.5	14.7	40.2	287.5
Mineral exploration and development ² mil dol	1.9	2.2	—	9.0	25.1	4.8	.2	.2	21.4
Mineral land and rights ² mil dol	23.9	7.2	(Z)	10.2	10.6	8.0	.7	.7	22.5
Rental payments during year mil dol	8.7	10.1	.4	2.8	27.4	28.3	2.4	11.8	78.4
Buildings and other structures, except land mil dol . . . . .	.7	1.0	(Z)	.1	2.6	1.2	.3	3.8	4.8
Machinery and equipment mil dol	8.0	9.1	.4	2.7	24.8	27.1	2.1	8.1	73.7
Lease rents mil dol	2.2	4.3	—	.1	4.7	4.4	1.6	.6	23.5
Expensed mineral exploration, development, land, and rights ¹ mil dol	57.4	12.0	(D)	25.3	258.8	66.8	1.2	109.1	265.7
Mineral exploration and development mil dol	(D)	6.3	—	(D)	202.3	(D)	(D)	(D)	179.4
Mineral land and rights mil dol	(D)	5.7	(D)	(D)	56.4	(D)	(D)	(D)	86.3

See footnotes at end of table.

Table 2-2. Summary Statistics for States and Offshore Areas: 1992—Con.

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

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota	Mississippi	Missouri	Montana
Establishments during year number	1 784	22	115	84	531	154	449	342	367
With 0 to 19 employees number	1 382	22	75	73	451	130	390	290	321
With 20 to 99 employees number	298	—	38	10	69	16	56	40	35
With 100 employees or more number	104	—	2	1	11	8	3	12	11
All employees:									
Average for year 1,000	48.1	.1	2.5	1.2	8.7	7.4	4.3	5.3	5.4
Payroll for year mil dol	1 797.9	1.4	67.5	40.5	289.7	279.7	115.9	177.4	189.1
Production, development, and exploration workers:									
Average for year 1,000	31.0	(Z)	2.0	.5	6.8	6.3	3.2	3.6	4.0
March 1,000	31.9	(Z)	2.0	.5	6.5	6.4	3.3	3.6	3.9
May 1,000	31.0	(Z)	2.1	.5	6.9	6.7	3.3	3.7	4.0
August 1,000	30.4	(Z)	2.1	.5	6.9	5.8	3.3	3.7	4.2
November 1,000	30.6	(Z)	2.0	.5	6.7	6.5	3.1	3.5	3.9
Hours millions	65.7	.1	3.8	1.1	14.5	13.3	7.0	7.7	8.3
Wages mil dol	1 050.3	1.0	54.5	16.1	213.5	234.1	81.5	113.2	128.7
Supplemental labor costs not included in payroll mil dol	361.2	.3	19.3	6.4	86.2	83.3	23.3	47.6	50.4
Legally required expenditures, including Social Security contributions mil dol	169.6	.2	9.3	2.8	36.3	38.8	11.0	16.9	22.9
Payments for voluntary programs mil dol	191.6	.2	10.0	3.6	49.9	44.5	12.3	30.8	27.5
Value added by mining mil dol	14 834.6	5.0	201.3	69.7	1 675.9	748.5	643.6	470.5	1100.0
Cost of supplies mil dol	9 768.9	2.0	137.5	33.6	1 041.7	630.2	262.0	231.5	334.2
Supplies used, minerals received, and purchased machinery installed mil dol	8 106.5	1.2	94.3	21.3	770.1	345.3	160.3	143.2	185.6
Resales mil dol	24.5	(D)	6.5	.7	3.2	1.6	1.3	5.4	.4
Purchased fuels consumed mil dol	178.1	.3	7.3	3.4	57.1	66.9	24.4	27.8	23.0
Purchased electric energy:									
Quantity mil kWh	3 097.4	2.9	218.1	53.9	2 654.7	5 119.1	397.2	529.2	1368.3
Cost mil dol	147.7	.2	12.3	4.7	110.7	184.4	23.8	27.1	50.3
Electric energy generated less sold mil kWh	267.9	—	(D)	—	(D)	(D)	(D)	(D)	(D)
Contract work mil dol	1 312.1	(D)	17.2	3.5	100.6	32.0	52.3	28.1	74.9
Cost of purchased communication services mil dol	22.9	(D)	.6	.1	2.0	1.3	1.3	.8	.9
Value of shipments and receipts mil dol	22 353.7	6.6	307.7	96.1	2 523.5	1 325.0	799.9	660.4	1324.9
Value of resales mil dol	26.1	(D)	7.2	.9	3.4	1.7	1.4	5.6	.4
Inventories, end of 1991 mil dol	631.4	.8	62.8	11.0	152.4	188.3	39.7	94.4	87.9
Mined or quarried products mil dol	118.8	.6	50.9	8.8	85.7	105.1	19.4	63.2	49.1
Supplies, parts, fuels, etc. mil dol	512.5	.2	11.9	2.2	66.7	83.2	20.2	31.2	38.9
Inventories, end of 1992 mil dol	630.8	.8	59.7	11.2	152.8	193.2	39.2	88.0	87.4
Mined or quarried products mil dol	119.6	.6	48.8	9.2	88.0	114.3	18.3	64.7	47.8
Supplies, parts, fuels, etc. mil dol	511.2	.2	11.0	2.1	64.9	78.9	20.9	23.4	39.7
Capital expenditures during year (except land and mineral rights) mil dol	2 249.8	.4	31.1	7.2	194.2	53.7	105.8	41.6	109.2
New capital expenditures during year mil dol	673.8	.3	28.4	5.6	78.0	39.5	58.3	(D)	43.6
Buildings and other structures, except land mil dol	28.5	(Z)	.6	.5	3.2	(D)	1.8	(D)	4.8
Machinery and equipment mil dol	645.3	.3	27.8	5.0	74.8	(D)	56.5	27.8	38.9
Used capital expenditures during year mil dol	93.3	.1	2.5	1.6	9.6	11.5	5.1	(D)	8.7
Buildings and other structures, except land mil dol	2.9	(Z)	.2	.7	(Z)	(Z)	.1	(D)	.5
Machinery and equipment mil dol	90.4	.1	2.4	1.6	8.9	11.5	5.0	11.4	8.2
Mineral exploration and development ¹ mil dol	1 482.8	(Z)	.2	(Z)	106.6	2.6	42.4	1.0	56.9
Capitalized mineral land and rights ² mil dol . . . . .	.3	(Z)	.6	.5	1.6	.6	.5	2.7	.3
Deductions from depreciable assets during year ³ mil dol	280.3	.3	35.3	8.3	46.5	17.4	23.7	268.0	26.9
Buildings and other structures, except land ⁴ mil dol	71.6	(Z)	.8	.5	4.8	(D)	1.9	2.4	(D)
Machinery and equipment ⁴ mil dol	208.4	.3	(D)	7.0	39.8	(D)	20.6	(D)	22.0
Mineral exploration and development ² mil dol	(Z)	(Z)	.1	.1	.1	(D)	(Z)	.3	(D)
Mineral land and rights ² mil dol . . . . .	.4	(Z)	(D)	.8	1.8	.4	1.2	(D)	(D)
Gross book value of depreciable assets at end of year ³ mil dol	3 920.8	6.6	517.5	123.3	1 977.2	2 848.0	323.6	808.8	1394.9
Buildings and other structures, except land ⁴ mil dol	497.8	.6	29.6	22.0	139.5	1 364.2	47.3	119.3	215.1
Machinery and equipment ⁴ mil dol	3 410.6	5.6	411.3	89.0	1 645.2	1 392.4	266.1	560.3	795.6
Mineral exploration and development ² mil dol	3.2	.1	12.2	.6	(D)	30.9	.3	47.9	299.4
Mineral land and rights ² mil dol	9.2	.5	64.5	11.7	(D)	60.5	9.9	81.4	84.9
Depreciation and depletion charges for year ³ mil dol	249.1	.6	30.9	7.7	96.8	86.6	22.5	67.8	90.6
Buildings and other structures, except land ⁴ mil dol	31.7	.1	2.1	1.1	5.2	37.3	2.8	6.3	11.3
Machinery and equipment ⁴ mil dol	216.7	.5	26.5	6.0	84.9	45.1	19.2	52.7	50.5
Mineral exploration and development ² mil dol . . . . .	.2	(Z)	.7	(Z)	(D)	2.0	(Z)	3.1	24.3
Mineral land and rights ² mil dol . . . . .	.5	(Z)	1.7	.6	(D)	2.3	.5	5.8	4.5
Rental payments during year mil dol	284.7	.1	5.9	1.8	16.6	16.5	11.0	4.3	8.3
Buildings and other structures, except land mil dol	53.8	(Z)	1.6	.3	2.9	.4	2.8	.4	1.3
Machinery and equipment mil dol	230.9	.1	4.3	1.5	13.7	16.1	8.2	3.9	7.0
Lease rents mil dol . . . . .	.1	(D)	.5	.3	1.3	.3	.3	1.7	.6
Expensed mineral exploration, development, land, and rights ¹ mil dol	1 223.5	(D)	(D)	—	64.7	47.8	39.8	7.6	84.3
Mineral exploration and development mil dol	(D)	(D)	(D)	—	62.7	28.9	(D)	4.1	22.8
Mineral land and rights mil dol	(D)	—	(D)	—	2.1	19.0	(D)	3.5	61.4

See footnotes at end of table.

Table 2-2. Summary Statistics for States and Offshore Areas: 1992—Con.

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

Item	Nebraska	Nevada	New Hampshire	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Establishments during year number	194	306	41	114	737	445	212	274	1 022
With 0 to 19 employees number	179	238	38	78	586	383	142	236	865
With 20 to 99 employees number	15	38	3	33	120	48	64	30	140
With 100 employees or more number	—	30	—	3	31	14	6	8	17
All employees:									
Average for year 1,000	1.3	12.3	.3	2.5	14.6	7.5	4.3	4.1	15.0
Payroll for year mil dol	31.8	489.2	9.6	99.3	487.7	301.4	126.4	161.3	486.5
Production, development, and exploration workers:									
Average for year 1,000	1.0	10.7	.2	1.4	11.1	3.8	3.1	3.3	10.5
March 1,000	1.0	10.6	.2	1.3	11.2	3.5	3.1	3.1	10.5
May 1,000	1.0	10.7	.2	1.4	10.9	3.7	3.2	3.3	10.8
August 1,000	1.0	10.9	.2	1.5	11.1	4.1	3.2	3.3	10.6
November 1,000 . . . . .	.9	10.5	.2	1.4	11.2	3.8	3.0	3.3	10.0
Hours millions	2.0	22.8	.4	3.1	23.0	7.5	6.8	6.9	22.0
Wages mil dol	21.9	414.1	5.7	48.6	354.5	102.2	80.5	125.8	303.3
Supplemental labor costs not included in payroll mil dol	6.4	124.6	2.5	15.6	116.8	36.7	27.7	41.6	149.4
Legally required expenditures, including Social Security contributions mil dol	3.2	53.2	1.4	7.1	49.3	19.1	11.2	14.8	59.6
Payments for voluntary programs mil dol	3.2	71.4	1.1	8.5	67.6	17.6	16.5	26.8	89.7
Value added by mining mil dol	136.8	1 968.3	25.3	199.1	3 955.1	476.6	322.2	859.9	1453.9
Cost of supplies mil dol	68.9	1 199.1	10.0	101.4	2 473.0	199.3	234.1	533.0	747.7
Supplies used, minerals received, and purchased machinery installed mil dol	47.8	828.4	6.0	61.5	1 928.0	115.0	157.6	271.5	434.6
Resales mil dol	1.6	(D)	(D)	6.1	8.0	9.2	1.4	1.5	54.5
Purchased fuels consumed mil dol	5.7	98.3	1.4	10.5	69.4	23.0	17.2	75.1	57.8
Purchased electric energy:									
Quantity mil kWh	137.0	1 901.4	12.4	159.0	2 793.0	350.6	682.6	1 335.8	1071.3
Cost mil dol	5.8	91.2	1.1	13.6	132.4	30.7	35.9	57.5	55.6
Electric energy generated less sold mil kWh	—	32.5	(D)	(D)	74.1	(D)	(D)	(D)	—1.5
Contract work mil dol	8.0	(D)	(D)	9.8	335.2	21.4	22.1	127.4	145.3
Cost of purchased communication services mil dol . . . . .	.2	2.5	(D)	.6	5.4	.8	.7	1.3	2.6
Value of shipments and receipts mil dol	188.5	2 591.9	33.1	279.4	5 689.9	616.9	508.2	1 184.8	2064.2
Value of resales mil dol	1.8	(D)	(D)	6.5	8.5	9.9	1.9	1.6	56.7
Inventories, end of 1991 mil dol	9.9	315.8	5.9	47.3	199.1	86.9	77.0	73.5	169.6
Mined or quarried products mil dol	6.1	192.5	5.3	40.4	85.3	68.0	51.8	17.1	103.5
Supplies, parts, fuels, etc. mil dol	3.8	123.4	.7	6.8	113.8	19.0	25.2	56.5	66.1
Inventories, end of 1992 mil dol	9.2	340.7	5.7	45.2	189.4	87.1	82.1	75.2	183.4
Mined or quarried products mil dol	5.0	219.5	5.0	38.8	82.3	67.8	56.3	17.5	116.8
Supplies, parts, fuels, etc. mil dol	4.2	121.2	.7	6.4	107.1	19.3	25.7	57.7	66.6
Capital expenditures during year (except land and mineral rights) mil dol	17.2	575.4	2.3	21.2	738.2	59.1	48.1	208.0	137.4
New capital expenditures during year mil dol	11.9	441.7	1.8	14.5	343.2	45.3	42.4	108.3	75.7
Buildings and other structures, except land mil dol	(D)	52.6	.1	.5	43.4	4.0	.9	7.7	6.7
Machinery and equipment mil dol	(D)	389.0	1.7	13.9	299.8	41.3	41.4	100.6	69.1
Used capital expenditures during year mil dol	2.0	9.8	.5	5.6	61.0	7.5	5.6	6.7	19.0
Buildings and other structures, except land mil dol . . . . .	.1	.5	(Z)	(Z)	.3	.2	.1	.7	2.2
Machinery and equipment mil dol	2.0	9.3	.5	5.5	60.7	7.3	5.5	6.0	16.8
Mineral exploration and development ¹ mil dol	3.3	124.0	(Z)	1.2	333.9	6.3	.1	93.0	42.7
Capitalized mineral land and rights ² mil dol . . . . .	.3	60.2	.1	.3	.6	1.4	3.2	2.5	8.3
Deductions from depreciable assets during year ³ mil dol	4.2	214.6	2.4	13.5	88.6	20.9	18.6	20.0	107.9
Buildings and other structures, except land ⁴ mil dol . . . . .	.4	6.9	.3	(D)	(D)	1.5	.6	1.3	10.5
Machinery and equipment ⁴ mil dol	3.6	134.7	1.9	8.3	83.2	17.6	17.1	18.1	88.2
Mineral exploration and development ² mil dol	(Z)	67.0	(Z)	.1	(D)	.1	.1	(Z)	(D)
Mineral land and rights ² mil dol . . . . .	.2	5.8	.2	(D)	.5	1.6	.8	.6	(D)
Gross book value of depreciable assets at end of year ³ mil dol	115.0	4 827.3	51.1	456.5	2 707.0	706.0	1 151.3	969.8	2086.9
Buildings and other structures, except land ⁴ mil dol	17.1	535.3	2.3	75.9	296.8	63.6	49.1	(D)	423.8
Machinery and equipment ⁴ mil dol	84.9	2 830.9	33.3	303.5	2 094.8	576.1	1 023.2	748.7	1163.5
Mineral exploration and development ² mil dol	(D)	1 010.6	(D)	20.7	162.5	13.7	13.4	(D)	(D)
Mineral land and rights ² mil dol	(D)	450.5	(D)	56.4	152.9	52.6	65.6	66.6	(D)
Depreciation and depletion charges for year ³ mil dol	8.5	436.1	3.9	37.1	162.0	47.2	48.0	58.5	142.2
Buildings and other structures, except land ⁴ mil dol	1.9	47.3	.2	3.5	17.6	3.3	1.8	7.9	22.6
Machinery and equipment ⁴ mil dol	6.1	230.4	2.8	29.1	130.7	40.4	43.5	48.1	106.8
Mineral exploration and development ² mil dol	(D)	120.2	(D)	1.3	7.6	1.4	.8	(D)	4.0
Mineral land and rights ² mil dol	(D)	38.2	(D)	3.3	6.1	2.1	1.9	(D)	8.7
Rental payments during year mil dol	1.1	22.6	.8	3.4	33.7	9.4	7.6	11.0	70.8
Buildings and other structures, except land mil dol . . . . .	.2	2.9	.1	.8	9.3	1.7	.8	3.1	10.2
Machinery and equipment mil dol . . . . .	.8	19.7	.6	2.6	24.4	7.7	6.8	7.9	60.7
Lease rents mil dol . . . . .	.2	9.4	—	.1	.3	(Z)	1.1	.7	.6
Expensed mineral exploration, development, land, and rights ¹ mil dol	1.9	139.8	(D)	2.1	309.6	4.3	2.5	89.2	22.8
Mineral exploration and development mil dol	(D)	137.1	(D)	(D)	(D)	2.8	(D)	82.6	16.6
Mineral land and rights mil dol	(D)	2.6	(D)	(D)	(D)	1.5	(D)	6.7	6.2

See footnotes at end of table.

Table 2-2. **Summary Statistics for States and Offshore Areas: 1992—Con.**

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

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina	South Dakota	Tennessee	Texas	Utah
Establishments during year number	2 742	157	1 219	18	86	72	291	7 544	391
With 0 to 19 employees number	2 430	133	953	16	58	56	216	6 497	317
With 20 to 99 employees number	252	23	216	2	27	13	69	800	58
With 100 employees or more number	60	1	50	—	1	3	6	247	16
All employees:									
Average for year 1,000	44.5	1.7	24.9	.1	1.6	2.3	4.6	149.9	8.1
Payroll for year mil dol	1 678.1	61.1	878.8	3.6	47.6	81.6	120.0	5 984.3	298.5
Production, development, and exploration workers:									
Average for year 1,000	20.1	1.0	18.6	.1	1.3	1.8	3.5	75.2	6.2
March 1,000	20.4	1.0	18.8	.1	1.3	1.8	3.4	75.9	6.3
May 1,000	20.2	1.1	18.5	.1	1.3	1.9	3.7	75.2	6.2
August 1,000	20.0	1.1	18.7	.1	1.3	1.9	3.7	75.1	6.3
November 1,000	19.8	1.0	18.3	.1	1.2	1.8	3.5	74.9	6.1
Hours millions	40.9	2.2	38.9	.2	2.7	4.0	7.5	159.6	13.1
Wages mil dol	614.9	27.9	612.5	2.5	34.1	64.1	84.0	2 264.3	219.9
Supplemental labor costs not included in payroll mil dol	186.3	9.6	320.5	1.1	12.3	23.8	29.3	832.0	94.9
Legally required expenditures, including Social Security contributions mil dol	84.7	4.6	171.6	.5	4.6	8.4	14.1	390.3	34.7
Payments for voluntary programs mil dol	101.7	5.0	148.9	.6	7.8	15.5	15.1	441.8	60.2
Value added by mining mil dol	6 406.9	105.3	2 344.7	12.1	177.5	213.1	348.3	26 192.6	1755.4
Cost of supplies mil dol	2 995.4	48.1	1 628.0	5.3	92.7	120.9	225.9	16 681.0	1005.4
Supplies used, minerals received, and purchased machinery installed mil dol	2 246.0	29.8	1 275.1	3.3	58.3	59.8	148.9	13 086.5	804.4
Resales mil dol	18.1	1.4	28.9	(D)	.1	2.0	3.9	79.2	6.0
Purchased fuels consumed mil dol	109.7	7.0	98.1	.9	7.4	7.2	15.4	521.0	30.2
Purchased electric energy:									
Quantity mil kWh	3 855.6	127.2	1 746.0	8.3	274.7	388.9	465.6	14 057.4	1725.4
Cost mil dol	160.6	5.7	96.3	.8	12.6	17.4	26.5	648.9	73.9
Electric energy generated less sold mil kWh	39.3	(D)	(D)	—	(D)	(D)	(D)	601.9	(D)
Contract work mil dol	461.1	4.3	129.6	(D)	14.2	34.5	31.1	2 345.4	90.8
Cost of purchased communication services mil dol	8.7	.1	3.1	(D)	.5	.3	.8	50.1	2.2
Value of shipments and receipts mil dol	8 341.0	140.8	3 714.9	16.1	234.1	308.6	539.3	38 546.4	2174.1
Value of resales mil dol	20.2	1.4	29.1	(D)	.1	2.7	4.4	81.8	6.4
Inventories, end of 1991 mil dol	265.3	14.4	255.4	2.2	36.3	32.6	59.1	1 210.7	168.1
Mined or quarried products mil dol	89.4	11.5	167.8	1.9	27.0	21.3	50.3	546.4	102.0
Supplies, parts, fuels, etc. mil dol	175.9	2.9	87.6	.2	9.3	11.2	8.8	664.3	66.1
Inventories, end of 1992 mil dol	269.0	14.4	258.0	2.2	37.5	33.2	59.8	1 215.8	169.4
Mined or quarried products mil dol	98.7	11.5	168.7	2.0	28.5	22.1	49.5	585.2	107.3
Supplies, parts, fuels, etc. mil dol	170.3	3.0	89.3	.2	9.0	11.1	10.3	630.6	62.2
Capital expenditures during year (except land and mineral rights) mil dol	1 061.3	12.6	257.9	1.3	36.1	25.4	34.9	4 327.2	586.7
New capital expenditures during year mil dol	319.4	10.2	183.0	1.0	12.0	10.5	24.3	1 416.3	415.0
Buildings and other structures, except land mil dol	36.4	.6	10.2	.1	1.1	.4	2.2	151.8	(D)
Machinery and equipment mil dol	283.0	9.6	172.9	1.0	10.9	10.1	22.2	1 264.5	(D)
Used capital expenditures during year mil dol	47.4	2.2	33.7	.3	(D)	1.2	9.5	249.5	11.2
Buildings and other structures, except land mil dol	3.1	.1	1.2	(Z)	(D)	(D)	(D)	15.4	.8
Machinery and equipment mil dol	44.4	2.1	32.4	.3	(D)	(D)	(D)	234.0	10.4
Mineral exploration and development ¹ mil dol	694.5	.2	41.1	(Z)	(D)	13.7	1.0	2 661.4	160.5
Capitalized mineral land and rights ² mil dol . . . . .	.7	.8	18.9	(D)	.6	(D)	.9	18.1	1.2
Deductions from depreciable assets during year ³ mil dol	318.4	6.6	305.9	.9	43.3	38.7	40.3	879.2	139.3
Buildings and other structures, except land ⁴ mil dol	16.0	.4	40.3	(D)	(D)	(D)	2.3	56.4	26.6
Machinery and equipment ⁴ mil dol	301.7	5.5	203.8	(D)	14.5	(D)	33.9	813.1	90.4
Mineral exploration and development ² mil dol . . . . .	.3	(Z)	(D)	(Z)	(D)	(D)	1.6	4.1	(D)
Mineral land and rights ² mil dol . . . . .	.5	.7	(D)	(D)	(D)	(D)	2.5	5.6	(D)
Gross book value of depreciable assets at end of year ³ mil dol	2 480.8	145.0	3 122.0	17.2	448.4	398.5	551.1	10 411.8	2269.5
Buildings and other structures, except land ⁴ mil dol	185.1	14.3	367.9	1.6	33.5	28.2	42.7	873.2	271.6
Machinery and equipment ⁴ mil dol	2 280.4	121.6	2 432.5	13.0	278.8	241.7	439.2	9 091.3	1829.1
Mineral exploration and development ² mil dol	2.6	1.7	88.1	.2	51.5	92.1	15.2	119.6	104.4
Mineral land and rights ² mil dol	12.7	7.4	233.6	2.4	84.7	36.5	54.1	327.8	64.3
Depreciation and depletion charges for year ³ mil dol	156.5	14.9	233.9	1.0	37.0	34.9	44.2	655.1	140.4
Buildings and other structures, except land ⁴ mil dol	12.2	1.0	21.4	.1	1.6	3.1	3.1	48.7	16.6
Machinery and equipment ⁴ mil dol	143.5	13.0	193.5	.9	25.4	19.1	36.5	589.5	112.1
Mineral exploration and development ² mil dol . . . . .	.2	.3	8.4	(Z)	5.3	7.8	1.3	3.7	7.7
Mineral land and rights ² mil dol . . . . .	.6	.5	10.6	.1	4.7	5.0	3.3	13.2	4.0
Rental payments during year mil dol	78.2	4.7	52.2	(D)	1.9	.8	3.5	351.7	18.6
Buildings and other structures, except land mil dol	17.1	.8	3.0	(D)	.2	.3	.3	98.8	2.6
Machinery and equipment mil dol	61.1	3.8	49.2	(D)	1.7	.6	3.2	252.9	16.0
Lease rents mil dol . . . . .	.9	.4	7.0	(D)	.5	(D)	2.3	2.1	.3
Expensed mineral exploration, development, land, and rights ¹ mil dol	544.1	1.1	76.7	(D)	2.9	4.7	7.3	2 454.7	147.5
Mineral exploration and development mil dol	(D)	(D)	23.9	(D)	2.5	(D)	(D)	2 445.3	(D)
Mineral land and rights mil dol	(D)	(D)	52.7	(D)	.4	(D)	(D)	9.3	(D)

See footnotes at end of table.

Table 2-2. Summary Statistics for States and Offshore Areas: 1992—Con.

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

Item	Vermont	Virginia	Washington	West Virginia	Wisconsin	Wyoming	Offshore areas
Establishments during year	60	577	194	1 163	167	718	55
With 0 to 19 employees	50	349	163	823	139	587	36
With 20 to 99 employees	8	208	26	265	24	97	8
With 100 employees or more	2	20	5	75	4	34	11
All employees:							
Average for year .....	.7	15.9	3.2	33.0	2.3	16.0	5.5
Payroll for year	20.5	546.5	112.5	1 330.8	79.2	643.5	229.2
Production, development, and exploration workers:							
Average for year .....	.5	12.7	2.4	27.4	1.6	12.5	4.7
March .....	.5	13.1	2.4	27.3	1.4	12.3	5.1
May .....	.5	13.3	2.5	27.5	1.7	12.5	4.7
August .....	.5	12.4	2.5	27.6	1.8	12.7	4.3
November .....	.5	11.9	2.3	27.4	1.6	12.5	4.6
Hours	1.0	25.8	5.1	58.6	3.7	25.5	10.0
Wages	13.5	414.2	83.1	1 097.1	54.6	483.9	182.0
Supplemental labor costs not included in payroll	4.8	183.9	32.6	587.5	20.7	169.4	64.8
Legally required expenditures, including Social Security contributions	1.9	75.0	12.7	256.4	9.5	70.8	32.0
Payments for voluntary programs	3.0	108.9	19.8	331.1	11.2	98.7	32.7
Value added by mining	77.7	1 601.8	310.5	4 212.4	251.2	5 965.6	2 663.0
Cost of supplies	43.8	1 439.3	144.6	3 163.1	122.5	3 063.5	473.7
Supplies used, minerals received, and purchased machinery installed	30.5	1 070.2	95.9	2 233.7	84.5	2 504.9	298.2
Resales	(D)	35.2	4.2	67.5	4.0	36.4	.1
Purchased fuels consumed	2.7	42.6	14.3	99.7	16.1	125.0	21.3
Purchased electric energy:							
Quantity	111.9	1 481.0	330.3	2 900.0	174.9	4 187.2	50.8
Cost	7.8	64.4	11.1	122.0	8.2	156.9	2.4
Electric energy generated less sold	(D)	(D)	(D)	(D)	.5	300.8	(Z)
Contract work	(D)	226.9	19.0	640.2	9.7	240.2	151.6
Cost of purchased communication services	(D)	1.9	.7	4.5	.5	6.4	7.6
Value of shipments and receipts	110.8	2 890.9	420.2	6 854.9	322.7	8 424.1	2 666.6
Value of resales	(D)	49.0	5.7	80.4	4.9	61.0	.1
Inventories, end of 1991	12.3	180.3	30.4	334.3	34.1	252.6	95.0
Mined or quarried products	8.8	130.2	14.0	204.9	27.0	110.1	(D)
Supplies, parts, fuels, etc.	3.4	50.1	16.4	129.3	7.1	142.5	(D)
Inventories, end of 1992	13.2	166.1	34.1	358.0	34.8	252.4	97.3
Mined or quarried products	9.6	119.0	16.6	221.1	28.0	109.0	(D)
Supplies, parts, fuels, etc.	3.6	47.0	17.6	136.9	6.8	143.4	(D)
Capital expenditures during year (except land and mineral rights)	10.8	150.2	35.0	520.6	51.0	605.0	470.0
New capital expenditures during year	10.3	108.5	17.8	332.1	33.4	224.4	143.8
Buildings and other structures, except land .....	.4	8.0	1.3	20.5	2.8	22.5	(D)
Machinery and equipment	9.9	100.5	16.5	311.5	30.6	201.9	(D)
Used capital expenditures during year .....	.5	16.7	4.8	109.6	(D)	28.4	18.2
Buildings and other structures, except land	(D)	.2	.1	(D)	.8	.5	.5
Machinery and equipment	(D)	16.5	4.7	(D)	(D)	27.9	17.7
Mineral exploration and development ¹	(Z)	25.0	12.3	78.9	(D)	352.2	308.0
Capitalized mineral land and rights ² .....	.1	2.0	3.5	72.5	1.6	(D)	—
Deductions from depreciable assets during year ³	3.5	146.4	15.0	431.5	39.5	139.1	137.1
Buildings and other structures, except land ⁴	(Z)	5.4	(D)	29.5	2.4	22.0	4.4
Machinery and equipment ⁴	3.3	125.5	12.7	348.5	34.4	116.5	132.6
Mineral exploration and development ²	(Z)	3.1	(D)	18.2	.3	.1	—
Mineral land and rights ² .....	.1	12.3	1.7	35.4	2.3	.6	—
Gross book value of depreciable assets at end of year ³	195.6	2 363.9	572.7	4 972.5	319.7	5 756.6	1 156.8
Buildings and other structures, except land ⁴	(D)	217.1	75.2	792.6	29.7	955.9	58.6
Machinery and equipment ⁴	(D)	1 734.4	337.7	3 150.0	238.7	3 971.1	1 098.2
Mineral exploration and development ²	(D)	184.1	117.4	439.5	(D)	462.1	—
Mineral land and rights ²	(D)	228.3	42.5	590.4	(D)	367.4	—
Depreciation and depletion charges for year ³	18.5	170.6	79.2	360.9	25.0	258.4	82.7
Buildings and other structures, except land ⁴	(D)	17.9	15.2	40.7	1.8	29.9	3.1
Machinery and equipment ⁴	(D)	132.0	31.1	276.9	19.6	201.2	79.6
Mineral exploration and development ²	(D)	12.3	(D)	22.7	(D)	16.8	—
Mineral land and rights ² .....	.4	8.3	(D)	20.6	(D)	10.6	—
Rental payments during year .....	.5	40.6	7.3	146.2	4.4	38.1	40.2
Buildings and other structures, except land	(Z)	2.4	.9	12.3	.6	10.4	23.0
Machinery and equipment .....	.5	38.1	6.4	133.8	3.9	27.7	17.2
Lease rents	(D)	8.8	.6	42.9	1.4	.5	—
Expensed mineral exploration, development, land, and rights ¹	(D)	113.8	15.9	131.3	6.5	434.5	561.0
Mineral exploration and development	—	83.0	11.2	48.1	(D)	349.8	561.0
Mineral land and rights	(D)	30.7	4.7	83.2	(D)	84.7	—

¹Excludes data for mining service industries and natural gas liquids industry.

²Excludes data for mining service industries and oil and gas extraction industries.

³Excludes data for crude petroleum and natural gas industry. Data for mineral exploration and development and mineral land and rights portions are excluded for mining service industries and natural gas liquids industry.

⁴Excludes data for crude petroleum and natural gas industry.

Table 2-3. Number of Mineral Establishments by Employment-Size Class for States and Offshore Areas: 1992

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

Geographic area	Estab- lishments during year	Establishments during year with an average employment-size class of—										Estab- lishments during year covered by admin- istrative records
		0 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999	1,000 to 2,499	2,500 or more	
United States	30 787	15 936	5 090	4 161	3 334	1 140	724	249	107	42	4	12 000
Alabama	395	170	57	66	57	22	15	4	4	—	—	79
Alaska	195	93	18	27	22	12	12	6	2	3	—	39
Arizona	252	134	32	29	23	16	5	5	5	3	—	93
Arkansas	360	211	58	50	33	3	5	—	—	—	—	150
California	1 232	554	198	179	178	60	36	17	8	2	—	356
Colorado	1 132	707	148	106	94	41	28	5	3	—	—	468
Connecticut	82	31	17	15	11	7	1	—	—	—	—	16
Delaware and District of Columbia	23	13	4	4	2	—	—	—	—	—	—	4
Florida	293	147	52	33	31	11	14	2	2	1	—	112
Georgia	215	52	35	43	54	16	10	3	1	1	—	41
Hawaii	7	1	—	2	2	2	—	—	—	—	—	—
Idaho	136	64	22	22	12	8	8	—	—	—	—	47
Illinois	858	447	154	116	78	22	25	14	2	—	—	394
Indiana	426	174	82	88	57	9	12	4	—	—	—	113
Iowa	187	73	54	35	20	5	—	—	—	—	—	20
Kansas	1 207	746	221	121	88	24	6	—	—	1	—	602
Kentucky	1 140	410	150	220	223	82	37	14	4	—	—	356
Louisiana	1 784	863	279	240	213	85	71	21	9	3	—	598
Maine	22	18	2	2	—	—	—	—	—	—	—	17
Maryland	115	39	21	15	29	9	1	1	—	—	—	30
Massachusetts	84	41	19	13	8	2	—	1	—	—	—	25
Michigan	531	289	98	64	54	15	7	1	2	1	—	221
Minnesota	154	75	26	29	15	1	1	2	3	2	—	61
Mississippi	449	252	79	59	45	11	3	—	—	—	—	168
Missouri	342	163	56	71	30	10	11	1	—	—	—	114
Montana	367	229	51	41	24	11	5	6	—	—	—	133
Nebraska	194	115	43	21	11	4	—	—	—	—	—	71
Nevada	306	149	48	41	25	13	20	5	3	2	—	90
New Hampshire	41	20	9	9	2	1	—	—	—	—	—	16
New Jersey	114	39	17	22	26	7	3	—	—	—	—	19
New Mexico	737	371	112	103	94	26	22	7	2	—	—	234
New York	445	220	91	72	37	11	11	1	1	1	—	136
North Carolina	212	64	36	42	58	6	5	—	1	—	—	51
North Dakota	274	152	48	36	20	10	6	1	1	—	—	78
Ohio	1 022	482	218	165	99	41	11	3	2	1	—	409
Oklahoma	2 742	1 711	450	269	186	66	37	14	4	3	2	1 459
Oregon	157	75	26	32	22	1	1	—	—	—	—	59
Pennsylvania	1 219	539	221	193	170	46	36	13	1	—	—	477
Rhode Island	18	8	4	4	2	—	—	—	—	—	—	9
South Carolina	86	19	18	21	22	5	1	—	—	—	—	10
South Dakota	72	41	9	6	11	2	2	—	—	1	—	16
Tennessee	291	107	50	59	57	12	5	1	—	—	—	79
Texas	7 544	4 436	1 251	810	581	219	142	57	30	16	2	3 513
Utah	391	205	58	54	41	17	12	1	3	—	—	123
Vermont	60	38	8	4	7	1	2	—	—	—	—	30
Virginia	577	140	71	138	150	58	12	7	1	—	—	122
Washington	194	93	32	38	18	8	4	—	—	—	—	74
West Virginia	1 163	463	159	201	202	63	50	20	5	—	—	406
Wisconsin	167	62	38	39	20	4	4	—	—	—	—	43
Wyoming	718	366	134	87	64	33	22	8	4	—	—	218
Offshore areas ¹	55	25	6	5	6	2	3	4	3	1	—	1

¹Represents offshore areas not associated with a State.

Table 2-4. Employment at Auxiliaries and Related Facilities for Selected States: 1992 and 1987

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

Geographic area	1992		1987	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
United States	103.5	5 642.3	115.9	4 856.8
Alabama	1.1	51.3	(D)	(D)
Alaska	(D)	(D)	(D)	(D)
Arizona .....	.7	45.7	.7	29.8
Arkansas	(Z)	.6	.3	12.0
California	7.8	423.8	10.6	390.4
Colorado	(D)	(D)	7.4	329.8
Connecticut .....	.7	45.4	.8	31.1
Delaware and District of Columbia	(D)	(D)	(D)	(D)
Florida .....	.4	20.4	.2	7.3
Georgia .....	.3	9.3	.4	14.0
Idaho .....	.3	23.0	(D)	(D)
Illinois	1.7	82.4	2.1	78.4
Indiana .....	.5	26.7	(D)	(D)
Iowa .....	.2	7.5	.3	11.6
Kansas	(D)	(D)	1.5	54.1
Kentucky	(D)	(D)	3.5	121.2
Louisiana	5.4	287.6	7.5	336.0
Maine	—	—	(D)	(D)
Maryland .....	.1	2.1	(D)	(D)
Massachusetts	(D)	(D)	(D)	(D)

Table 2-4. Employment at Auxiliaries and Related Facilities for Selected States: 1992 and 1987
— Con.

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

Geographic area	1992		1987	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
United States—Con.				
Michigan	(D)	(D)	(D)	(D)
Minnesota	(D)	(D)	.3	12.9
Mississippi	(D)	(D)	(D)	(D)
Missouri	(D)	(D)	.7	30.9
Montana .....	.2	11.8	(D)	(D)
Nebraska .....	.1	4.2	.3	8.4
Nevada .....	.1	9.8	.1	5.2
New Hampshire	—	—	(D)	(D)
New Jersey .....	.5	26.1	(D)	(D)
New Mexico .....	.4	17.7	(D)	(D)
New York	2.6	161.5	(D)	(D)
North Carolina .....	.5	21.6	.5	16.3
North Dakota .....	.2	7.2	(D)	(D)
Ohio	(D)	(D)	(D)	(D)
Oklahoma	16.0	774.6	16.6	649.9
Oregon	(D)	(D)	(D)	(D)
Pennsylvania	2.8	139.5	4.0	124.5
South Carolina .....	.1	1.9	(D)	(D)
South Dakota	(D)	(D)	(D)	(D)
Tennessee .....	.4	13.4	.8	24.0
Texas	43.9	2 458.0	40.8	1 829.9
Utah	(D)	(D)	(D)	(D)
Vermont	(D)	(D)	(D)	(D)
Virginia	(D)	(D)	1.4	47.5
Washington	(D)	(D)	(D)	(D)
West Virginia	1.5	73.7	1.2	43.8
Wisconsin .....	.1	3.7	.1	1.5
Wyoming .....	.4	20.4	(D)	(D)

Note: Figures in this table represent auxiliary establishments at different locations from establishments managed or served or at same location as one of these establishments but not operated as an integral part of it.

Table 2-5. Selected Statistics by Type of Operation for States and Offshore Areas: 1992

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

Geographic area and item	All types of operations	Producing establishments										Non- pro- ducing estab- lish- ments	
		Mines only					Mines with preparation plants				Sepa- rately operated prepara- tion plants		Undistri- buted ¹
		Total	Under- ground mines	Open pit mines	Combina- tion methods, well operations, and other methods	Total	Under- ground mines	Open pit mines	Combina- tion and other methods				
UNITED STATES													
Establishments	30 787	30 272	10 950	810	1 383	8 757	4 174	373	3 622	179	688	14 460	515
Employees	638.2	634.3	152.5	26.0	21.7	104.9	194.4	57.3	124.7	12.5	(D)	(D)	3.9
Value added in mining	113 621.3	113 535.3	71 513.4	2 548.2	2 234.1	66 731.1	26 073.4	7 903.3	16 675.8	1 494.3	(D)	(D)	86.0
ALABAMA													
Establishments	395	384	100	3	42	55	86	9	75	2	8	190	11
Employees	10.8	(D)	2.1	(D)	(D)	.8	(D)	3.4	2.3	(D)	.2	2.8	(D)
Value added in mining	1 525.7	(D)	641.2	(D)	(D)	502.1	(D)	439.2	290.5	(D)	36.2	118.6	(D)
ALASKA													
Establishments	195	176	19	—	1	18	16	2	13	—	—	141	19
Employees	10.5	(D)	(D)	—	(D)	(D)	1.0	(D)	(D)	(D)	—	6.5	(D)
Value added in mining	8 522.0	(D)	(D)	—	(D)	(D)	171.8	(D)	(D)	(D)	—	412.1	(D)
ARIZONA													
Establishments	252	239	39	4	10	25	67	3	60	4	2	131	13
Employees	13.7	(D)	.2	(D)	(D)	.1	11.3	(D)	(D)	(D)	(D)	2.1	(D)
Value added in mining	1 821.9	(D)	13.3	(D)	(D)	6.8	1 713.5	(D)	(D)	(D)	(D)	99.0	(D)
ARKANSAS													
Establishments	360	352	139	1	7	131	53	—	49	4	2	158	8
Employees	3.3	(D)	.9	(D)	(D)	.8	1.1	—	1.0	.1	(D)	1.3	(D)
Value added in mining	461.4	(D)	288.4	(D)	(D)	278.0	99.8	—	96.4	3.3	(D)	73.8	(D)
CALIFORNIA													
Establishments	1 232	1 214	306	1	33	272	218	2	208	8	33	657	18
Employees	34.5	34.4	8.1	(D)	(D)	7.9	7.0	(D)	(D)	(D)	.6	18.7	.1
Value added in mining	6 038.8	6 038.4	4 100.1	(D)	(D)	4 086.2	1 188.3	(D)	(D)	(D)	42.2	707.8	.3
COLORADO													
Establishments	1 132	1 089	400	19	12	369	75	15	58	2	19	595	43
Employees	17.1	16.6	4.3	(D)	(D)	4.0	3.4	1.8	(D)	(D)	(D)	(D)	.4
Value added in mining	2 407.9	2 431.1	1 569.3	(D)	(D)	1 530.5	471.6	256.3	(D)	(D)	(D)	(D)	-23.3

See footnotes at end of table.

Table 2-5. **Selected Statistics by Type of Operation for States and Offshore Areas: 1992—**
Con.

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

Geographic area and item	All types of operations	Producing establishments										Non-producing establishments	
		Mines only					Mines with preparation plants						
		Total	Underground mines	Open pit mines	Combination methods, well operations, and other methods	Total	Underground mines	Open pit mines	Combination and other methods	Separately operated preparation plants	Undistributed ¹		
CONNECTICUT													
Establishments number..	82	82	8	—	8	—	27	—	27	—	—	47	—
Employees 1,000..	1.4	1.4	.1	—	.1	—	4	—	4	—	—	.9	—
Value added in mining mil dol..	79.7	79.7	6.0	—	6.0	—	53.6	—	53.6	—	—	20.0	—
DELAWARE AND DISTRICT OF COLUMBIA													
Establishments number..	23	23	1	—	1	—	4	—	4	—	—	18	—
Employees 1,000..	.2	.2	(D)	—	(D)	—	(D)	—	(D)	—	—	(D)	—
Value added in mining mil dol..	7.3	7.3	(D)	—	(D)	—	(D)	—	(D)	—	—	(D)	—
FLORIDA													
Establishments number..	293	285	42	—	12	30	106	—	103	3	4	133	8
Employees 1,000..	8.3	8.2	.4	—	(D)	(D)	6.5	—	(D)	(D)	.2	1.1	(Z)
Value added in mining mil dol..	979.9	979.9	100.3	—	(D)	(D)	811.7	—	(D)	(D)	21.2	46.8	—
GEORGIA													
Establishments number..	215	211	37	—	31	6	117	2	112	3	1	56	4
Employees 1,000..	8.2	8.2	(D)	—	(D)	(D)	(D)	(D)	5.0	(D)	(D)	1.0	(Z)
Value added in mining mil dol..	804.9	804.9	(D)	—	(D)	(D)	(D)	(D)	585.1	(D)	(D)	41.2	—
HAWAII													
Establishments number..	7	7	—	—	—	—	5	—	5	—	—	2	—
Employees 1,000..	.2	.2	—	—	—	—	(D)	—	(D)	—	—	(D)	—
Value added in mining mil dol..	27.3	27.3	—	—	—	—	(D)	—	(D)	—	—	(D)	—
IDAHO													
Establishments number..	136	122	15	7	8	—	39	3	36	—	1	67	14
Employees 1,000..	2.8	2.7	(D)	(Z)	(D)	—	1.8	.5	1.3	—	(D)	.7	.1
Value added in mining mil dol..	203.1	205.1	(D)	.7	(D)	—	161.1	15.8	145.3	—	(D)	32.2	-2.0
ILLINOIS													
Establishments number..	858	841	295	9	12	274	202	20	173	9	7	337	17
Employees 1,000..	17.5	(D)	(D)	1.5	(D)	(D)	10.2	5.9	4.2	.1	(D)	3.3	(D)
Value added in mining mil dol..	1 999.9	(D)	(D)	162.1	(D)	(D)	1 357.6	802.5	545.9	9.2	(D)	106.9	(D)
INDIANA													
Establishments number..	426	421	136	—	49	87	149	4	135	10	4	132	5
Employees 1,000..	7.1	(D)	1.2	—	(D)	(D)	4.7	(D)	4.1	(D)	(D)	1.2	(D)
Value added in mining mil dol..	825.6	(D)	144.5	—	(D)	(D)	638.1	(D)	556.0	(D)	(D)	43.7	(D)
IOWA													
Establishments number..	187	181	7	—	7	—	137	7	127	3	3	34	6
Employees 1,000..	2.0	2.0	(D)	—	(D)	—	1.6	(D)	1.4	(D)	(D)	.4	(Z)
Value added in mining mil dol..	153.4	153.4	(D)	—	(D)	—	142.1	(D)	124.6	(D)	(D)	7.6	(Z)
KANSAS													
Establishments number..	1 207	1 197	541	—	15	526	74	6	64	4	15	567	10
Employees 1,000..	10.9	(D)	3.7	—	.1	3.7	1.1	(D)	.9	(D)	(D)	5.6	(D)
Value added in mining mil dol..	2 290.0	(D)	1 762.1	—	8.1	1 754.1	75.1	(D)	63.4	(D)	(D)	200.1	(D)
KENTUCKY													
Establishments number..	1 140	1 119	656	253	261	142	186	73	103	10	27	250	21
Employees 1,000..	30.6	(D)	12.9	7.6	4.4	.9	13.9	7.8	5.3	.7	.9	(D)	(D)
Value added in mining mil dol..	3 687.8	(D)	1 421.2	660.6	510.4	250.2	1 968.4	1 138.0	732.8	97.5	162.7	(D)	(D)
LOUISIANA													
Establishments number..	1 784	1 764	539	1	5	533	27	2	22	3	56	1 142	20
Employees 1,000..	48.1	(D)	16.6	(D)	(Z)	(D)	1.2	(D)	.5	(D)	(D)	29.1	(D)
Value added in mining mil dol..	14 834.6	(D)	12 373.5	(D)	2.2	(D)	135.3	(D)	73.4	(D)	(D)	1 524.0	(D)
MAINE													
Establishments number..	22	22	1	—	1	—	3	—	3	—	—	18	—
Employees 1,000..	.1	.1	(D)	—	(D)	—	(D)	—	(D)	—	—	.1	—
Value added in mining mil dol..	5.0	5.0	(D)	—	(D)	—	(D)	—	(D)	—	—	3.4	—
MARYLAND													
Establishments number..	115	114	33	1	28	4	46	1	42	3	4	31	1
Employees 1,000..	2.5	(D)	.3	(D)	.2	(D)	1.7	(D)	1.1	(D)	(D)	.3	(D)
Value added in mining mil dol..	201.3	(D)	26.3	(D)	23.1	(D)	149.8	(D)	102.8	(D)	(D)	20.8	(D)
MASSACHUSETTS													
Establishments number..	84	84	3	—	3	—	41	—	40	1	2	38	—
Employees 1,000..	1.2	1.2	(D)	—	(D)	—	.5	—	(D)	(D)	(D)	.6	—
Value added in mining mil dol..	69.7	69.7	(D)	—	(D)	—	42.3	—	(D)	(D)	(D)	26.0	—
MICHIGAN													
Establishments number..	531	525	134	—	12	122	87	1	85	1	11	293	6
Employees 1,000..	8.7	(D)	1.2	—	(Z)	1.2	4.6	(D)	(D)	(D)	(D)	(D)	(D)
Value added in mining mil dol..	1 675.9	(D)	931.4	—	3.8	927.7	537.6	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

Table 2-5. **Selected Statistics by Type of Operation for States and Offshore Areas: 1992—**
Con.

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

Geographic area and item	All types of operations	Producing establishments											Non-producing establishments	
		Mines only					Mines with preparation plants					Separately operated preparation plants		Undistributed ¹
		Total	Underground mines	Open pit mines	Combination methods, well operations, and other methods	Total	Underground mines	Open pit mines	Combination and other methods					
MINNESOTA														
Establishments number..	154	153	22	—	10	12	54	—	53	1	1	76	1	
Employees 1,000..	7.4	7.4	.2	—	(D)	(D)	6.6	—	(D)	(D)	(D)	(D)	(Z)	
Value added in mining mil dol..	748.5	748.5	25.1	—	(D)	(D)	675.1	—	(D)	(D)	(D)	(D)	(Z)	
MISSISSIPPI														
Establishments number..	449	436	141	—	4	137	27	—	26	1	3	265	13	
Employees 1,000..	4.3	4.3	1.0	—	(D)	(D)	(D)	—	.6	(D)	(D)	2.6	(Z)	
Value added in mining mil dol..	643.6	639.6	455.0	—	(D)	(D)	(D)	—	54.5	(D)	(D)	123.8	4.0	
MISSOURI														
Establishments number..	342	333	51	—	29	22	197	11	172	14	1	84	9	
Employees 1,000..	5.3	(D)	.4	—	.3	.1	3.9	.9	2.4	.6	(D)	(D)	(D)	
Value added in mining mil dol..	470.5	(D)	59.9	—	46.8	13.2	396.0	106.5	206.4	83.1	(D)	(D)	(D)	
MONTANA														
Establishments number..	367	358	119	4	4	111	35	5	30	—	3	201	9	
Employees 1,000..	5.4	(D)	.7	(Z)	.1	.6	3.4	.9	2.5	—	(D)	1.4	(D)	
Value added in mining mil dol..	1 100.0	(D)	298.0	1.7	1.5	294.8	721.8	68.1	653.7	—	(D)	80.4	(D)	
NEBRASKA														
Establishments number..	194	188	41	1	3	37	33	1	27	5	1	113	6	
Employees 1,000..	1.3	1.3	(D)	(D)	(D)	.2	(D)	(D)	(D)	(D)	(D)	.6	—	
Value added in mining mil dol..	136.8	136.8	(D)	(D)	(D)	62.0	(D)	(D)	(D)	(D)	(D)	21.4	(Z)	
NEVADA														
Establishments number..	306	271	26	3	6	17	73	5	61	7	2	170	35	
Employees 1,000..	12.3	11.9	(D)	(D)	(Z)	(Z)	10.0	.2	8.9	1.0	(D)	1.7	.4	
Value added in mining mil dol..	1 968.3	1 961.0	(D)	(D)	2.6	53.3	1 757.3	1.8	1 563.5	192.0	(D)	146.9	7.3	
NEW HAMPSHIRE														
Establishments number..	41	41	3	—	3	—	14	—	14	—	3	21	—	
Employees 1,000..	.3	.3	(D)	—	(D)	—	.2	—	.2	—	(D)	.1	—	
Value added in mining mil dol..	25.3	25.3	(D)	—	(D)	—	14.8	—	14.8	—	(D)	8.8	—	
NEW JERSEY														
Establishments number..	114	114	5	—	5	—	62	—	59	3	—	47	—	
Employees 1,000..	2.5	2.5	(D)	—	(D)	—	(D)	—	1.5	(D)	—	.8	—	
Value added in mining mil dol..	199.1	199.1	(D)	—	(D)	—	(D)	—	159.7	(D)	—	29.7	—	
NEW MEXICO														
Establishments number..	737	730	248	11	5	232	36	6	29	1	29	417	7	
Employees 1,000..	14.6	(D)	2.7	.1	(Z)	2.6	4.5	(D)	2.7	(D)	(D)	6.1	(D)	
Value added in mining mil dol..	3 955.1	(D)	2 284.4	11.4	.5	2 272.5	932.1	(D)	748.6	(D)	(D)	335.9	(D)	
NEW YORK														
Establishments number..	445	442	98	—	18	80	148	4	144	—	—	196	3	
Employees 1,000..	7.5	7.5	.5	—	.2	.3	3.2	.6	2.7	—	—	3.7	(Z)	
Value added in mining mil dol..	476.6	476.6	79.5	—	11.1	68.4	320.3	89.9	230.4	—	—	76.9	—	
NORTH CAROLINA														
Establishments number..	212	208	11	—	10	1	116	—	116	—	—	81	4	
Employees 1,000..	4.3	4.3	.1	—	(D)	(D)	3.3	—	3.3	—	—	1.0	(Z)	
Value added in mining mil dol..	322.2	322.2	4.0	—	(D)	(D)	288.0	—	288.0	—	—	30.2	(Z)	
NORTH DAKOTA														
Establishments number..	274	272	82	—	4	78	14	—	14	—	6	170	2	
Employees 1,000..	4.1	(D)	(D)	—	(D)	1.2	.9	—	.9	—	(D)	1.7	(D)	
Value added in mining mil dol..	859.9	(D)	(D)	—	(D)	538.7	164.1	—	164.1	—	(D)	110.9	(D)	
OHIO														
Establishments number..	1 022	1 013	383	8	82	293	210	8	194	8	5	415	9	
Employees 1,000..	15.0	(D)	4.0	.3	1.3	2.4	6.6	2.3	3.9	.4	.1	(D)	(D)	
Value added in mining mil dol..	1 453.9	(D)	569.3	38.9	95.6	434.7	681.8	271.3	363.4	47.1	17.4	(D)	(D)	
OKLAHOMA														
Establishments number..	2 742	2 726	1 246	2	24	1 220	66	—	60	6	75	1 339	16	
Employees 1,000..	44.5	(D)	11.9	—	.2	11.7	(D)	—	(D)	(Z)	1.2	30.0	(D)	
Value added in mining mil dol..	6 406.9	(D)	5 070.6	(Z)	15.5	5 055.1	(D)	—	(D)	1.5	400.5	833.5	(D)	
OREGON														
Establishments number..	157	152	8	—	5	3	76	1	74	1	—	68	5	
Employees 1,000..	1.7	1.7	.1	—	(D)	(D)	.9	(D)	(D)	(D)	—	.7	(Z)	
Value added in mining mil dol..	105.3	105.4	8.4	—	(D)	(D)	68.6	(D)	(D)	(D)	—	28.4	(Z)	
PENNSYLVANIA														
Establishments number..	1 219	1 204	485	54	266	165	292	34	237	21	22	405	15	
Employees 1,000..	24.9	24.5	6.2	2.5	2.3	1.4	12.3	5.2	6.1	1.1	.4	5.5	.4	
Value added in mining mil dol..	2 344.7	2 347.7	832.1	317.4	224.7	289.9	1 275.9	709.9	470.2	95.8	39.1	200.8	-3.0	
RHODE ISLAND														
Establishments number..	18	18	—	—	—	—	12	—	12	—	—	6	—	
Employees 1,000..	.1	.1	—	—	—	—	.1	—	.1	—	—	(Z)	—	
Value added in mining mil dol..	12.1	12.1	—	—	—	—	11.4	—	11.4	—	—	.7	—	

See footnotes at end of table.

Table 2-5. Selected Statistics by Type of Operation for States and Offshore Areas: 1992—
Con.

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

Geographic area and item	All types of operations	Producing establishments										Non-producing establishments	
		Total	Mines only				Mines with preparation plants				Separately operated preparation plants		Undistributed ¹
			Total	Underground mines	Open pit mines	Combination methods, well operations, and other methods	Total	Underground mines	Open pit mines	Combination and other methods			
SOUTH CAROLINA													
Establishments number..	86	85	3	—	3	—	56	—	54	2	—	26	1
Employees 1,000..	1.6	(D)	(Z)	—	(Z)	—	(D)	—	(D)	(D)	—	.2	(D)
Value added in mining mil dol..	177.5	(D)	1.0	—	1.0	—	(D)	—	(D)	(D)	—	8.8	(D)
SOUTH DAKOTA													
Establishments number..	72	66	12	—	2	10	20	—	19	1	—	34	6
Employees 1,000..	2.3	2.3	.1	—	(D)	(D)	1.8	—	(D)	(D)	—	.3	(Z)
Value added in mining mil dol..	213.1	213.2	39.7	—	(D)	(D)	148.8	—	(D)	(D)	—	24.6	(Z)
TENNESSEE													
Establishments number..	291	286	64	27	21	16	130	11	111	8	2	90	5
Employees 1,000..	4.6	(D)	(D)	.6	.2	(D)	3.0	.8	2.0	.2	(D)	.7	(D)
Value added in mining mil dol..	348.3	(D)	(D)	39.1	17.0	(D)	260.5	64.6	182.6	13.2	(D)	26.3	(D)
TEXAS													
Establishments number..	7 544	7 484	3 204	8	39	3 157	153	3	141	9	250	3 877	60
Employees 1,000..	149.9	149.6	36.8	(D)	(D)	36.0	7.1	(D)	6.2	(D)	5.0	100.6	.3
Value added in mining mil dol..	26 192.6	26 194.2	20 347.1	(D)	(D)	20 240.6	602.6	(D)	550.7	(D)	1 971.2	3 273.2	-1.6
UTAH													
Establishments number..	391	373	80	8	3	69	46	12	30	4	11	236	18
Employees 1,000..	8.1	(D)	1.1	(D)	(D)	.7	4.0	2.0	1.8	.2	.7	(D)	(D)
Value added in mining mil dol..	1 755.4	(D)	752.8	(D)	(D)	721.9	570.7	362.7	173.6	34.4	272.5	(D)	(D)
VERMONT													
Establishments number..	60	60	11	—	11	—	22	—	22	—	—	27	—
Employees 1,000..	.7	.7	(D)	—	(D)	—	(D)	—	(D)	—	—	.2	—
Value added in mining mil dol..	77.7	77.7	(D)	—	(D)	—	(D)	—	(D)	—	—	9.3	—
VIRGINIA													
Establishments number..	577	568	288	186	77	25	132	23	107	2	16	132	9
Employees 1,000..	15.9	(D)	6.8	5.1	1.4	.2	6.5	3.5	(D)	(D)	.9	(D)	(D)
Value added in mining mil dol..	1 601.8	(D)	703.2	475.1	143.3	84.8	695.7	434.5	(D)	(D)	153.4	(D)	(D)
WASHINGTON													
Establishments number..	194	188	16	4	6	6	75	2	71	2	1	96	6
Employees 1,000..	3.2	3.1	(Z)	(D)	(Z)	(D)	2.4	(D)	1.8	(D)	(D)	(D)	(Z)
Value added in mining mil dol..	310.5	309.5	3.7	(D)	2.6	(D)	256.0	(D)	189.3	(D)	(D)	(D)	1.0
WEST VIRGINIA													
Establishments number..	1 163	1 137	642	187	165	290	161	88	63	10	29	305	26
Employees 1,000..	33.0	32.8	12.1	6.4	3.6	2.1	15.6	12.4	2.6	.6	.8	4.3	.2
Value added in mining mil dol..	4 212.4	4 216.5	1 424.0	689.7	414.4	319.9	2 481.2	1 940.6	415.6	125.0	133.4	177.9	-4.1
WISCONSIN													
Establishments number..	167	165	14	—	14	—	95	1	93	1	3	53	2
Employees 1,000..	2.3	(D)	(D)	—	(D)	—	(D)	(D)	(D)	(D)	(D)	.4	(D)
Value added in mining mil dol..	251.2	(D)	(D)	—	(D)	—	(D)	(D)	(D)	(D)	(D)	31.9	(D)
WYOMING													
Establishments number..	718	705	186	8	6	172	54	8	45	1	26	439	13
Employees 1,000..	16.0	16.0	2.8	(D)	(D)	2.3	7.5	(D)	4.8	(D)	.5	5.2	.1
Value added in mining mil dol..	5 965.6	5 960.5	3 668.8	(D)	(D)	3 629.5	1 895.6	(D)	1 303.0	(D)	104.3	291.8	5.2
OFFSHORE AREAS²													
Establishments number..	55	44	10	—	—	10	—	—	—	—	—	34	11
Employees 1,000..	5.5	(D)	(D)	—	—	(D)	—	—	—	—	—	3.9	(D)
Value added in mining mil dol..	2 663.0	(D)	(D)	—	—	(D)	—	—	—	—	—	421.6	(D)

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

²Represents offshore areas not associated with a State.

Appendix A.

Explanation of Terms

Employment and related items. The report forms requested separate information on production, development, and exploration workers for a specific payroll period within each quarter of the year and on other employees as of the payroll period which included the 12th of March.

All employees. This item includes all full-time and part-time employees on the payrolls of mining establishments during any part of the pay period which included the 12th of the months specified on the report form. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Also included are employees working for miners paid on a per ton, car, or yard basis. Excluded are employees at the mine but on the payroll of another employer (such as employees of contractors) and employees at company stores, boardinghouses, bunkhouses, and recreational centers. Also excluded are members of the Armed Forces and pensioners carried on the active rolls but not working during the period. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded.

Production, development, and exploration workers. This item includes employees (up through the working-supervisor level) engaged in manual work (using tools, operating machines, hauling materials, loading and hauling products out of the mine in mine cars or trucks, 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 (such as power plant), recordkeeping, and other services closely associated with these production and development 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. In addition, other employees at the establishment but not on its payroll are included if paid directly through its own employees, such as superintendents and supervisors. The payments received by these types of employees are included as part of the establishments payroll. Employees above the working-supervisor level are excluded from this category.

All other employees. This item covers nonproduction employees of the 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 and medical), professional (such as engineers and geologists), and technical activities. Also included are employees on the payroll of the establishment engaged in the construction of major additions or alterations to the plant and 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.)

Separately operated auxiliary establishments employees. This item includes employment at separate central administrative offices or auxiliary units of multiestablishment companies and at those offices or units servicing more than one establishment during the payroll period which included March 12. Establishments are classified on the basis of the industry or principal industry served. Employees at an office located at or near the mining establishment are usually included in the mine report.

All employees, average for year. The 1992 census report form requested employment figures for production, development, and exploration workers for four selected pay periods (mid-March, May, August, and November). For all other employees, only a mid-March figure was requested. The annual average is an average of the four monthly figures for production, development, and exploration workers plus the March figure for all other employees. This approach was used to simplify the schedule format and lighten the reporting burden of respondents, since it was found that the average of these selected pay periods closely approximates, for most industries, the average employment for the year that would be obtained from 12 monthly pay periods.

Payroll. This item includes the gross earnings of all employees on the payroll of mining establishments paid in the calendar year 1992. It includes all forms of compensation such as salaries, wages, commissions, payments received on a ton, car, or yard basis, dismissal pay, bonuses, vacation and sick leave pay, employee contributions to pension plans (such as 401(K) plan), 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, and payments to members of Armed Forces and pensioners carried on the active payroll of mining establishments. Also excluded are royalty payments to unions and costs of smithing, explosives, fuses, electric cap lamps, and mine supplies used in production, development, and exploration work but charged to employees and deducted from their wages.

As in the case of employment and establishment figures, the annual payrolls of separate auxiliary establishments of multiestablishment companies are included in the totals for individual industries and for States.

Production-, development-, and exploration-worker hours.

This item represents all hours that production, development, and exploration workers worked, both on active days during which there was production or development work and on inactive days when only security guards, inspectors, repair persons, and other maintenance persons were on duty. It includes all hours worked or paid for at the mining operations, except hours paid for vacations, holidays, or sick leave, when the employee was not at the establishment. Included are actual overtime hours, not straight time equivalent hours. Hours of working proprietors or partners and employees of contractors are excluded.

Supplemental labor costs. This item represents employer's cost for fringe benefits not included in payrolls.

Legally required expenditures, including Social Security contributions. This cost includes employer contributions for all programs required under Federal and State legislation, such as Federal Old Age and Survivors' Insurance, unemployment compensation, and worker's compensation. Also included are legally required State temporary disability payments.

Payments for voluntary programs. Included in this cost are payments resulting from union negotiated contracts and all employer payments of insurance premiums on hospital and medical plans, life insurance premiums, and premiums on supplementary accident and sickness insurance. For programs supported by joint employer-employee contributions, only the employer payments are included. Also included are payments or allocations on all pension plans regardless of methods of administration, supplemental unemployment compensation plans, welfare plans, stock purchase plans in which the employer payment is not subject to withholding tax, and deferred profit sharing plans.

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 (mining products plus receipts for services rendered) and total capital expenditures. This statistic avoids the duplication in value of shipments and receipts which 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. For these reasons, it is considered to be the best value measure for comparing the relative economic importance of mining among industries and geographic areas.

Cost of supplies used, purchased machinery installed, etc. Besides supplies used and purchased machinery installed, this cost includes fuels and electric energy used and contract work done by others for each establishment. It includes charges to both the current and capital accounts. It also includes the cost of items used during 1992 whether they were purchased, withdrawn from inventories, or received from other establishments of the company. For selected supplies and fuels and for electric energy, both quantity and cost data were requested. The cost data refer to direct charges actually paid or payable (after discounts) for items used during the year. Freight charges and other direct charges incurred by the establishment in acquiring the item are included. Companies whose records did not show actual amounts used were asked to approximate use by adding purchases (or receipts) during the year to beginning inventory and subtracting ending inventory. Separate figures were requested for (1) selected supplies used, minerals received for preparation, and purchased machinery installed; (2) electric energy purchased; (3) purchased fuels used for heat, power, or the generation of electricity; (4) contract work done by others; and (5) products bought and resold in the same condition. Supplies and equipment used in mine development, plant expansion, and capitalized repairs, which are chargeable to fixed assets accounts, are included in this item, as are supplies furnished without charge to contractors for use at the mining operation and supplies sold to employees for use at the establishment. Excluded are such costs as advertising, insurance, telephone, and research and consulting services of other establishments or such overhead costs as depreciation charges, rent, interest, and royalties.

Selected supplies used, minerals prepared, etc. In addition to the total cost of supplies used, purchased machinery installed, etc., which every establishment was required to report, information also was collected on the consumption of major supplies used in mining. These inquiries were restricted to supplies which were important parts of the cost of production, exploration, and development of a particular industry and for which cost information was available. On report forms for most mineral industries (except the contract services and the crude petroleum and natural gas industries), a uniform inquiry was included on minerals prepared at the reported establishments. Figures were obtained on crude minerals mined at the establishment (quantity), received from other establishments of the

company or purchased from others (quantity and cost), and received for preparation on a custom or toll basis (quantity and estimated value). Establishments consuming less than a specified amount (usually \$25,000) were not required to report the cost of a supply. For small establishments for which administrative records were used, the cost of supplies was included in "not specified by kind."

Value of shipments and receipts. The amounts shown as value of shipments and receipts for each industry and for individual products or classes of products are the net selling values, f.o.b. mine or plant after discounts and allowances, excluding freight charges and excise taxes. Shipments includes all products physically shipped from the establishment during 1992, including material withdrawn from stockpiles and products shipped on consignment, whether or not sold in 1992. Prepared material or concentrates includes preparation from ores mined at the same establishment, purchased, received from other operations of the same company, or received for milling on a custom or toll basis. For products transferred to other establishments of the same company or prepared on a custom basis, companies were requested to report the estimated value, not merely the cost of producing the items. Multiestablishment companies were asked to report value information for each establishment as if it were a separate economic unit. They were instructed to report the value of all products transferred to other plants of the company at their full economic value; to include, in addition to direct cost of production, a reasonable proportion of company overhead and profits.

For all establishments classified in an industry, value of shipments and receipts includes (1) the value of all primary products of the industry, (2) the value of secondary products which are primary to other industries, (3) the receipts for contract work done for others, except custom milling, and (4) the value of products purchased and resold without further processing. Receipts for custom milling are not included to avoid duplication with the value of custom milled ores included in an industry's primary and secondary products. Some duplication exists in industry and industry group totals because of the inclusion of materials transferred from one establishment to another for mineral preparation or resale.

Shipments of individual products. In the 1992 Census of Mineral Industries, information was collected on output for about 150 individual mineral products. In general, the shipments figures of the 1992 and 1987 minerals censuses were confined to separate totals for each crude and each prepared mineral. When shipments were significant, separate figures also were obtained on crude minerals going to preparation plants and those going to consumers.

Figures were collected on both quantity and value of shipments. Shipments includes commercial shipments and transfers of products to other operations of the same company. For products that are used to a significant extent within the same establishment for power or heat, and for

minerals mined and prepared in the same establishment, total production figures or separate data on production for such uses were collected. Typically, production also was collected for products for which there was usually significant differences between total production and total shipments because of stock changes.

For service industries, the amount received or due for services performed during 1992 was collected as a measure of output. For mine operators who also perform services, the amount received for such services was added to the total value of products shipped to determine total value of shipments and receipts for each establishment.

Capital expenditures. This item covers expenditures made during the year for development and exploration of mineral properties, for new construction, and for purchased machinery chargeable to fixed assets accounts of the mineral establishment. They are the type for which depreciation, depletion, or Office of Minerals Exploration accounts are ordinarily maintained. Capital expenditures during 1992 were determined as "additions completed during the year plus construction in progress at the end of the year minus construction in progress at the beginning of the year." Reported capital expenditures include work done on contract, as well as by the mine forces. Expenditures for machinery and equipment include those made for replacement purposes, as well as those for additions to capacity. Excluded from these expenditures were costs of maintenance and repairs charged as current operating expense and expenditures for land and mineral rights.

Whenever applicable, separate figures were provided for expenditures for development and exploration of mineral property, construction of preparation plants and other construction, new machinery and equipment, used plant, and used equipment acquired from others.

Gross value of depreciable assets. Assets data were collected on buildings, other structures, machinery, equipment, capitalized mineral exploration and development, and mineral land and rights for which depreciation, amortization, or depletion accounts are maintained. The values shown 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 costs). The data were collected for the beginning and end of the year. Assets at the beginning of the year plus new and used capital expenditures minus retirements should equal assets at the end of the year. For new construction or other improvement projects in progress but not completed by the end of the year, the cumulative capital expenditures were included in the beginning- and end-of-year assets figures.

Retirements. This item represents the gross value of depreciable assets sold, retired, scrapped, destroyed, abandoned, etc., during 1992. The values shown are the acquisition costs of the retired assets. This item also

includes the value of assets (at acquisition cost rather than current market value) transferred to other establishments of the same company.

Depreciation. This item shows the reduction in value of depreciable assets brought about through use, gradual obsolescence, or the effect of the elements (decay or corrosion) during the year. Included are charges against assets acquired or completed during the year.

Rental payments. This item consists of rental payments made to other companies for use of such depreciable assets as buildings, other structures, machinery, and equipment. It does not include payments made to the parent company or another subsidiary of the parent company for the use of buildings and equipment owned by the parent company or its subsidiary. The value of such company-owned assets is included in the gross value of depreciable assets.

Rented equipment is reported according to the type of lease negotiated with the lessor. If the lease qualified as an "operating lease" the periodic payments made to the producer or the lessor are reported in the rental section. However, if the leasing arrangement met the criteria set down by the Financial Accounting Standards Board for a "capital lease," the original cost or market value of the equipment or building is reported as a value of fixed assets and not as rental payments.

Current account expenditures. This item includes all expenses for mineral properties, exploration, and development charged to current accounts. This includes 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 capitalized, and the cost of maintenance and repairs associated with exploration or development activity and charged to current accounts.

Inventories. This item includes inventories of mined or quarried products and supplies, parts, fuels, etc., at the beginning and end of the year. Included as mined or quarried products are stockpiles of products ready for shipment and stocks of raw products awaiting treatment or beneficiation. Beginning with the 1982 Census of Mineral Industries, all respondents were requested to report their inventories at (the lower of) cost or market prior to adjustment to LIFO cost. This is a change from the 1977 census in which respondents were permitted to value their inventories using any generally accepted accounting method.

Fuels and electric energy used. This item includes the quantity and cost of fuels and electric energy used in mining. For most industries, separate quantity and cost figures are shown for purchased coal, distillate fuel oil, residual fuel oil, gas, gasoline, and electric energy, and a cost figure is shown for "other fuels" (see table 7b of the industry series). Data also were obtained on the quantity of fuels and electric energy produced and consumed at the same establishment. These data are shown for coal, crude petroleum, and natural gas used at the producing establishments for heat and power, and for electric energy generated and used at the same mining operations. For electric energy, the quantity generated and used is approximated by subtracting the quantity of electric energy sold from the total quantity generated (excluding generating station use).

Appendix B. Industry Descriptions

10 METAL MINING

This major group includes establishments primarily engaged in mining, developing mines, or exploring for metallic minerals (ores). These ores are valued chiefly for the metals contained, to be recovered for use as such or as constituents of alloys, chemicals, pigments or other products. This major group also includes all ore dressing and beneficiating operations, whether performed at mills operated in conjunction with the mines served or at mills, such as custom mills, operated separately. These include mills which crush, grind, wash, dry, sinter, calcine, or leach ore, or perform gravity separation or flotation operations. Magnesite and brucite operations are classified in industry 1459, and crushed dolomite operations are classified in industry 1422. Smelters and refineries are classified in Manufacturing, major group 33, and establishments engaged in producing primary magnesium metal are classified in Manufacturing, industry 3339. The operation of brine wells or sea water plants for the production of magnesium is classified in Manufacturing, major group 28.

When performed by operators of the properties, exploration under preliminary phases of operation should be classified according to the type of ore expected to be found. Exploration performed on a contract or fee basis is classified in industry 1081.

101 IRON ORES

1011 Iron Ores

Establishments primarily engaged in mining, beneficiating, or otherwise preparing iron ores and manganiferous ores valued chiefly for their iron content. This industry includes production of sinter and other agglomerates except those associated with blast furnace operations. Blast furnaces primarily engaged in producing pig iron from iron ore are classified in Manufacturing, industry 3312.

102 COPPER ORES

1021 Copper Ores

Establishments primarily engaged in mining, milling, or otherwise preparing copper ores. This industry also includes establishments primarily engaged in the recovery of copper concentrates by precipitation and leaching of copper ore.

Establishments primarily engaged in the recovery of refined copper by leaching copper concentrates are classified in Manufacturing, major group 33.

103 LEAD AND ZINC ORES

1031 Lead and Zinc Ores

Establishments primarily engaged in mining, milling, or otherwise preparing lead ores, zinc ores, or lead-zinc ores.

104 GOLD AND SILVER ORES

1041 Gold Ores

Establishments primarily engaged in mining gold ores from lode deposits or in the recovery of gold from placer deposits by any method. In addition to ore dressing methods such as crushing, grinding, gravity concentration, and froth flotation, this industry includes amalgamation, cyanidation, and the production of bullion at the mine, mill, or dredge site.

1044 Silver Ores

Establishments primarily engaged in mining, milling, or otherwise preparing silver ores. The production of bullion at the mine or mill site is included.

106 FERROALLOY ORES, EXCEPT VANADIUM

1061 Ferroalloy Ores, Except Vanadium

Establishments primarily engaged in mining, milling, or otherwise preparing ferroalloy ores, except vanadium. The mining of manganiferous ores valued chiefly for their iron content is classified in industry 1011. Establishments primarily engaged in mining vanadium ore are classified in industry 1094, and those mining titanium ore are classified in industry 1099.

108 METAL MINING SERVICES

1081 Metal Mining Services

Establishments primarily engaged in performing metal mining services for others on a contract or fee basis, such as the removal of overburden, strip mining for metallic ores,

prospect and test drilling, and mine exploration and development. Establishments which have complete responsibility for operating mines for others on a contract or fee basis are classified according to the product mined rather than as metal mining services. Establishments primarily performing hauling services are classified in Division E, Transportation.

109 MISCELLANEOUS METAL ORES

1094 Uranium-Radium-Vanadium Ores

Establishments primarily engaged in mining, milling, or otherwise preparing uranium-radium-vanadium ores.

1099 Miscellaneous Metal Ores, Not Elsewhere Classified

Establishments primarily engaged in mining, milling, or otherwise preparing miscellaneous metal ores, not elsewhere classified. Production of metallic mercury by furnacing or retorting at the mine site is also included.

12 COAL MINING

This major group includes establishments primarily engaged in producing bituminous coal, anthracite, and lignite. Included are mining operations and preparation plants (also known as cleaning plants and washeries), whether or not such plants are operated in conjunction with mine sites. The production of coal fuel briquettes and packaged fuel is classified in Manufacturing, industry 2999. Establishments primarily engaged in the production of gas and hydrocarbon liquids from coal at the mine site are classified in major group 13.

122 BITUMINOUS COAL AND LIGNITE MINING

1221 Bituminous Coal and Lignite Surface Mining

Establishments primarily engaged in producing bituminous coal or lignite at surface mines or in developing bituminous coal or lignite surface mines. This industry includes auger mining, strip mining, culm bank mining, and other surface mining, by owners or lessees or by establishments which have complete responsibility for operating bituminous coal and lignite surface mines for others on a contract or fee basis. Bituminous coal and lignite preparation plants performing such activities as cleaning, crushing, screening or sizing are included if operated in conjunction with a mine site, or if operated independently of any type of mine.

1222 Bituminous Coal Underground Mining

Establishments primarily engaged in producing bituminous coal in underground mines or in developing bituminous coal underground mines. This industry includes underground mining by owners or lessees or by establishments

which have complete responsibility for operating bituminous coal underground mines for others on a contract or fee basis. Bituminous coal preparation plants performing such activities as cleaning, crushing, screening or sizing are included if operated in conjunction with a mine. Independent bituminous coal preparation plants are classified in industry 1221.

123 ANTHRACITE MINING

1231 Anthracite Mining

Establishments primarily engaged in producing anthracite or in developing anthracite mines. All establishments in the United States that are classified in this industry are located in Pennsylvania. This industry includes mining by owners or lessees or by establishments which have complete responsibility for operating anthracite mines for others on a contract or fee basis. Also included are anthracite preparation plants, whether or not operated in conjunction with a mine.

124 COAL MINING SERVICES

1241 Coal Mining Services

Establishments primarily engaged in performing coal mining services for others on a contract or fee basis. Establishments which have complete responsibility for operating mines for others on a contract or fee basis are classified according to the product mined, rather than as mining services.

13 OIL AND GAS EXTRACTION

This major group includes establishments primarily engaged in: (1) producing crude petroleum and natural gas; (2) extracting oil from oil sands and oil shale; (3) producing natural gasoline and cycle condensate; and (4) producing gas and hydrocarbon liquids from coal at the mine site. Types of activities included are exploration, drilling, oil and gas well operation and maintenance, the operation of natural gasoline and cycle plants, and the gasification, liquefaction, and pyrolysis of coal at the mine site. This major group also includes such basic activities as emulsion breaking and desilting of crude petroleum in the preparation of oil and gas customarily done at the field site. Pipeline transportation of petroleum, gasoline, and other petroleum products (except crude petroleum field gathering lines) is classified in Transportation and Public Utilities, major group 46, and of natural gas in major group 49. Establishments primarily engaged in petroleum refining and in the production of lubricating oils and greases are classified in Manufacturing, major group 29.

131 CRUDE PETROLEUM AND NATURAL GAS

1311 Crude Petroleum and Natural Gas

Establishments primarily engaged in operating oil and gas field properties. 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 oil through the mining and extraction of oil from oil shale and oil sands and the production of gas and hydrocarbon liquids through gasification, liquefaction, and pyrolysis of coal at the mine site. Also included are establishments which have complete responsibility for operating oil and gas wells for others on a contract or fee basis. Establishments primarily engaged in performing oil field services for operators on a contract or fee basis are classified in industry group 138.

132 NATURAL GAS LIQUIDS

1321 Natural Gas Liquids

Establishments primarily engaged in producing liquid hydrocarbons from oil and gas field gases. Establishments recovering liquefied petroleum gases incidental to petroleum refining or to the manufacturing of chemicals are classified in Manufacturing, major group 28 or 29. Establishments recovering helium from natural gas are classified in Manufacturing, major group 28.

138 OIL AND GAS FIELD SERVICES

1381 Drilling Oil and Gas Wells

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

1382 Oil and Gas Field Exploration Services

Establishments primarily engaged in performing geophysical, geological, and other exploration services for oil and gas on a contract or fee basis.

1389 Oil and Gas Field Services, Not Elsewhere Classified

Establishments primarily engaged in performing oil and gas field services, not elsewhere classified, for others on a contract or fee basis. Services included are excavating slush pits and cellars; grading, and building of 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. Establishments which have complete responsibility for operating oil and gas wells for others on a contract or fee basis are classified according to the product extracted rather than as oil and gas field services. Establishments primarily engaged in hauling oil and gas field supplies and

equipment are classified in Division E, Transportation and Public Utilities. Establishments primarily engaged in oil and gas field machine shop work are classified in Manufacturing, industry 3599.

14 MINING AND QUARRYING OF NONMETALLIC MINERALS, EXCEPT FUELS

This major group includes establishments primarily engaged in mining or quarrying, developing mines, or exploring for nonmetallic minerals, except fuels. Also included are certain well and brine operations, and primary preparation plants, such as those engaged in crushing, grinding, washing, or other concentration. Establishments primarily engaged in manufacturing cement are classified in industry 3241; those engaged in manufacturing lime are classified in industry 3274; those engaged in cutting and finishing stone and stone products are classified in industry 3281; and those engaged in manufacturing brick and other structural clay products are classified in industry group 325. Establishments primarily engaged in crushing, pulverizing, or otherwise treating earths, rocks, and minerals mined in industry group 145 or 149; or barite mined in Industry 1479, not in conjunction with mining or quarrying operations, are classified in Manufacturing, industry 3295; establishments primarily engaged in these activities in conjunction with mines or quarries are classified in Mining. Establishments primarily engaged in crushing, pulverizing, or otherwise treating other nonmetallic minerals are classified in Mining, whether or not they are operated in conjunction with mines. Establishments primarily engaged in manufacturing other stone, clay, glass, and concrete products from minerals mined at the same establishment are classified in Manufacturing, major group 32, when separate reports are not available for the mining and manufacturing activities.

141 DIMENSION STONE

1411 Dimension Stone

Establishments primarily engaged in mining or quarrying dimension stone. Also included are establishments engaged in producing rough blocks and slabs. Establishments primarily engaged in mining dimension soapstone or in mining or quarrying and shaping grindstones, pulpstones, millstones, burrstones, and sharpening stones are classified in industry 1499. Establishments primarily engaged in dressing (shaping, polishing, or otherwise finishing) blocks and slabs are classified in Manufacturing, industry 3281. Nepheline syenite mining operations are classified in industry 1459.

142 CRUSHED AND BROKEN STONE, INCLUDING RIPRAP

1422 Crushed and Broken Limestone

Establishments primarily engaged in mining or quarrying crushed and broken limestone, including related rocks, such as dolomite, cement rock, marl, travertine, and calcareous tufa. Also included are establishments primarily

engaged in the grinding or pulverizing of limestone, but establishments primarily engaged in producing lime are classified in Manufacturing, industry 3274.

1423 Crushed and Broken Granite

Establishments primarily engaged in mining or quarrying crushed and broken granite, including related rocks, such as gneiss, syenite, and diorite.

1429 Crushed and Broken Stone, Not Elsewhere Classified

Establishments primarily engaged in mining or quarrying crushed and broken stone, not elsewhere classified.

144 SAND AND GRAVEL

1442 Construction Sand and Gravel

Establishments primarily engaged in operating sand and gravel pits and dredges, and in washing, screening, or otherwise preparing sand and gravel for construction uses.

1446 Industrial Sand

Establishments primarily engaged in operating sand pits and dredges, and in washing, screening, and otherwise preparing sand for uses other than construction, such as glassmaking, molding, and abrasives.

145 CLAY, CERAMIC, AND REFRACTORY MINERALS

Establishments primarily engaged in mining, milling, or otherwise preparing clays and refractory minerals. Mines operated in conjunction with plants manufacturing cement, brick or other structural clay products, or pottery and related products, are included in this industry when separate reports are available. Establishments primarily engaged in grinding, pulverizing, or otherwise treating clay, ceramic, and refractory minerals not in conjunction with mining or quarrying operations are classified in Manufacturing, industry 3295.

1455 Kaolin and Ball Clay

Establishments primarily engaged in mining, milling, or otherwise preparing kaolin or ball clay, including china clay, paper clay, and slip clay.

1459 Clay, Ceramic, and Refractory Minerals, Not Elsewhere Classified

Establishments primarily engaged in mining, milling, or otherwise preparing clay, ceramic, or refractory minerals, not elsewhere classified. Establishments producing clay in conjunction with the manufacture of refractory or structural clay and pottery products are classified in Manufacturing, major group 32.

147 CHEMICAL AND FERTILIZER MINERAL MINING

1474 Potash, Soda, and Borate Minerals

Establishments primarily engaged in mining, milling, or otherwise preparing natural potassium, sodium, or boron compounds. Establishments primarily engaged in mining common salt are classified in industry 1479.

1475 Phosphate Rock

Establishments primarily engaged in mining, milling, drying, calcining, sintering, or otherwise preparing phosphate rock, including apatite. Establishments primarily engaged in the production of phosphoric acid, superphosphates, or other manufactured phosphate compounds or chemicals are classified in Manufacturing, major group 28.

1479 Chemical and Fertilizer Mineral Mining, Not Elsewhere Classified

Establishments primarily engaged in mining, milling, or otherwise preparing chemical or fertilizer mineral raw materials, not elsewhere classified. Establishments primarily engaged in milling, grinding, or otherwise preparing barite not in conjunction with mining or quarry operations are classified in Manufacturing, industry 3295; similar establishments preparing other minerals of this industry are included here. Establishments primarily engaged in producing salt by evaporation of sea water or brine are classified in Manufacturing, industry 2899.

148 NONMETALLIC MINERALS SERVICES, EXCEPT FUELS

1481 Nonmetallic Minerals Services, Except Fuels

Establishments primarily engaged in the removal of overburden, strip mining, and other services for nonmetallic minerals, except fuels, for others on a contract or fee basis. Establishments primarily engaged in performing hauling services are classified in Division E, Transportation and Public Utilities.

149 MISCELLANEOUS NONMETALLIC MINERALS, EXCEPT FUELS

1499 Miscellaneous Nonmetallic Minerals, Except Fuels

Establishments primarily engaged in mining, quarrying, milling, or otherwise preparing nonmetallic minerals, except

fuels. This industry includes the shaping of natural abrasive stones at the quarry. Establishments primarily engaged in the production of blast, grinding, or polishing sand are

classified in industry 1446, and those calcining gypsum are classified in Manufacturing, industry 3275.

Appendix C.

Authority for Census: Title 13, United States Code

COLLECTION AND PUBLICATION; FIVE-YEAR PERIODS (131)

The Secretary shall take, compile, and publish censuses of manufactures, of mineral industries, and of other businesses ... in the year 1964, then in the year 1968, and every fifth year thereafter, and each such census shall relate to the year immediately preceding the taking thereof.

GEOGRAPHIC SCOPE OF CENSUSES (191A)

(a)Each of the censuses authorized by this chapter shall include each State, the District of Columbia, the Virgin Islands, the Commonwealth of Puerto Rico, and as may be determined by the Secretary, such other possessions and areas over which the United States exercises jurisdiction, control, or sovereignty. Inclusion of the other areas over which the United States exercises jurisdiction or control shall be subject to the concurrence of the Secretary of State.

WRONGFUL DISCLOSURE OF INFORMATION (214)

Whoever, being or having been an employee or staff member referred to in subchapter II of chapter I of this title, having taken and subscribed the oath of office, or having sworn to observe the limitations imposed by section 9 of

this title, publishes or communicates any information, the disclosure of which is prohibited under the revisions of section 9 of this title, and which comes into his possession by reason of his being employed (or otherwise providing services) under the provisions of this title, shall be fined not more than \$5,000 or imprisoned not more than 5 years, or both.

FAILURE TO ANSWER QUESTIONS AFFECTING COMPANIES, BUSINESSES, RELIGIOUS BODIES, AND OTHER ORGANIZATIONS: FALSE ANSWERS (224)

Whoever, being the owner, official, agent, person in charge or assistant to the person in charge of any company, business, institution establishments, religious body, or organization of any nature whatsoever, neglects or refuses, when requested by the Secretary or other authorized officer or employee of the Department of Commerce or bureau or agency thereof, to answer completely and correctly to the best of his knowledge all questions relating to his company, business, institution, establishment, religious body, or other organization, or to records or statistics in his official custody, contained on any census or other schedule or questionnaire prepared and submitted to him under the authority of this title, shall be fined not more than \$500; and if he willfully gives a false answer to any such question, he shall be fined not more than \$10,000.

Appendix D.

Alphabetic Index of Products and Services of Mineral Establishments

This index provides an alphabetic list of products and services classified in the mineral industries for which data are shown in table 6 of the industry reports. The references in this index refer to items for which statistics are either shown separately in that table or are included as part of a group of products or services. The index also includes products and services referred to in the industry descriptions in the explanatory text of the separate industry reports.

References to products may be found in various tables in the industry chapters; however, detailed product information is typically given in table 6. The industry codes are based on the 1987 edition of the *Standard Industrial Classification (SIC) Manual¹* published by the Office of Management and Budget.

¹Standard Industrial Classification Manual: 1987: For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

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Appendix E. Report Forms

This appendix contains reproductions of a representative selection of the report forms used in the 1992 Economic Census with emphasis on the census of mineral industries. The use of each of the forms is described in the Introduction, Report Forms. Following is a list of forms included in this appendix:

Number	Title	Number	Title
NC-9901	Report of Organization. This company-wide report was used prior to mailing the 1992 census questionnaires to develop the directory of establishments operated by multiunit companies.	ES-9200	Auxiliary Establishment Report. This form was completed by establishments whose function was to provide centralized administrative, management, or other supporting services for other establishments of the same company, but not for the general public or other companies.
NC-9923	General Schedule. This questionnaire was used to obtain information from small companies for which the industry code available in the Social Security Administration records was not precise enough to indicate which one of the standard questionnaires should be mailed.	MC-1403	Chemical and Fertilizer and Miscellaneous Nonmetallic Minerals—. This is a typical example of the types of general statistics, supplies, and product and service questions asked and how each form was tailored to reflect the uniqueness of each industry
ES-9100	Enterprise Summary Report. This form was sent to each large multiestablishment company in addition to a specific questionnaire for each establishment and requested consolidated company totals of selected data.		



Publication Program

1992 CENSUS OF MINERAL INDUSTRIES

Publications of the 1992 Census of Mineral Industries, containing data on establishments primarily engaged in the extraction of minerals, are described below. Publications order forms for the specific reports may be obtained from any Department of Commerce district office or from Customer Services, Bureau of the Census, Washington, DC 20233-8300.

Preliminary Reports

Industry series—12 reports (MIC92-I-10A(P) to -14E(P))

Preliminary data from the 1992 census are issued in 12 separate reports covering 31 mineral industries. Preliminary summary data for the United States and States are released in one report.

Final Reports

Industry series—12 reports (MIC92-I-10A to -14E)

Each of the 12 reports provides information for an industry or a group of related industries (e.g., clay, ceramic, and refractory minerals). Final figures for the United States are shown for each of 31 mineral industries on quantity and value of products shipped and supplies used; inventories; quantity and cost of fuels and electric energy purchased and the quantities of fuels produced and consumed; capital expenditures; assets; rents; employment; depreciation, amortization, and depletion; payroll; hours worked; cost of purchased machinery; value added by mining; mineral development, and exploration costs; number of establishments; and number of companies. Comparative statistics for earlier years are included. Industry statistics are shown by State, type of operation, and size of establishment.

Geographic area series—9 reports (MIC92-A-1 to -9)

A separate report for each of the nine geographic divisions presents statistics for individual States and off-shore areas for two- and three-digit industry groups by

type of operation and by county. Also, data are shown for value of shipments; value added by mining; employment; payroll; hours worked; capital expenditures; cost of supplies, etc.; purchased machinery installed; and number of mining establishments, with comparative 1987 data on employment and value added by mining.

Subject series—2 reports (MIC92-S-1 and -2)

One of these reports is a general national-level summary; the other report contains detailed statistics on fuels and electric energy consumed by mineral industries.

Reference series—1 report (MC92-R-1)

The *Numerical List of Manufactured and Mineral Products* includes a description of the principal products and services published in the 1992 Censuses of Manufactures and Mineral Industries.

Electronic Media

All data included in the printed reports are available on compact disc—read only memory (CD-ROM). The CD-ROM's provide the same information found in the reports. Electronic media products are available for users who wish to summarize, rearrange, or process large amounts of data. These products, with corresponding technical documentation, are sold by Customer Services, Bureau of the Census, Washington, DC 20233-8300.

OTHER ECONOMIC CENSUSES REPORTS

Data on retail trade, wholesale trade, service industries, financial, insurance, real estate, construction industries, manufactures, transportation, communications, utilities, enterprise statistics, minority-owned businesses, and women-owned businesses also are available from the 1992 Economic Census. A separate series of reports covers the census of outlying areas—Puerto Rico, Virgin Islands of the United States, Guam, and the Commonwealth of the Northern Mariana Islands. Separate announcements describing these reports are available free of charge from Customer Services, Bureau of the Census, Washington, DC 20233-8300.