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## Section 18

# Forestry, Fishing, and Mining

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This section presents data on the area, ownership, production, trade, reserves, and disposition of natural resources. Natural resources is defined here as including forestry, fisheries, and mining and mineral products.

**Forestry**—Presents data on the area, ownership, and timber resource of commercial timberland; forestry statistics covering the National Forests and Forest Service cooperative programs; product data for lumber, pulpwood, woodpulp, paper and paperboard, and similar data.

The principal sources of data relating to forests and forest products are *Forest Resources of the United States, 2007; Timber Demand and Technology Assessment; U.S. Timber Production, Trade, Consumption, and Price Statistics, 1965–2005; Land Areas of the National Forest System*, issued annually by the Forest Service of the U.S. Department of Agriculture; *Agricultural Statistics* issued by the Department of Agriculture; and reports of the annual survey of manufactures, and the annual *Current Industrial Reports*, issued by the U.S. Census Bureau on the Internet and in print in the annual *Manufacturing Profiles*. Additional information is published in the monthly *Survey of Current Business* of the Bureau of Economic Analysis, and the annual *Wood Pulp and Fiber Statistics and The Annual Statistics of Paper, Paperboard, and Wood Pulp* of the American Forest and Paper Association, Washington, DC.

The completeness and reliability of statistics on forests and forest products vary considerably. The data for forest land area and stand volumes are much more reliable for areas that have been recently surveyed than for those for which only estimates are available. In general, more data are available for lumber and other manufactured products such as particle board and softwood panels, etc., than for the primary forest products such as poles and piling and fuelwood.

**Fisheries**—The principal source of data relating to fisheries is *Fisheries of the United States*, issued annually by the National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA). The NMFS collects and disseminates data on commercial landings of fish and shellfish. Annual reports include quantity and value of commercial landings of fish and shellfish disposition of landings and number and kinds of fishing vessels and fishing gear. Reports for the fish-processing industry include annual output for the wholesaling and fish processing establishments, annual and seasonal employment. The principal source for these data is the annual *Fisheries of the United States*.

**Mining and mineral products**—Presents data relating to mineral industries and their products, general summary measures of production and employment, and more detailed data on production, prices, imports and exports, consumption, and distribution for specific industries and products. Data on mining and mineral products may also be found in Sections 19, 21, and 28 of this *Abstract*; data on mining employment may be found in Section 12.

Mining comprises the extraction of minerals occurring naturally (coal, ores, crude petroleum, natural gas) and quarrying, well operation, milling, refining and processing, and other preparation customarily done at the mine or well site or as a part of extraction activity. (Mineral preparation plants are usually operated together with mines or quarries.) Exploration for minerals is included as is the development of mineral properties.

The principal governmental sources of these data are the *Minerals Yearbook* and *Mineral Commodity Summaries*, published by the U.S. Geological Survey, U.S. Department of the Interior, and various monthly and annual publications of the Energy Information Administration, U.S.

Department of Energy. See text, Section 19, for a list of Department of Energy publications. In addition, the Census Bureau conducts a census of mineral industries every 5 years.

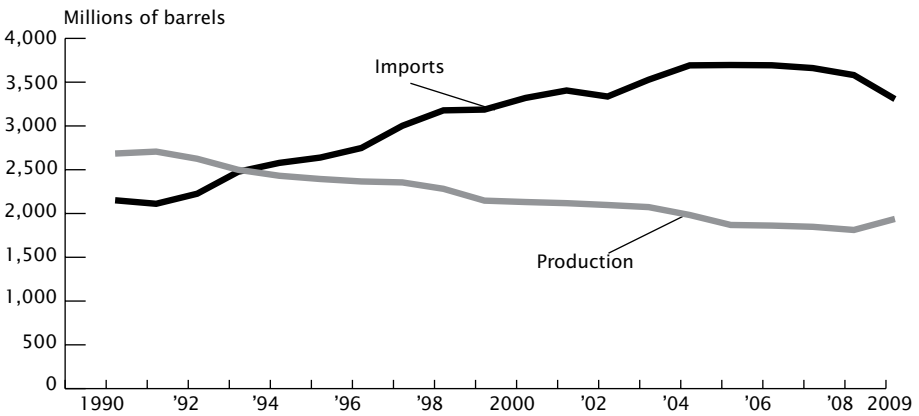
Nongovernment sources include the *Annual Statistical Report* of the American Iron and Steel Institute, Washington, DC; Metals Week and the monthly *Engineering and Mining Journal*, issued by the McGraw-Hill Publishing Co., New York, NY; *The Iron Age*, issued weekly by the Chilton Co., Philadelphia, PA; and the *Joint Association Survey of the U.S. Oil and Gas Industry*, conducted jointly by the American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association.

Mineral statistics, with principal emphasis on commodity detail, have been collected by the U.S. Geological Survey and

the former Bureau of Mines since 1880. Current data in U.S. Geological Survey publications include quantity and value of nonfuel minerals produced, sold, or used by producers, or shipped; quantity of minerals stocked; crude materials treated and prepared minerals recovered; and consumption of mineral raw materials.

The Economic Census, conducted by the Census Bureau at various intervals since 1840, collects data on mineral industries. Beginning with the 1967 census, legislation provides for a census to be conducted every 5 years for years ending in "2" and "7." The most recent results, published for 2007, are based on the North American Industry Classification System (NAICS). The censuses provide, for the various types of mineral establishments, information on operating costs, capital expenditures, labor, equipment, and energy requirements in relation to their value of shipments and other receipts.

Figure 18.1  
**Crude Oil Production and Imports: 1990 to 2009**



Source: Chart prepared by U.S. Census Bureau. For data, see Table 910.

**Table 879. Natural Resource–Related Industries—Establishments, Sales, Payroll, and Employees by Industry: 2002 and 2007**

[183 represents \$183,000,000,000. Includes only establishments of firms with payroll. Data are based on the 2002 and 2007 economic censuses, which are subject to nonsampling error. For details on methodology and nonsampling and sampling errors, see Appendix III]

| Industry                                   | 2002 NAICS code <sup>1</sup> | Establishments (number) |         | Value of shipments (bil. dol.) |       | Annual payroll (bil. dol.) |      | Paid employees <sup>2</sup> (1,000) |      |
|--|------------------------------|-------------------------|---------|--------------------------------|-------|----------------------------|------|-------------------------------------|------|
|  |                              | 2002                    | 2007    | 2002                           | 2007  | 2002                       | 2007 | 2002                                | 2007 |
| Mining .....                               | 21                           | 24,087                  | 21,169  | 183                            | 369   | 21                         | 37   | 475                                 | 703  |
| Oil & gas extraction .....                 | 211                          | 7,730                   | 6,293   | 113                            | 231   | 5                          | 10   | 99                                  | 162  |
| Mining (except oil & gas) .....            | 212                          | 7,253                   | 6,465   | 48                             | 81    | 9                          | 11   | 196                                 | 220  |
| Mining support activities .....            | 213                          | 9,104                   | 8,411   | 22                             | 57    | 7                          | 16   | 180                                 | 322  |
| Manufacturing <sup>3</sup> .....           | 31–33                        | 350,728                 | 293,919 | 3,915                          | 5,339 | 568                        | 612  | 15                                  | 13   |
| Wood product mfg. ....                     | 321                          | 17,192                  | 14,862  | 89                             | 102   | 16                         | 17   | 540                                 | 520  |
| Paper mfg. ....                            | 322                          | 5,520                   | 4,803   | 154                            | 176   | 21                         | 21   | 491                                 | 417  |
| Petroleum & coal products manufacturing .. | 324                          | 2,268                   | 2,284   | 216                            | 606   | 6                          | 8    | 104                                 | 105  |

<sup>1</sup> North American Industry Classification System, 2002. <sup>2</sup> For pay period including March 12. <sup>3</sup> Includes other industries, not shown separately.

Source: U.S. Census Bureau, 2007 Economic Census, "Comparative Statistics," March 2009, <[http://www.census.gov/econ/census07/www/get\\_data.html](http://www.census.gov/econ/census07/www/get_data.html)>.

**Table 880. Natural Resource–Related Industries—Establishments, Employees, and Annual Payroll by Industry: 2000 and 2008**

[1,791.3 represents 1,791,300. Excludes most government employees, railroad employees, self-employed persons, etc. See "General Explanation" in source for definitions and statement on reliability of data. An establishment is a single physical location where business is conducted or where services or industrial operations are performed. See Appendix III]

| Industry  | 2002 NAICS Code <sup>1</sup> | Establishments (number) |               | Number of employees <sup>2</sup> (1,000) |                | Annual payroll (bil. dol.) |              |
|---|------------------------------|-------------------------|---------------|--|----------------|----------------------------|--------------|
|   |                              | 2000                    | 2008          | 2000                                     | 2008           | 2000                       | 2008         |
| <b>Natural resource–related industries, total. ....</b>         | <b>(X)</b>                   | <b>72,932</b>           | <b>71,228</b> | <b>1,791.3</b>                           | <b>1,700.5</b> | <b>66.58</b>               | <b>90.28</b> |
| Forestry, fishing, hunting, and agriculture support. ....       | 11                           | 26,076                  | 22,651        | 183.6                                    | 167.0          | 4.68                       | 5.61         |
| Forestry and logging .....                                      | 113                          | 13,347                  | 9,741         | 83.1                                     | 61.3           | 2.26                       | 2.19         |
| Timber tract operations .....                                   | 1131                         | 469                     | 430           | 3.3                                      | 2.6            | 0.13                       | 0.15         |
| Forest nurseries and gathering forest products.....             | 1132                         | 258                     | 226           | 1.7                                      | 2.2            | 0.07                       | 0.09         |
| Logging .....   | 1133                         | 12,620                  | 9,085         | 78.1                                     | 56.5           | 2.06                       | 1.96         |
| Fishing, hunting and trapping .....                             | 114                          | 2,671                   | 2,292         | 10.0                                     | 7.5            | 0.34                       | 0.36         |
| Fishing .....   | 1141                         | 2,308                   | 1,978         | 7.5                                      | 5.6            | 0.27                       | 0.30         |
| Hunting and trapping .....                                      | 1142                         | 363                     | 314           | 2.5                                      | 1.9            | 0.08                       | 0.06         |
| Agriculture and forestry support activities .....               | 115                          | 10,058                  | 10,618        | 90.4                                     | 98.2           | 2.08                       | 3.06         |
| Crop production support activities .....                        | 1151                         | 5,061                   | 4,560         | 57.6                                     | 66.1           | 1.35                       | 2.06         |
| Animal production support activities .....                      | 1152                         | 3,450                   | 4,333         | 18.2                                     | 20.5           | 0.38                       | 0.60         |
| Forestry support activities .....                               | 1153                         | 1,547                   | 1,725         | 14.7                                     | 11.7           | 0.35                       | 0.40         |
| Mining, quarrying and oil, and gas extraction .....             | 21                           | 23,738                  | 27,440        | 456.1                                    | 629.3          | 22.09                      | 47.54        |
| Oil and gas extraction .....                                    | 211                          | 7,740                   | 7,993         | 83.0                                     | 107.1          | 5.39                       | 12.15        |
| Mining (except oil and gas) .....                               | 212                          | 7,231                   | 6,935         | 204.3                                    | 205.7          | 9.34                       | 13.08        |
| Coal mining .....   | 2121                         | 1,253                   | 1,108         | 70.7                                     | 81.9           | 3.54                       | 5.80         |
| Metal ore mining .....  | 2122                         | 522                     | 324           | 34.8                                     | 33.3           | 1.72                       | 2.57         |
| Nonmetallic mineral mining and quarrying .....                  | 2123                         | 5,456                   | 5,503         | 98.8                                     | 90.4           | 4.08                       | 4.71         |
| Mining support activities .....                                 | 213                          | 8,767                   | 12,512        | 168.8                                    | 316.5          | 7.35                       | 22.30        |
| Timber–related manufacturing. ....                              | (X)                          | 23,118                  | 21,137        | 1,151.6                                  | 904.2          | 39.80                      | 37.13        |
| Wood product manufacturing. ....                                | 321                          | 17,328                  | 16,260        | 597.7                                    | 491.3          | 16.51                      | 15.85        |
| Sawmills and wood preservation .....                            | 3211                         | 4,695                   | 3,902         | 131.4                                    | 103.5          | 3.78                       | 3.47         |
| Veneer, plywood and engineered wood product manufacturing ..... | 3212                         | 1,904                   | 1,919         | 120.6                                    | 95.2           | 3.75                       | 3.34         |
| Other wood product manufacturing .....                          | 3219                         | 10,729                  | 10,439        | 345.8                                    | 292.7          | 8.95                       | 9.04         |
| Paper manufacturing .....                                       | 322                          | 5,790                   | 4,877         | 553.9                                    | 412.9          | 23.29                      | 21.29        |
| Pulp, paper and paperboard mills .....                          | 3221                         | 597                     | 504           | 177.1                                    | 123.4          | 9.48                       | 8.16         |
| Converted paper product manufacturing .....                     | 3222                         | 5,193                   | 4,373         | 376.8                                    | 289.5          | 13.82                      | 13.13        |

X Not applicable. <sup>1</sup> 2000 data based on North American Industry Classification System (NAICS), 2002. 2008 data based on 2007 NAICS. <sup>2</sup> Covers full- and part-time employees who are on the payroll in the pay period including March 12.

Source: U.S. Census Bureau, "County Business Patterns," July 2010, <<http://www.census.gov/econ/cbp/index.html>>.

**Table 881. Timber-Based Manufacturing Industries—Establishments, Shipments, Payroll, and Employees: 2007**

[107,711,917 represents \$107,711,917,000. Includes only establishments or firms with payroll. Data for industries with NAICS codes less than 6—digits were derived by summing values with the corresponding 6—digit NAICS codes. See Appendix III]

| Industry   | 2007 NAICS code <sup>1</sup> | Establishments (number) | Value of shipments (\$1,000) | Annual payroll (\$1,000) | Paid employees <sup>2</sup> |
|--|------------------------------|-------------------------|------------------------------|--------------------------|-----------------------------|
| Wood product manufacturing . . . . .                                 | 321                          | 16,868                  | 101,711,917                  | 17,426,832               | 523,899                     |
| Sawmills and wood preservation . . . . .                             | 3211                         | 4,102                   | 27,911,240                   | 3,642,165                | 103,413                     |
| Sawmills . . . . .   | 321113                       | 3,589                   | 22,075,666                   | 3,144,796                | 90,044                      |
| Wood preservation . . . . .  | 321114                       | 513                     | 5,835,574                    | 497,369                  | 13,369                      |
| Veneer, plywood, and engineered wood product manufacturing . . . . . | 3212                         | 1,958                   | 22,258,829                   | 3,829,184                | 106,848                     |
| Other wood product manufacturing . . . . .                           | 3219                         | 10,810                  | 51,777,100                   | 9,993,940                | 314,393                     |
| Millwork . . . . .   | 32191                        | 4,713                   | 28,300,862                   | 5,201,356                | 153,739                     |
| Wood container and pallet manufacturing . . . . .                    | 32192                        | 2,909                   | 7,235,876                    | 1,519,970                | 58,467                      |
| All other wood product manufacturing . . . . .                       | 32199                        | 3,151                   | 16,339,726                   | 3,274,866                | 102,353                     |
| Paper manufacturing . . . . .  | 322                          | 4,988                   | 176,687,641                  | 20,858,769               | 418,241                     |
| Pulp, paper, and paperboard mills . . . . .                          | 3221                         | 486                     | 80,550,214                   | 7,925,398                | 125,483                     |
| Pulp mills . . . . .   | 32211                        | 39                      | 5,027,395                    | 504,602                  | 7,268                       |
| Paper mills . . . . .  | 32212                        | 262                     | 49,732,085                   | 4,919,950                | 80,838                      |
| Paperboard mills . . . . .   | 32213                        | 187                     | 25,354,745                   | 2,451,849                | 36,641                      |
| Converted paper product manufacturing . . . . .                      | 3222                         | 4,502                   | 96,137,427                   | 12,933,371               | 292,758                     |
| Paperboard container manufacturing . . . . .                         | 32221                        | 2,402                   | 50,900,190                   | 7,387,042                | 165,839                     |
| Paper bag and coated and treated paper manufacturing . . . . .       | 32222                        | 891                     | 21,737,348                   | 2,798,096                | 60,373                      |
| Stationery product manufacturing . . . . .                           | 32223                        | 549                     | 8,242,007                    | 1,197,456                | 31,628                      |
| Other converted paper product manufacturing . . . . .                | 32229                        | 654                     | 15,024,475                   | 1,545,024                | 34,780                      |

<sup>1</sup> North American Industry Classification System, 2007. <sup>2</sup> For pay period including March 12.

Source: U.S. Census Bureau, 2007 Economic Census, "Economy—Wide Key Statistics," August 2010. See also <<http://www.census.gov/econ/census07/>>.

**Table 882. Timber-Based Manufacturing Industries—Employees, Payroll, and Shipments: 2009**

[In thousands (11,051 represents 11,051,000). Based on the Annual Survey of Manufactures; see Appendix III]

| Selected industry   | 2007 NAICS code <sup>1</sup> | All employees  |                   |                     | Production workers, total (1,000) | Value added by manufactures |                              | Value of shipments (mil. dol.) |
|---|------------------------------|----------------|-------------------|---------------------|-----------------------------------|-----------------------------|------------------------------|--------------------------------|
|   |                              | Number (1,000) | Payroll           |                     |                                   | Total (mil. dol.)           | Per production worker (dol.) |                                |
|   |                              |                | Total (mil. dol.) | Per employee (dol.) |                                   |                             |                              |                                |
| <b>Manufacturing, all industries <sup>2</sup> . . . . .</b> | <b>31–33</b>                 | <b>11,051</b>  | <b>534,262</b>    | <b>48,344</b>       | <b>7,571</b>                      | <b>1,978,017</b>            | <b>261,261</b>               | <b>4,436,196</b>               |
| <b>Timber-based manufacturing, total . . . . .</b>          | <b>321–322</b>               | <b>716</b>     | <b>30,867</b>     | <b>43,102</b>       | <b>564</b>                        | <b>102,431</b>              | <b>181,502</b>               | <b>227,256</b>                 |
| Percent of total manufacturing . . . . .                    | (X)                          | 6.48           | 5.78              | (X)                 | 7.45                              | 5.18                        | (X)                          | 5.12                           |
| Wood product manufacturing . . . . .                        | 321                          | 352            | 11,994            | 34,043              | 281                               | 25,900                      | 92,129                       | 65,440                         |
| Sawmills and wood preservation . . . . .                    | 3211                         | 76             | 2,761             | 36,415              | 63                                | 6,025                       | 96,273                       | 18,882                         |
| Veneer, plywood, and engineered wood product . . . . .      | 3212                         | 63             | 2,297             | 36,565              | 50                                | 4,649                       | 93,585                       | 12,763                         |
| Other wood product . . . . .                                | 3219                         | 214            | 6,936             | 32,460              | 169                               | 15,225                      | 90,166                       | 33,795                         |
| Millwork . . . . .  | 32191                        | 99             | 3,503             | 35,259              | 80                                | 7,687                       | 96,550                       | 17,361                         |
| Wood container and pallet . . . . .                         | 32192                        | 47             | 1,302             | 27,472              | 38                                | 2,763                       | 72,352                       | 5,894                          |
| All other wood products . . . . .                           | 32199                        | 67             | 2,130             | 31,837              | 51                                | 4,776                       | 93,534                       | 10,540                         |
| Paper manufacturing . . . . .                               | 322                          | 364            | 18,873            | 51,875              | 283                               | 76,531                      | 270,209                      | 161,816                        |
| Pulp, paper, and paperboard mills . . . . .                 | 3221                         | 113            | 7,509             | 66,179              | 91                                | 39,529                      | 435,405                      | 74,495                         |
| Pulp mills . . . . .  | 32211                        | 7              | 465               | 71,378              | 5                                 | 1,859                       | 348,240                      | 4,323                          |
| Paper mills . . . . .                                       | 32212                        | 72             | 4,678             | 64,811              | 59                                | 25,704                      | 438,369                      | 47,066                         |
| Paperboard mills . . . . .                                  | 32213                        | 35             | 2,367             | 68,042              | 27                                | 11,966                      | 446,281                      | 23,106                         |
| Converted paper product . . . . .                           | 3222                         | 250            | 11,364            | 45,392              | 192                               | 37,003                      | 192,278                      | 87,322                         |
| Paperboard container . . . . .                              | 32221                        | 143            | 6,510             | 45,576              | 110                               | 18,413                      | 166,891                      | 47,269                         |
| Paper bag and coated and treated paper . . . . .            | 32222                        | 50             | 2,372             | 47,015              | 38                                | 8,159                       | 214,800                      | 18,288                         |
| Stationery product . . . . .                                | 32223                        | 25             | 974               | 38,771              | 19                                | 2,587                       | 134,440                      | 6,942                          |
| Other converted paper products . . . . .                    | 32229                        | 32             | 1,507             | 47,211              | 25                                | 7,844                       | 315,157                      | 14,823                         |

X Not applicable. <sup>1</sup> North American Industry Classification System, 2007; see text, Section 15. <sup>2</sup> Includes other industries, not shown separately.

Source: U.S. Census Bureau, "Annual Survey of Manufactures, 2009," March 2011, <<http://www.census.gov/manufacturing/asm/index.html>>.

**Table 883. Gross Domestic Product of Natural Resource-Related Industries in Current and Real (2005) Dollars by Industry: 2000 to 2010**

[In billions of dollars (9,951.5 represents \$9,951,500,000,000). Data are based on the 2002 North American Industry Classification System (NAICS); see text, Section 15. Data include nonfactor charges (capital consumption allowances, indirect business taxes, etc.) as well as factor charges against gross product; corporate profits and capital consumption allowances have been shifted from a company to an establishment basis]

| Industry  | Current dollars |                 |                 |                 | Chained (2005) dollars |                 |                 |                 |
|---|-----------------|-----------------|-----------------|-----------------|------------------------|-----------------|-----------------|-----------------|
|   | 2000            | 2005            | 2009            | 2010            | 2000                   | 2005            | 2009            | 2010            |
| <b>All industries, total</b> <sup>1</sup> . . . . .   | <b>9,951.5</b>  | <b>12,638.4</b> | <b>14,119.0</b> | <b>14,660.4</b> | <b>11,226.0</b>        | <b>12,638.4</b> | <b>12,880.6</b> | <b>13,248.2</b> |
| Industries covered . . . . .                          | 294.5           | 405.9           | 450.9           | (NA)            | 427.3                  | 405.9           | 469.4           | (NA)            |
| Percent of all industries . . . . .                   | 3.0             | 3.2             | 3.2             | (NA)            | 3.8                    | 3.2             | 3.6             | (NA)            |
| Agriculture, forestry, fishing, and hunting . . . . . | 95.6            | 127.1           | 133.1           | 154.1           | 103.7                  | 127.1           | 136.2           | 137.3           |
| Farms . . . . .                                       | 73.6            | 102.0           | 104.0           | (NA)            | 83.5                   | 102.0           | 108.5           | (NA)            |
| Forestry, fishing, and related activities . . . . .   | 22.0            | 25.1            | 29.2            | (NA)            | 20.5                   | 25.1            | 26.8            | (NA)            |
| Mining . . . . .                                      | 108.9           | 192.0           | 240.8           | 281.4           | 232.5                  | 192.0           | 263.3           | 271.2           |
| Oil and gas extraction . . . . .                      | 67.5            | 128.6           | 141.7           | (NA)            | 155.0                  | 128.6           | 199.6           | (NA)            |
| Mining, except oil and gas . . . . .                  | 27.8            | 36.3            | 48.9            | (NA)            | 45.4                   | 36.3            | 35.6            | (NA)            |
| Support activities for mining . . . . .               | 13.7            | 27.2            | 50.2            | (NA)            | 29.2                   | 27.2            | 35.4            | (NA)            |
| Timber-related manufacturing . . . . .                | 90.0            | 86.8            | 77.0            | (NA)            | 91.1                   | 86.8            | 69.9            | (NA)            |
| Wood products . . . . .                               | 28.3            | 33.0            | 20.9            | (NA)            | 32.8                   | 33.0            | 27.7            | (NA)            |
| Paper products . . . . .                              | 61.7            | 53.8            | 56.1            | (NA)            | 58.3                   | 53.8            | 42.2            | (NA)            |

NA Not available. <sup>1</sup> Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 2011. See also <[http://www.bea.gov/industry/gdpbyind\\_data.htm](http://www.bea.gov/industry/gdpbyind_data.htm)> .

**Table 884. Forest Land and Timberland by Type of Owner and Region: 2007**

[In thousands of acres (751,228 represents 751,228,000). As of January 1. Forest land is land at least 10 percent stocked by forest trees of any size, including land that formerly had such tree cover and that will be naturally or artificially regenerated. The minimum area for classification of forest land is 1 acre or strips of timber with a crown width of at least 120 feet wide. Timberland is forest land that is producing or is capable of producing crops of industrial wood and that is not withdrawn from timber utilization by statute or administrative regulation]

| Region                                   | Forest land, total | Timberland |         |                 |        |                              |                      |
|--|--------------------|------------|---------|-----------------|--------|------------------------------|----------------------|
|  |                    | Total      | Federal |                 |        | State, county, and municipal | Private <sup>1</sup> |
|  |                    |            | Total   | National forest | Other  |                              |                      |
| Total . . . . .                          | 751,228            | 514,213    | 112,733 | 98,721          | 14,015 | 44,994                       | 356,485              |
| North . . . . .                          | 172,039            | 164,018    | 11,897  | 10,126          | 1,771  | 25,252                       | 126,868              |
| Northeast . . . . .                      | 84,796             | 79,803     | 2,971   | 2,401           | 570    | 9,308                        | 67,523               |
| North Central . . . . .                  | 87,243             | 84,215     | 8,926   | 7,725           | 1,201  | 15,944                       | 59,345               |
| South . . . . .                          | 214,644            | 204,030    | 17,164  | 12,225          | 4,940  | 7,880                        | 178,986              |
| Southeast . . . . .                      | 87,889             | 85,665     | 7,559   | 4,970           | 2,590  | 4,689                        | 73,417               |
| South Central . . . . .                  | 126,756            | 118,365    | 9,605   | 7,255           | 2,350  | 3,191                        | 105,569              |
| Rocky Mountains . . . . .                | 150,661            | 70,968     | 48,612  | 45,386          | 3,228  | 3,185                        | 19,169               |
| Great Plains . . . . .                   | 5,757              | 5,287      | 1,294   | 1,056           | 239    | 198                          | 3,795                |
| Intermountain . . . . .                  | 144,905            | 65,681     | 47,318  | 44,330          | 2,989  | 2,987                        | 15,374               |
| Pacific Coast . . . . .                  | 213,883            | 75,197     | 35,060  | 30,984          | 4,076  | 8,677                        | 31,462               |
| Alaska . . . . .                         | 126,869            | 11,865     | 4,750   | 3,772           | 978    | 4,344                        | 2,771                |
| Pacific Northwest . . . . .              | 52,449             | 43,489     | 20,403  | 17,937          | 2,466  | 3,704                        | 19,383               |
| Pacific Southwest <sup>2</sup> . . . . . | 34,565             | 19,843     | 9,907   | 9,275           | 632    | 629                          | 9,308                |

<sup>1</sup> Includes Indian lands. <sup>2</sup> Includes Hawaii.

Source: U.S. Forest Service, "RPA Assessment Tables," 2007, <<http://www.fs.fed.us/research/rpa/>>.

**Table 885. National Forest System Lands by State: 2010**

[In thousands of acres (246,322 represents 246,322,000). As of September 30, 2010. Data do not include Delaware, District of Columbia, Iowa, Maryland, Massachusetts, New Jersey, or Rhode Island]

| State            | National Forest System lands |                           |                          | State    | National Forest System lands |                           |                          |
|------------------|------------------------------|---------------------------|--------------------------|----------|------------------------------|---------------------------|--------------------------|
|                  | Total lands                  | System lands <sup>1</sup> | Other lands <sup>2</sup> |          | Total lands                  | System lands <sup>1</sup> | Other lands <sup>2</sup> |
| <b>U.S. ....</b> | <b>246,322</b>               | <b>206,554</b>            | <b>39,768</b>            | NE ..... | 442                          | 352                       | 90                       |
| AL .....         | 1,288                        | 670                       | 618                      | NV ..... | 6,255                        | 5,746                     | 509                      |
| AK .....         | 24,358                       | 21,956                    | 2,402                    | NH ..... | 829                          | 736                       | 93                       |
| AZ .....         | 11,892                       | 11,265                    | 627                      | NM ..... | 10,455                       | 9,418                     | 1,037                    |
| AR .....         | 3,553                        | 2,599                     | 954                      | NY ..... | 16                           | 16                        | —                        |
| CA .....         | 24,444                       | 20,822                    | 3,622                    | NC ..... | 3,166                        | 1,256                     | 1,910                    |
| CO .....         | 16,021                       | 14,521                    | 1,500                    | ND ..... | 1,110                        | 1,106                     | 4                        |
| CT .....         | 24                           | 24                        | —                        | OH ..... | 834                          | 241                       | 593                      |
| FL .....         | 1,435                        | 1,176                     | 259                      | OK ..... | 815                          | 461                       | 354                      |
| GA .....         | 1,858                        | 867                       | 991                      | OR ..... | 17,582                       | 15,688                    | 1,894                    |
| HI .....         | 1                            | 1                         | —                        | PA ..... | 743                          | 513                       | 230                      |
| ID .....         | 21,659                       | 20,465                    | 1,194                    | SC ..... | 1,379                        | 631                       | 748                      |
| IL .....         | 924                          | 298                       | 626                      | SD ..... | 2,369                        | 2,017                     | 352                      |
| IN .....         | 644                          | 203                       | 441                      | TN ..... | 1,276                        | 718                       | 558                      |
| KS .....         | 116                          | 108                       | 8                        | TX ..... | 1,994                        | 755                       | 1,239                    |
| KY .....         | 2,208                        | 814                       | 1,394                    | UT ..... | 9,213                        | 8,207                     | 1,006                    |
| LA .....         | 1,024                        | 604                       | 420                      | VT ..... | 823                          | 400                       | 423                      |
| ME .....         | 94                           | 54                        | 40                       | VA ..... | 3,223                        | 1,664                     | 1,559                    |
| MI .....         | 4,894                        | 2,876                     | 2,018                    | WA ..... | 10,114                       | 9,289                     | 825                      |
| MN .....         | 5,467                        | 2,842                     | 2,625                    | WV ..... | 1,897                        | 1,044                     | 853                      |
| MS .....         | 2,318                        | 1,174                     | 1,144                    | WI ..... | 2,023                        | 1,534                     | 489                      |
| MO .....         | 16,491                       | 14,923                    | 1,568                    | WY ..... | 9,707                        | 9,242                     | 465                      |
| MT .....         | 19,141                       | 17,083                    | 2,058                    | PR ..... | 56                           | 28                        | 28                       |
|                  |                              |                           |                          | VI ..... | 147                          | 147                       | —                        |

— Represents zero. <sup>1</sup> National Forest System is a national significant system of federally owned units of forest, range, and related land consisting of national forests, purchase units, national grasslands, land utilization project areas, experimental forest areas, experimental range areas, designated experimental areas, other land areas; water areas, and interests in lands that are administered by USDA Forest Service or designated for administration through the Forest Service. <sup>2</sup> Other lands are lands within the unit boundaries in private, state, county, and municipal ownership and the federal lands over which the Forest Service has no jurisdiction. Also includes lands offered to the United States and approved for acquisition and subsequent Forest Service administration, but to which title has not yet been accepted by the United States.

Source: U.S. Forest Service, U.S. Timber Production, *Trade, Consumption, and Price Statistics*, Research Paper RP-FPL-637, and unpublished data. See also <<http://www.treesearch.fs.fed.us/pubs/28972>>.

**Table 886. Timber Volume, Growth, and Removal on Timberland by Species, Group, and Region: 2007**

[932,096 represents 932,096,000,000]

| Region                               | Net volume <sup>1</sup>                      |                |                |  |            |            | Timber growth <sup>4</sup> |               |               | Timber removals <sup>5</sup> |              |              |
|--------------------------------------|--|----------------|----------------|--|------------|------------|----------------------------|---------------|---------------|------------------------------|--------------|--------------|
|                                      | Growing stock <sup>2</sup><br>(mil. cu. ft.) |                |                | Sawtimber <sup>3</sup><br>(bil. board ft.) |            |            | All species                |               |               | All species                  |              |              |
|                                      | All species                                  | Softwoods      | Hardwoods      | All species                                | Softwoods  | Hardwoods  | All species                | Softwoods     | Hardwoods     | All species                  | Softwoods    | Hardwoods    |
| <b>Total. ....</b>                   | <b>932,096</b>                               | <b>529,203</b> | <b>402,893</b> | <b>1,013</b>                               | <b>558</b> | <b>455</b> | <b>26,744</b>              | <b>15,241</b> | <b>11,503</b> | <b>15,533</b>                | <b>9,859</b> | <b>5,675</b> |
| North .....                          | 248,007                                      | 55,866         | 192,141        | 268  | 60         | 209        | 6,576                      | 1,489         | 5,087         | 2,820                        | 677          | 2,143        |
| Northeast .....                      | 137,585                                      | 34,252         | 103,333        | 146  | 37         | 109        | 3,249                      | 836           | 2,412         | 1,169                        | 353          | 815          |
| North Central .....                  | 110,422                                      | 21,614         | 88,808         | 122  | 23         | 99         | 3,327                      | 652           | 2,675         | 1,651                        | 324          | 1,328        |
| South .....                          | 288,522                                      | 118,471        | 170,051        | 325  | 123        | 202        | 13,272                     | 7,632         | 5,640         | 9,696                        | 6,317        | 3,379        |
| Southeast .....                      | 126,747                                      | 56,722         | 70,025         | 143  | 58         | 84         | 6,115                      | 3,876         | 2,239         | 4,306                        | 2,961        | 1,345        |
| South Central .....                  | 161,775                                      | 61,749         | 100,026        | 182  | 64         | 118        | 7,157                      | 3,756         | 3,401         | 5,391                        | 3,357        | 2,034        |
| Rocky Mountains .....                | 137,263                                      | 124,809        | 12,454         | 159  | 144        | 15         | 1,761                      | 1,577         | 184           | 543                          | 521          | 22           |
| Great Plains .....                   | 4,539  | 1,641          | 2,898          | 7  | 2          | 5          | 72                         | 27            | 45            | 41                           | 25           | 16           |
| Intermountain .....                  | 132,724                                      | 123,168        | 9,556          | 153  | 142        | 11         | 1,689                      | 1,550         | 139           | 502                          | 496          | 6            |
| Pacific Coast .....                  | 258,304                                      | 230,057        | 28,247         | 261  | 232        | 29         | 5,135                      | 4,543         | 593           | 2,474                        | 2,344        | 131          |
| Alaska .....                         | 31,998                                       | 29,125         | 2,873          | 34   | 31         | 3          | 248                        | 130           | 118           | 66                           | 59           | 7            |
| Pacific Northwest .....              | 158,896                                      | 146,006        | 12,890         | 159  | 146        | 13         | 3,340                      | 3,039         | 301           | 1,939                        | 1,818        | 121          |
| Pacific Southwest <sup>6</sup> ..... | 67,410                                       | 54,926         | 12,484         | 68   | 55         | 13         | 1,548                      | 1,374         | 174           | 469                          | 466          | 3            |

<sup>1</sup> As of January 1. <sup>2</sup> Live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches in diameter or larger at 4 1/2 feet above ground. <sup>3</sup> Live trees of commercial species containing at least one 12-foot sawlog or two noncontiguous 8-foot logs, and meeting regional specifications for freedom from defect. Softwood trees must be at least 9.0 inches in diameter and hardwood trees must be at least 11.0-inches in diameter at 4 1/2 feet above ground. <sup>4</sup> The net increase in the volume of trees during a specified year. Components include the increment in net volume of trees at the beginning of the specific year surviving to its end, plus the net volume of trees reaching the minimum size class during the year, minus the volume of trees that died during the year, and minus the net volume of trees that became cull trees during the year. <sup>5</sup> The net volume of trees removed from the inventory during a specified year by harvesting, cultural operations such as timber stand improvement, or land clearing. <sup>6</sup> Includes Hawaii.

Source: U.S. Forest Service, "RPA Assessment Tables," 2007, <<http://www.fs.fed.us/research/rpa/>>.

**Table 887. Timber Removals—Roundwood Product Output by Source and Species Group: 2006**

[In million cubic feet (14,990 represents 14,990,000,000)]

| Source and species group         | Total         | Sawlogs      | Pulpwood     | Veneer logs  | Other products <sup>1</sup> | Fuelwood <sup>2</sup> |
|----------------------------------|---------------|--------------|--------------|--------------|-----------------------------|-----------------------|
| <b>Total</b> .....               | <b>14,990</b> | <b>7,179</b> | <b>4,394</b> | <b>1,211</b> | <b>798</b>                  | <b>1,408</b>          |
| Softwoods .....                  | 9,948         | 5,289        | 2,634        | 1,068        | 479                         | 477                   |
| Hardwoods .....                  | 5,042         | 1,890        | 1,760        | 143          | 319                         | 931                   |
| Growing stock <sup>3</sup> ..... | 13,002        | 6,781        | 3,872        | 1,156        | 703                         | 490                   |
| Softwoods .....                  | 8,897         | 5,030        | 2,345        | 1,020        | 417                         | 86                    |
| Hardwoods .....                  | 4,105         | 1,752        | 1,527        | 136          | 286                         | 404                   |
| Other sources <sup>4</sup> ..... | 1,988         | 398          | 522          | 55           | 95                          | 918                   |
| Softwoods .....                  | 1,051         | 260          | 289          | 48           | 63                          | 391                   |
| Hardwoods .....                  | 937           | 138          | 233          | 7            | 33                          | 526                   |

<sup>1</sup> Includes such items as cooperage, pilings, poles, posts, shakes, shingles, board mills, charcoal, and export logs. <sup>2</sup> Downed and dead wood volume left on the ground after trees have been cut on timberland. <sup>3</sup> Includes live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches in diameter or larger at 4 1/2 feet above the ground. <sup>4</sup> Includes salvable dead trees, rough and rotten trees, trees of noncommercial species, trees less than 5.0-inches in diameter at 4 1/2 feet above the ground, tops, and roundwood harvested from nonforest land (for example, fence rows).

Source: U.S. Forest Service, "RPA Assessment Tables," 2007, <<http://www.fs.fed.us/research/rpa/>>.

**Table 888. Timber Products—Production, Foreign Trade, and Consumption by Type of Product: 1990 to 2010**

[In millions of cubic feet, roundwood equivalent (15,577 represents 15,577,000,000)]

| Type of Product                   | 1990         | 1995         | 2000         | 2003         | 2004         | 2005         | 2006         | 2007         | 2008         | 2009         | 2010         |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Industrial roundwood:</b>      |              |              |              |              |              |              |              |              |              |              |              |
| Domestic production .....         | 15,577       | 15,537       | 15,436       | 14,571       | 15,139       | 15,465       | 14,836       | 13,932       | 12,493       | 11,264       | 11,933       |
| Softwoods .....                   | 10,968       | 10,191       | 10,201       | 10,290       | 10,710       | 11,002       | 10,413       | 9,566        | 8,389        | 7,213        | 7,302        |
| Hardwoods .....                   | 4,609        | 5,347        | 5,235        | 4,282        | 4,428        | 4,463        | 4,423        | 4,366        | 4,104        | 4,052        | 4,631        |
| Imports .....                     | 3,091        | 3,907        | 4,529        | 5,096        | 5,805        | 5,802        | 5,292        | 4,147        | 3,065        | 1,986        | 1,722        |
| Exports .....                     | 2,307        | 2,282        | 1,996        | 1,535        | 1,604        | 1,646        | 1,596        | 1,481        | 1,517        | 1,248        | 1,291        |
| Consumption .....                 | 16,361       | 17,161       | 17,969       | 18,132       | 19,339       | 19,622       | 18,841       | 16,598       | 14,041       | 12,002       | 13,279       |
| Softwoods .....                   | 11,779       | 11,961       | 12,659       | 13,398       | 14,357       | 14,652       | 13,732       | 12,009       | 9,845        | 7,941        | 8,451        |
| Hardwoods .....                   | 4,582        | 5,200        | 5,310        | 4,734        | 4,983        | 4,970        | 4,799        | 4,589        | 4,197        | 4,062        | 4,728        |
| <b>Lumber:</b>                    |              |              |              |              |              |              |              |              |              |              |              |
| Domestic production .....         | 7,317        | 6,815        | 7,199        | 7,131        | 7,510        | 7,889        | 7,552        | 6,964        | 5,928        | 5,020        | 4,800        |
| Imports .....                     | 1,909        | 2,522        | 2,845        | 3,193        | 3,704        | 3,737        | 3,415        | 2,743        | 1,922        | 1,336        | 1,440        |
| Exports .....                     | 589          | 460          | 428          | 347          | 348          | 389          | 390          | 359          | 345          | 272          | 224          |
| Consumption .....                 | 8,637        | 8,877        | 9,616        | 9,977        | 10,866       | 11,237       | 10,577       | 9,347        | 7,506        | 6,084        | 5,906        |
| <b>Plywood and veneer:</b>        |              |              |              |              |              |              |              |              |              |              |              |
| Domestic production .....         | 1,423        | 1,303        | 1,187        | 1,054        | 1,086        | 1,068        | 1,003        | 912          | 743          | 617          | 177          |
| Imports .....                     | 97           | 107          | 155          | 240          | 354          | 373          | 339          | 265          | 185          | 177          | 104          |
| Exports .....                     | 109          | 89           | 42           | 35           | 43           | 37           | 35           | 40           | 45           | 37           | 58           |
| Consumption .....                 | 1,410        | 1,321        | 1,300        | 1,259        | 1,397        | 1,403        | 1,308        | 1,136        | 882          | 757          | 780          |
| <b>Pulp products:</b>             |              |              |              |              |              |              |              |              |              |              |              |
| Domestic production .....         | 5,313        | 6,079        | 5,881        | 5,557        | 5,692        | 5,679        | 5,470        | 5,176        | 4,926        | 4,818        | 4,841        |
| Imports .....                     | 1,038        | 1,248        | 1,459        | 1,579        | 1,669        | 1,570        | 1,440        | 1,071        | 918          | 434          | 566          |
| Exports .....                     | 646          | 905          | 842          | 643          | 680          | 708          | 681          | 526          | 556          | 423          | 492          |
| Consumption .....                 | 5,704        | 6,422        | 6,498        | 6,493        | 6,680        | 6,541        | 6,229        | 5,721        | 5,288        | 4,829        | 4,915        |
| <b>Logs:</b>                      |              |              |              |              |              |              |              |              |              |              |              |
| Imports .....                     | 4            | 13           | 68           | 80           | 73           | 114          | 94           | 67           | 35           | 29           | 32           |
| Exports .....                     | 674          | 451          | 331          | 356          | 366          | 345          | 339          | 350          | 313          | 321          | 407          |
| Pulpwood chips, exports .....     | 288          | 377          | 353          | 155          | 168          | 166          | 151          | 205          | 257          | 195          | 195          |
| <b>Fuelwood consumption .....</b> | <b>3,019</b> | <b>2,937</b> | <b>2,561</b> | <b>1,515</b> | <b>1,540</b> | <b>1,550</b> | <b>1,555</b> | <b>1,605</b> | <b>1,510</b> | <b>1,400</b> | <b>1,134</b> |

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics*, Research Paper RP-FPL-637, and unpublished data. See also <<http://www.treesearch.fs.fed.us/pubs/28972>>.

**Table 889. Selected Timber Products—Imports and Exports: 1990 to 2010**

[In million board feet (13,063 represents 13,063,000,000), except as indicated]

| Product                      | Unit                      | 1990   | 1995   | 2000   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   |
|------------------------------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>IMPORTS</b> <sup>1</sup>  |                           |        |        |        |        |        |        |        |        |        |
| Lumber, total <sup>2</sup>   | Mil. bd. ft.              | 13,063 | 17,524 | 19,906 | 25,738 | 23,037 | 18,906 | 13,042 | 9,172  | 6,101  |
| From Canada                  | Percent                   | 91     | 97     | 92     | 85     | 86     | 89     | 72     | 54     | 93     |
| Logs, total                  | Mil. bd. ft. <sup>3</sup> | 23     | 80     | 435    | 710    | 585    | 418    | 253    | 179    | 198    |
| From Canada                  | Percent                   | 84     | 70     | 96     | 85     | 85     | 91     | (NA)   | (NA)   | (NA)   |
| Paper and board <sup>4</sup> | 1,000 tons                | 12,195 | 14,292 | 17,555 | 20,438 | 20,293 | 18,634 | 16,872 | 12,133 | 11,546 |
| Woodpulp                     | 1,000 tons                | 4,893  | 5,969  | 7,227  | 6,762  | 6,939  | 6,793  | 6,272  | 5,044  | 6,136  |
| Plywood                      | Mil. sq. ft. <sup>5</sup> | 1,687  | 1,951  | 2,917  | 6,325  | 6,324  | 4,969  | 3,722  | 2,778  | 3,350  |
| <b>EXPORTS</b>               |                           |        |        |        |        |        |        |        |        |        |
| Lumber, total                | Mil. bd. ft.              | 4,623  | 2,958  | 2,700  | 2,348  | 2,359  | 2,193  | 2,148  | 1,690  | 2,133  |
| To: Canada                   | Percent                   | 14     | 22     | 26     | 28     | 28     | 27     | 27     | 27     | 26     |
| Japan                        | Percent                   | 28     | 33     | 12     | 3      | 4      | 4      | 5      | 4      | —      |
| Europe                       | Percent                   | 15     | 17     | 19     | 15     | 16     | 16     | 5      | 7      | —      |
| Logs, total                  | Mil. bd. ft. <sup>3</sup> | 4,213  | 2,820  | 2,068  | 2,157  | 2,120  | 2,189  | 2,240  | 2,005  | 2,541  |
| To: Canada                   | Percent                   | 9      | 25     | 41     | 54     | 52     | 34     | 33     | 32     | 27     |
| Japan                        | Percent                   | 62     | 61     | 45     | 27     | 26     | 26     | 28     | 28     | 16     |
| China                        | Percent                   | 9      | 1      | —      | 4      | 5      | 7      | 9      | 12     | 30     |
| Paper and board <sup>4</sup> | 1,000 tons                | 5,163  | 7,621  | 10,003 | 13,434 | 13,349 | 14,582 | 12,907 | 12,569 | 13,185 |
| Woodpulp                     | 1,000 tons                | 5,905  | 8,261  | 6,409  | 6,413  | 6,606  | 6,831  | 7,790  | 7,519  | 8,265  |
| Plywood                      | Mil. sq. ft. <sup>5</sup> | 1,766  | 1,517  | 754    | 568    | 749    | 501    | 621    | 473    | 418    |

— Represents zero. NA Not available. <sup>1</sup> Customs value of imports; see text, Section 28. <sup>2</sup> Includes railroad ties. <sup>3</sup> Log scale.<sup>4</sup> Includes paper and board products. Excludes hardboard. <sup>5</sup> 3/8 inch basis.Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics*, Research Paper RP-FPL-637, and unpublished data. See also <<http://www.treesearch.fs.fed.us/pubs/28972>>.**Table 890. Lumber Consumption by Species Group and End Use: 1995 to 2010**

[In billion board feet (59.3 represents 59,300,000,000), except per capita in board feet. Per capita consumption based on estimated resident population as of July 1]

| Item   | 1995        | 2000        | 2002        | 2003        | 2004        | 2005        | 2006        | 2007        | 2008        | 2009        | 2010        |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Consumption, total</b>                    | <b>59.3</b> | <b>66.1</b> | <b>67.5</b> | <b>67.0</b> | <b>73.1</b> | <b>75.6</b> | <b>71.3</b> | <b>62.7</b> | <b>49.7</b> | <b>40.3</b> | <b>39.6</b> |
| Per capita                                   | 225         | 240         | 235         | 230         | 249         | 255         | 238         | 208         | 163         | 131         | 129         |
| <b>SPECIES GROUP</b>                         |             |             |             |             |             |             |             |             |             |             |             |
| Softwoods                                    | 47.6        | 54.0        | 56.4        | 56.5        | 62.0        | 64.4        | 60.4        | 52.6        | 40.7        | 31.2        | 33.1        |
| Hardwoods                                    | 11.7        | 12.2        | 11.1        | 10.5        | 11.1        | 11.2        | 10.9        | 10.2        | 9.0         | 9.1         | 6.5         |
| <b>END USE</b>                               |             |             |             |             |             |             |             |             |             |             |             |
| New housing                                  | 18.1        | 21.1        | 22.5        | 24.0        | 25.4        | 27.7        | 23.8        | 17.5        | 11.2        | (NA)        | (NA)        |
| Residential upkeep and improvements          | 15.0        | 15.3        | 16.4        | 16.2        | 17.6        | 18.3        | 18.6        | 17.8        | 16.1        | (NA)        | (NA)        |
| New nonresidential construction <sup>1</sup> | 4.7         | 5.5         | 4.8         | 4.4         | 4.5         | 4.7         | 5.2         | 4.9         | 5.2         | (NA)        | (NA)        |
| Shipping                                     | 6.9         | 7.6         | 7.1         | 7.0         | 7.7         | 8.1         | 8.6         | 7.9         | 6.8         | (NA)        | (NA)        |
| Other <sup>2</sup>                           | 7.2         | 8.7         | 9.9         | 9.8         | 13.2        | 11.3        | 9.8         | 10.0        | 6.0         | (NA)        | (NA)        |

NA Not available. <sup>1</sup> In addition to new construction, includes railroad ties laid as replacements in existing track and lumber used by railroads for railcar repair. <sup>2</sup> Includes upkeep and improvement of nonresidential buildings and structures; made-at-home projects, such as furniture, boats, and picnic tables; made-on-the-job items such as advertising and display structures; and miscellaneous products and uses.Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics*, Research Paper RP-FPL-637, and unpublished data. See also <<http://www.treesearch.fs.fed.us/pubs/28972>>.**Table 891. Selected Species—Stumpage Prices in Current and Constant (1996) Dollars: 2000 to 2010**

[In dollars per 1,000 board feet. Stumpage prices are based on sales of sawtimber from national forests]

| Species                                 | Current dollars |      |      |      | Constant (1996) dollars <sup>1</sup> |      |      |      |
|---|-----------------|------|------|------|--------------------------------------|------|------|------|
|   | 2000            | 2005 | 2009 | 2010 | 2000                                 | 2005 | 2009 | 2010 |
| <b>Softwoods:</b>                       |                 |      |      |      |                                      |      |      |      |
| Douglas fir <sup>2</sup>                | 433             | 321  | (NA) | (NA) | 397                                  | 260  | (NA) | (NA) |
| Southern pine <sup>3</sup>              | 258             | 193  | 105  | 105  | 237                                  | 157  | 71   | 70   |
| Sugar pine <sup>4</sup>                 | 187             | 114  | 63   | 100  | 172                                  | 93   | 46   | 50   |
| Ponderosa pine <sup>4, 5</sup>          | 155             | 103  | 38   | 30   | 142                                  | 84   | 25   | 22   |
| Western hemlock <sup>6</sup>            | 46              | 70   | (NA) | (NA) | 42                                   | 57   | (NA) | (NA) |
| <b>Hardwoods:</b>                       |                 |      |      |      |                                      |      |      |      |
| All eastern hardwoods <sup>7</sup>      | 341             | 415  | (NA) | (NA) | 313                                  | 337  | (NA) | (NA) |
| Oak, white, red, and black <sup>7</sup> | 258             | 329  | (NA) | (NA) | 237                                  | 267  | (NA) | (NA) |
| Maple, sugar <sup>8</sup>               | 314             | 648  | (NA) | (NA) | 288                                  | 526  | (NA) | (NA) |

NA Not available. <sup>1</sup> Deflated by the producer price index, all commodities. <sup>2</sup> Western Washington and western Oregon.<sup>3</sup> Southern region. <sup>4</sup> Pacific Southwest region (formerly California region). <sup>5</sup> Includes Jeffrey pine. <sup>6</sup> Pacific Northwest region.<sup>7</sup> Eastern and Southern regions. <sup>8</sup> Eastern region.Source: U.S. Forest Service, "RPA Assessment Tables," 2007, <<http://www.fs.fed.us/research/rpa/>>.



**Table 892. Selected Timber Products—Producer Price Indexes: 1990 to 2010**

[1982 = 100. For information about producer prices, see text, Section 14]

| Product  | 1990         | 1995         | 2000         | 2005         | 2006         | 2007         | 2008         | 2009         | 2010         |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Lumber and wood products<sup>1</sup></b>            | <b>129.7</b> | <b>178.1</b> | <b>178.2</b> | <b>196.5</b> | <b>194.4</b> | <b>192.4</b> | <b>191.3</b> | <b>182.8</b> | <b>192.7</b> |
| Lumber   | 124.6        | 173.4        | 178.8        | 198.6        | 188.6        | 174.7        | 163.5        | 149.4        | 167.3        |
| Softwood lumber  | 123.8        | 178.5        | 178.6        | 203.6        | 189.4        | 170.5        | 156.3        | 141.4        | 160.9        |
| Hardwood lumber  | 131.0        | 167.0        | 185.9        | 196.6        | 195.3        | 192.4        | 184.5        | 171.2        | 187.3        |
| Millwork <sup>1</sup>                                  | 130.4        | 163.8        | 176.4        | 197.2        | 201.8        | 201.4        | 204.8        | 205.4        | 206.9        |
| General millwork                                       | 132.0        | 165.4        | 178.0        | 196.1        | 201.3        | 203.9        | 207.7        | 210.3        | 211.1        |
| Prefabricated structural members                       | 122.3        | 163.5        | 175.1        | 206.9        | 206.6        | 189.5        | 189.0        | 181.1        | 185.7        |
| Plywood  | 114.2        | 165.3        | 157.6        | 186.8        | 172.7        | 176.1        | 174.7        | 163.7        | 176.5        |
| Softwood plywood                                       | 119.6        | 188.1        | 173.3        | 223.5        | 190.5        | 197.8        | 193.1        | 171.9        | 196.9        |
| Hardwood plywood and related products                  | 102.7        | 122.2        | 130.2        | 138.1        | (NA)         | (NA)         | (NA)         | (NA)         | (NA)         |
| Other wood products <sup>1</sup>                       | 114.7        | 143.7        | 130.5        | 139.2        | 142.8        | 142.1        | 144.7        | 141.8        | 142.6        |
| Boxes  | 119.1        | 145.0        | 155.2        | 164.9        | 167.2        | 170.3        | 174.6        | 176.5        | 183.1        |
| <b>Pulp, paper, and allied products<sup>1</sup></b>    | <b>141.2</b> | <b>172.2</b> | <b>183.7</b> | <b>202.6</b> | <b>209.8</b> | <b>216.9</b> | <b>226.8</b> | <b>225.6</b> | <b>236.8</b> |
| Pulp, paper, and prod., excl. bldg. paper <sup>1</sup> | 132.9        | 163.4        | 161.4        | 169.8        | 178.4        | 186.7        | 199.1        | 194.1        | 206.6        |
| Woodpulp   | 151.3        | 183.2        | 145.3        | 138.0        | 144.1        | 161.5        | 171.4        | 150.2        | 186.0        |
| Wastepaper   | 138.9        | 371.1        | 282.5        | 230.9        | 234.8        | 368.7        | 372.5        | 237.0        | 420.2        |
| Paper <sup>1</sup>                                     | 128.8        | 159.0        | 149.8        | 159.6        | 167.4        | 169.3        | 184.3        | 179.6        | 182.2        |
| Writing and printing papers                            | 129.1        | 158.4        | 146.6        | 156.1        | 162.8        | 166.7        | 181.6        | 180.5        | 179.5        |
| Newsprint  | 119.6        | 161.8        | 127.5        | 138.5        | 151.8        | 131.6        | 148.0        | 126.4        | 126.1        |
| Paperboard   | 135.7        | 183.1        | 176.7        | 175.5        | 192.0        | 201.7        | 217.9        | 207.2        | 225.3        |
| Converted paper and paperboard products <sup>1</sup>   | 135.2        | 157.0        | 162.7        | 176.1        | 184.1        | 187.8        | 199.2        | 202.9        | 208.7        |
| Office supplies and accessories                        | 121.4        | 134.9        | 133.8        | 143.1        | 146.2        | 151.0        | 158.3        | 158.9        | 159.8        |
| Building paper & building board mill prods.            | 112.2        | 144.9        | 138.8        | 184.9        | 173.0        | 155.2        | 163.9        | 156.5        | 183.2        |

NA Not available. <sup>1</sup> Includes other products not shown separately.Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly.**Table 893. Pulpwood Consumption, Woodpulp Production, and Paper and Board Production and Consumption: 1995 to 2010**

[Revised to match data from American Forest and Paper Association and American Pulpwood Association]

| Item                              | Unit                     | 1995   | 2000    | 2004   | 2005    | 2006    | 2007   | 2008   | 2009   | 2010   |
|-----------------------------------|--------------------------|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Pulpwood consumption <sup>1</sup> | 1,000 cords <sup>2</sup> | 97,052 | 95,904  | 87,110 | 88,595  | 86,284  | 84,076 | 77,442 | 70,401 | 72,321 |
| Woodpulp production <sup>3</sup>  | 1,000 tons               | 67,103 | 62,758  | 54,301 | 60,267  | 60,568  | 56,636 | 52,899 | 44,990 | 52,607 |
| Paper and board: <sup>4</sup>     |                          |        |         |        |         |         |        |        |        |        |
| Production                        | 1,000 tons               | 89,509 | 94,491  | 83,612 | 91,031  | 91,800  | 91,570 | 87,619 | 71,219 | 82,469 |
| Consumption                       |                          |        |         |        |         |         |        |        |        |        |
| or new supply <sup>5</sup>        | 1,000 tons               | 96,126 | 103,147 | 95,068 | 101,864 | 102,948 | 99,825 | 93,640 | 79,141 | 84,968 |
| Per capita                        | Pounds                   | 731    | 731     | 627    | 687     | 688     | 661    | 613    | 515    | 548    |

<sup>1</sup> Includes changes in stocks. <sup>2</sup> One cord equals 128 cubic feet. <sup>3</sup> Excludes defibrated and exploded woodpulp used for hard pressed board. <sup>4</sup> Excludes hardboard. <sup>5</sup> Production plus imports, minus exports (excludes products); changes in inventories not taken into account.Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption and Price Statistics*, Research Paper FP-FPL-637, and unpublished data. See also <<http://www.treesearch.fs.fed.us/pubs/28972>>.**Table 894. Paper and Paperboard—Production and New Supply: 1990 to 2009**

[In millions of short tons (80.45 represents 80,450,000). 1 short ton = 2,000 lbs.]

| Item  | 1990         | 1995         | 2000          | 2004          | 2005          | 2006          | 2007         | 2008         | 2009         |
|---|--------------|--------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|
| <b>Production, total</b>                          | <b>80.45</b> | <b>91.33</b> | <b>96.05</b>  | <b>93.41</b>  | <b>92.61</b>  | <b>93.72</b>  | <b>92.96</b> | <b>88.45</b> | <b>79.06</b> |
| Paper, total                                      | 39.36        | 42.87        | 45.52         | 41.82         | 41.40         | 41.81         | 41.27        | 38.96        | 33.81        |
| Paperboard, total                                 | 39.32        | 46.64        | 48.97         | 50.08         | 49.71         | 50.41         | 50.40        | 48.45        | 44.49        |
| Unbleached kraft                                  | 20.36        | 22.70        | 21.80         | 22.67         | 22.58         | 23.41         | 23.54        | 22.17        | 20.55        |
| Semichemical                                      | 5.64         | 5.66         | 5.95          | 6.53          | 6.41          | 6.22          | 6.16         | 5.82         | 5.21         |
| Bleached kraft                                    | 4.40         | 5.30         | 5.44          | 5.65          | 5.66          | 5.71          | 5.81         | 5.71         | 5.29         |
| Recycled  | 8.92         | 12.98        | 15.79         | 15.24         | 15.05         | 15.07         | 14.89        | 14.69        | 13.44        |
| Wet machine board                                 | 0.15         | 0.15         | 0.06          | 0.05          | 0.05          | 0.05          | 0.03         | 0.02         | (NA)         |
| Building paper                                    | 0.81         | 0.81         | 0.64          | 0.58          | 0.57          | 0.56          | 0.54         | 0.44         | (NA)         |
| Insulating board                                  | 0.86         | 0.86         | 0.86          | 0.88          | 0.88          | 0.88          | 0.71         | 0.57         | (NA)         |
| <b>New supply, all grades, excluding products</b> | <b>87.68</b> | <b>98.16</b> | <b>105.02</b> | <b>103.74</b> | <b>101.81</b> | <b>101.69</b> | <b>98.85</b> | <b>91.99</b> | <b>80.62</b> |
| Paper, total                                      | 49.49        | 52.77        | 57.13         | 54.88         | 53.69         | 52.97         | 50.88        | 46.71        | 39.37        |
| Newsprint   | 13.41        | 12.76        | 12.92         | 10.84         | 10.12         | 9.49          | 8.35         | 7.25         | 5.26         |
| Printing/writing papers                           | 25.46        | 29.55        | 32.99         | 32.68         | 31.99         | 31.78         | 31.05        | 28.06        | 23.03        |
| Packaging and ind. conv. papers                   | 4.72         | 4.24         | 4.27          | 4.14          | 4.05          | 4.10          | 4.07         | 4.05         | 3.66         |
| Tissue  | 5.90         | 6.22         | 6.95          | 7.22          | 7.53          | 7.60          | 7.42         | 7.36         | 7.43         |
| Paperboard, total                                 | 36.30        | 43.45        | 46.02         | 47.20         | 46.51         | 47.11         | 46.61        | 44.25        | 40.45        |
| Construction and other                            | 1.90         | 1.95         | 1.88          | 1.66          | 1.61          | 1.62          | 1.36         | 1.03         | 0.79         |

Source: American Forest and Paper Association, Washington, DC, *Monthly Statistical Summary of Paper, Paperboard and Woodpulp*.

**Table 895. Fishery Products—Domestic Catch, Imports, and Disposition: 1990 to 2009**

[Live weight, in millions of pounds (16,349 represents 16,349,000,000). For data on commercial catch for selected countries, see Table 1375, Section 30]

| Item                                       | 1990          | 1995          | 2000          | 2004          | 2005          | 2006          | 2007          | 2008          | 2009          |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Total</b> .....                         | <b>16,349</b> | <b>16,484</b> | <b>17,340</b> | <b>20,412</b> | <b>20,612</b> | <b>20,960</b> | <b>20,561</b> | <b>19,199</b> | <b>18,735</b> |
| For human food .....                       | 12,662        | 13,584        | 14,738        | 17,648        | 18,147        | 18,594        | 18,253        | 17,037        | 16,474        |
| For industrial use .....                   | 3,687         | 2,900         | 2,599         | 2,765         | 2,382         | 2,366         | 2,308         | 2,163         | 2,263         |
| <b>Domestic catch</b> .....                | <b>9,404</b>  | <b>9,788</b>  | <b>9,069</b>  | <b>9,683</b>  | <b>9,707</b>  | <b>9,483</b>  | <b>9,309</b>  | <b>8,325</b>  | <b>7,867</b>  |
| For human food .....                       | 7,041         | 7,667         | 6,912         | 7,794         | 7,997         | 7,842         | 7,490         | 6,633         | 6,035         |
| For industrial use .....                   | 2,363         | 2,121         | 2,157         | 1,889         | 1,710         | 1,641         | 1,819         | 1,692         | 1,833         |
| <b>Imports</b> <sup>1</sup> .....          | <b>6,945</b>  | <b>6,696</b>  | <b>8,271</b>  | <b>10,729</b> | <b>10,905</b> | <b>11,477</b> | <b>11,252</b> | <b>10,874</b> | <b>10,868</b> |
| For human food .....                       | 5,621         | 5,917         | 7,828         | 9,854         | 10,158        | 10,752        | 10,763        | 10,404        | 10,439        |
| For industrial use <sup>2</sup> .....      | 1,324         | 779           | 443           | 875           | 747           | 725           | 489           | 471           | 430           |
| <b>Exports</b> <sup>1</sup> .....          | <b>4,627</b>  | <b>5,166</b>  | <b>5,758</b>  | <b>8,203</b>  | <b>8,420</b>  | <b>7,710</b>  | <b>7,057</b>  | <b>6,353</b>  | <b>5,738</b>  |
| For human food .....                       | 3,832         | 4,175         | 4,587         | 6,462         | 6,385         | 6,250         | 5,761         | 5,253         | 4,760         |
| For industrial use <sup>2</sup> .....      | 795           | 991           | 1,171         | 1,741         | 2,035         | 1,459         | 1,296         | 1,100         | 978           |
| <b>Disposition of domestic catch</b> ..... | <b>9,404</b>  | <b>9,788</b>  | <b>9,069</b>  | <b>9,683</b>  | <b>9,707</b>  | <b>9,483</b>  | <b>9,309</b>  | <b>8,325</b>  | <b>7,867</b>  |
| Fresh and frozen .....                     | 6,501         | 7,099         | 6,657         | 7,488         | 7,776         | 7,627         | 7,450         | 6,538         | 6,040         |
| Canned .....                               | 751           | 769           | 530           | 552           | 563           | 573           | 514           | 336           | 392           |
| Cured .....                                | 126           | 90            | 119           | 137           | 160           | 117           | 121           | 138           | 103           |
| Reduced to meal, oil, etc. ....            | 2,026         | 1,830         | 1,763         | 1,506         | 1,208         | 1,166         | 1,224         | 1,313         | 1,332         |

<sup>1</sup> Excludes imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. <sup>2</sup> Fish meal and sea herring.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States*, annual, September 2010. See also <<http://www.st.nmfs.noaa.gov/st1/fus/fus09/index.html>>.

**Table 896. Fisheries—Quantity and Value of Domestic Catch: 1980 to 2009**

[In millions of pounds (6,482 represents 6,482,000,000), except as noted]

| Year       | Quantity (mil. lbs. <sup>1</sup> ) |                |                                  | Average value price per (mil. dol.) lb. (cents) | Year | Quantity (mil. lbs. <sup>1</sup> ) |                |                                  | Average value price per (mil. dol.) lb. (cents) |       |       |
|------------|------------------------------------|----------------|----------------------------------|---|------|------------------------------------|----------------|----------------------------------|---|-------|-------|
|            | Total                              | For human food | industrial products <sup>2</sup> |   |      | Total                              | For human food | industrial products <sup>2</sup> |   |       |       |
|            |                                    |                |                                  |   |      |                                    |                |                                  |   | Value | Value |
| 1980. .... | 6,482                              | 3,654          | 2,828                            | 2,237   | 34.5 | 2002. ....                         | 9,397          | 7,205                            | 2,192   | 3,092 | 32.9  |
| 1985. .... | 6,258                              | 3,294          | 2,964                            | 2,326   | 37.2 | 2003. ....                         | 9,507          | 7,521                            | 1,986   | 3,347 | 35.2  |
| 1990. .... | 9,404                              | 7,041          | 2,363                            | 3,522   | 37.5 | 2004. ....                         | 9,683          | 7,794                            | 1,889   | 3,756 | 38.8  |
| 1995. .... | 9,788                              | 7,667          | 2,121                            | 3,770   | 38.5 | 2005. ....                         | 9,707          | 7,997                            | 1,710   | 3,942 | 40.6  |
| 1998. .... | 9,194                              | 7,173          | 2,021                            | 3,126   | 34.0 | 2006. ....                         | 9,483          | 7,842                            | 1,641   | 4,024 | 42.4  |
| 1999. .... | 9,339                              | 6,832          | 2,507                            | 3,467   | 37.1 | 2007. ....                         | 9,309          | 7,490                            | 1,819   | 4,192 | 45.0  |
| 2000. .... | 9,069                              | 6,912          | 2,157                            | 3,550   | 39.1 | 2008. ....                         | 8,325          | 6,633                            | 1,692   | 4,383 | 52.6  |
| 2001. .... | 9,489                              | 7,311          | 2,178                            | 3,218   | 33.9 | 2009. ....                         | 7,867          | 6,035                            | 1,833   | 3,882 | 49    |

<sup>1</sup> Live weight. <sup>2</sup> Meal, oil, solubles, shell products, bait, and animal food.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States*, annual, September 2010. See also <<http://www.st.nmfs.noaa.gov/st1/fus/fus09/index.html>>.

**Table 897. Domestic Fish and Shellfish Catch and Value by Major Species Caught: 2000 to 2009**

[In thousands (9,068,985 represents 9,068,985,000)]

| Species                                    | Quantity (1,000 lbs.) |                  |                  |                  | Value (\$1,000)  |                  |                  |                  |
|--|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|  | 2000                  | 2005             | 2008             | 2009             | 2000             | 2005             | 2008             | 2009             |
| <b>Total</b> <sup>1</sup> .....            | <b>9,068,985</b>      | <b>9,707,275</b> | <b>8,325,814</b> | <b>7,867,333</b> | <b>3,549,481</b> | <b>3,942,376</b> | <b>4,383,820</b> | <b>3,882,178</b> |
| <b>Fish, total</b> <sup>1</sup> .....      | <b>7,689,661</b>      | <b>8,462,473</b> | <b>7,258,070</b> | <b>6,601,850</b> | <b>1,594,815</b> | <b>1,836,448</b> | <b>2,235,300</b> | <b>1,843,808</b> |
| Cod: Atlantic .....                        | 25,060                | 13,920           | 19,075           | 19,708           | 26,384           | 20,828           | 30,635           | 25,220           |
| Pacific .....                              | 530,505               | 548,746          | 493,952          | 491,143          | 142,330          | 150,738          | 274,160          | 133,714          |
| Flounder .....                             | 412,723               | 419,430          | 663,116          | 575,119          | 109,910          | 135,176          | 184,211          | 153,261          |
| Halibut .....                              | 75,190                | 76,263           | 66,923           | 59,716           | 143,826          | 177,593          | 217,735          | 139,415          |
| Herring, Atlantic .....                    | 160,269               | 215,565          | 173,217          | 224,328          | 9,972            | 20,467           | 21,306           | 26,564           |
| Herring, Pacific .....                     | 74,635                | 87,295           | 86,219           | 88,723           | 12,043           | 13,799           | 23,794           | 29,759           |
| Menhaden .....                             | 1,760,498             | 1,243,723        | 1,341,413        | 1,404,259        | 112,403          | 62,465           | 90,725           | 89,037           |
| Pollock, Alaska .....                      | 2,606,802             | 3,411,307        | 2,276,144        | 1,866,203        | 160,525          | 306,972          | 323,212          | 270,597          |
| Salmon .....                               | 628,638               | 899,457          | 658,342          | 705,202          | 270,213          | 330,699          | 394,595          | 370,052          |
| Tuna .....                                 | 50,779                | 44,316           | 47,903           | 49,064           | 95,176           | 85,922           | 107,013          | 96,434           |
| Whiting (Atlantic, silver) .....           | 26,855                | 16,561           | 13,845           | 17,131           | 11,370           | 8,284            | 7,547            | 8,659            |
| Whiting (Pacific, hake) .....              | 452,718               | 569,381          | 531,418          | 253,062          | 18,809           | 29,145           | 58,559           | 14,105           |
| <b>Shellfish, total</b> <sup>1</sup> ..... | <b>1,379,324</b>      | <b>1,244,802</b> | <b>1,035,042</b> | <b>1,227,646</b> | <b>1,954,666</b> | <b>2,105,928</b> | <b>2,122,284</b> | <b>2,015,992</b> |
| Clams .....                                | 118,482               | 105,640          | 107,772          | 101,137          | 153,973          | 173,655          | 186,718          | 191,074          |
| Crabs .....                                | 299,006               | 299,137          | 325,184          | 326,217          | 405,006          | 415,057          | 562,267          | 485,372          |
| Lobsters: American .....                   | 83,180                | 88,032           | 81,835           | 96,890           | 301,300          | 416,597          | 306,177          | 299,512          |
| Oysters .....                              | 41,146                | 33,963           | 30,162           | 35,571           | 90,667           | 110,679          | 131,590          | 136,493          |
| Scallops, sea .....                        | 32,747                | 56,702           | 53,527           | 58,000           | 164,609          | 433,512          | 369,860          | 382,217          |
| Shrimp .....                               | 332,486               | 260,884          | 256,597          | 301,077          | 690,453          | 406,344          | 441,818          | 370,240          |
| Squid, Pacific .....                       | 259,508               | 126,107          | 82,704           | 203,661          | 27,077           | 31,601           | 25,569           | 56,450           |

<sup>1</sup> Includes other species not shown separately.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States*, annual, September 2010. See also <<http://www.st.nmfs.noaa.gov/st1/fus/fus09/index.html>>.

**Table 898. U.S. Private Aquaculture—Trout and Catfish Production and Value: 1990 to 2010**

[67.8 represents 67,800,000. Data are for calendar year and foodsize fish (those over 12 inches long)]

| Item                              | Unit      | 1990  | 1995  | 2000  | 2005  | 2007  | 2008  | 2009  | 2010  |
|-----------------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>TROUT FOODSIZE</b>             |           |       |       |       |       |       |       |       |       |
| Number sold                       | Mil.      | 67.8  | 60.2  | 58.4  | 55.6  | 58.7  | 40.4  | 40.8  | 38.7  |
| Total weight                      | Mil. lb.  | 56.8  | 55.6  | 59.0  | 59.9  | 66.9  | 52.4  | 48.7  | 45.2  |
| Total value of sales              | Mil. dol. | 64.6  | 60.8  | 63.3  | 63.5  | 79.5  | 72.4  | 67.2  | 63.1  |
| Avg. price received by processors | Dol./lb.  | 1.14  | 1.09  | 1.07  | 1.06  | 1.19  | 1.38  | 1.38  | 1.39  |
| Percent sold to processors        | Percent   | 58    | 68    | 70    | 66    | 64    | 58    | 63    | 64    |
| <b>CATFISH FOODSIZE</b>           |           |       |       |       |       |       |       |       |       |
| Number sold                       | Mil.      | 272.9 | 321.8 | 420.1 | 395.6 | 365.8 | 304.0 | 266.3 | 263.4 |
| Total weight                      | Mil. lb.  | 392.4 | 481.5 | 633.8 | 605.5 | 563.9 | 514.9 | 476.0 | 478.9 |
| Total value of sales              | Mil. dol. | 305.1 | 378.1 | 468.8 | 427.8 | 423.7 | 389.3 | 352.0 | 375.1 |
| Avg. price received by processors | Dol./lb.  | 0.78  | 0.79  | 0.74  | 0.71  | 0.75  | 0.76  | 0.74  | 0.78  |
| Fish sold to processors           | Mil. lb.  | 360.4 | 446.9 | 593.6 | 600.7 | 496.2 | 509.6 | 466.1 | 471.7 |
| Avg. price paid by processors     | Cents/lb. | 75.8  | 78.6  | 75.1  | 72.5  | 76.7  | 77.6  | 77.1  | 0.8   |
| Processor sales                   | Mil. lb.  | 183.1 | 227.0 | 297.2 | 300.0 | 252.5 | 251.2 | 229.2 | 231.6 |
| Avg. price received by processors | Dol./lb.  | 2.24  | 2.40  | 2.36  | 2.29  | 2.44  | 2.44  | 2.53  | 2.50  |
| Inventory (Jan. 1)                | Mil. lb.  | 9.4   | 10.9  | 13.6  | 13.7  | 15.1  | 15.5  | 14.5  | 12.3  |

Source: U.S. Department of Agriculture, National Agricultural Statistics Service, *Trout Production*, February 2011; *Catfish Production*, January 2011; and *Catfish Processing*, February 2011. See also <[http://www.nass.usda.gov/Publications/Reports\\_By\\_Title/index.asp/](http://www.nass.usda.gov/Publications/Reports_By_Title/index.asp/)>. Also in *Agricultural Statistics*, annual.

**Table 899. Supply of Selected Fishery Items: 1990 to 2009**

[In millions of pounds (734 represents 734,000,000). Totals available for U.S. consumption are supply minus exports plus imports. Round weight is the complete or full weight as caught]

| Species           | Unit             | 1990 | 1995 | 2000  | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  |
|-------------------|------------------|------|------|-------|-------|-------|-------|-------|-------|-------|
| Shrimp            | Heads-off weight | 734  | 832  | 1,173 | 1,670 | 1,559 | 1,879 | 1,743 | 1,722 | 1,746 |
| Tuna, canned      | Canned weight    | 856  | 875  | 980   | 874   | 895   | 858   | 812   | 848   | 763   |
| Snow crab         | Round weight     | 37   | 42   | 122   | 168   | 171   | 187   | 208   | 197   | 224   |
| Clams             | Meat weight      | 152  | 144  | 133   | 132   | 120   | 125   | 127   | 121   | 116   |
| Salmon, canned    | Canned weight    | 148  | 147  | 95    | 98    | 123   | 56    | 51    | 26    | 67    |
| American lobster  | Round weight     | 95   | 94   | 125   | 138   | 144   | 150   | 128   | 144   | 159   |
| Spiny lobster     | Round weight     | 89   | 89   | 99    | 93    | 83    | 77    | 78    | 83    | 55    |
| Scallops          | Meat weight      | 74   | 62   | 78    | 94    | 86    | 94    | 92    | 88    | 90    |
| Sardines, canned  | Canned weight    | 61   | 44   | (NA)  | (NA)  | (NA)  | (NA)  | (NA)  | (NA)  | (NA)  |
| Oysters           | Meat weight      | 56   | 63   | 71    | 73    | 65    | 65    | 70    | 54    | 59    |
| King crab         | Round weight     | 19   | 21   | 41    | 52    | 78    | 110   | 134   | 71    | 62    |
| Crab meat, canned | Canned weight    | 9    | 12   | 29    | 56    | 59    | 58    | 66    | 68    | 59    |

NA Not available.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States*, annual, September, 2010. See also <<http://www.st.nmfs.noaa.gov/st1/fus/fus09/index.html>>.

**Table 900. Canned, Fresh, and Frozen Fishery Products—Production and Value: 1990 to 2009**

[In millions of pounds (1,178 represents 1,178,000,000). Fresh fishery products exclude Alaska and Hawaii. Canned fishery products data are for natural pack only]

| Product                                   | Production (mil. lbs.) |              |              |              |            | Value (mil. dol.) |              |              |              |              |
|---|------------------------|--------------|--------------|--------------|------------|-------------------|--------------|--------------|--------------|--------------|
|   | 1990                   | 2000         | 2005         | 2008         | 2009       | 1990              | 2000         | 2005         | 2008         | 2009         |
| <b>Canned, total</b>                      | <b>1,178</b>           | <b>1,747</b> | <b>1,082</b> | <b>1,314</b> | <b>933</b> | <b>1,562</b>      | <b>1,626</b> | <b>1,211</b> | <b>1,422</b> | <b>1,407</b> |
| Tuna                                      | 581                    | 671          | 446          | 474          | 370        | 902               | 856          | 628          | 845          | 757          |
| Salmon                                    | 196                    | 171          | 219          | 124          | 142        | 366               | 288          | 301          | 225          | 322          |
| Clam products                             | 110                    | 127          | 123          | 105          | 100        | 76                | 120          | 127          | 95           | 89           |
| Sardines, Maine                           | 13                     | (Z)          | (NA)         | (NA)         | (NA)       | 17                | (Z)          | (NA)         | (NA)         | (NA)         |
| Shrimp                                    | 1                      | 2            | 1            | (D)          | (D)        | 3                 | 11           | 3            | (D)          | (D)          |
| Crabs                                     | 1                      | (Z)          | (Z)          | (Z)          | (Z)        | 4                 | (Z)          | (Z)          | (Z)          | (Z)          |
| Oysters <sup>2</sup>                      | 1                      | (Z)          | (Z)          | (Z)          | (Z)        | 1                 | 1            | (Z)          | (Z)          | (Z)          |
| Other                                     | 275                    | 776          | 293          | 611          | 321        | 193               | 350          | 152          | 256          | 239          |
| <b>Fish filets and steaks<sup>3</sup></b> | <b>441</b>             | <b>368</b>   | <b>615</b>   | <b>656</b>   | <b>508</b> | <b>843</b>        | <b>823</b>   | <b>1,136</b> | <b>1,392</b> | <b>1,206</b> |
| Cod                                       | 65                     | 56           | 47           | 39           | 36         | 132               | 167          | 116          | 112          | 102          |
| Flounder                                  | 54                     | 27           | 20           | 21           | 18         | 154               | 71           | 65           | 69           | 56           |
| Haddock                                   | 7                      | 6            | 24           | 9            | 14         | 24                | 24           | 89           | 44           | 60           |
| Ocean perch, Atlantic                     | 1                      | (Z)          | 1            | 1            | 1          | 1                 | 1            | 4            | 3            | 3            |
| Rockfish                                  | 33                     | 11           | 3            | 2            | 3          | 53                | 25           | 8            | 4            | 6            |
| Pollock, Atlantic                         | 12                     | 2            | 3            | 3            | 3          | 21                | 4            | 6            | 8            | 8            |
| Pollock, Alaska                           | 164                    | 160          | 383          | 364          | 277        | 174               | 178          | 404          | 450          | 341          |
| Other                                     | 105                    | 106          | 134          | 218          | 156        | 284               | 353          | 444          | 702          | 630          |

D Figure withheld to avoid disclosure pertaining to a specific organization or individual. NA Not available. Z Less than 500,000 pounds or \$500,000. <sup>1</sup> Includes other products not shown separately. <sup>2</sup> Includes oyster specialties. <sup>3</sup> Fresh and frozen.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States*, annual, September 2010. See also <<http://www.st.nmfs.noaa.gov/st1/fus/fus09/index.html>>.

**Table 901. Mineral Industries—Employment, Hours, and Earnings: 1990 to 2010**

[In thousands (680 represents 680,000), except as noted. Based on the Current Employment Statistics Program, see Appendix III]

| Industry and item                           | Unit    | 1990 | 1995 | 2000 | 2005  | 2007  | 2008  | 2009  | 2010  |
|---|---------|------|------|------|-------|-------|-------|-------|-------|
| All mining: <sup>1</sup>                    |         |      |      |      |       |       |       |       |       |
| All employees                               | 1,000   | 680  | 558  | 520  | 562   | 664   | 710   | 643   | 656   |
| Production workers                          | 1,000   | 469  | 391  | 383  | 419   | 497   | 526   | 466   | 484   |
| Avg. weekly hours                           | Number  | 46.1 | 46.8 | 45.5 | 46.4  | 46.2  | 45.3  | 43.5  | 44.8  |
| Avg. weekly earnings                        | Dollars | 630  | 711  | 771  | 884   | 989   | 1,043 | 1037  | 1086  |
| Oil and gas extraction:                     |         |      |      |      |       |       |       |       |       |
| All employees                               | 1,000   | 190  | 152  | 125  | 126   | 146   | 161   | 160   | 159   |
| Production workers                          | 1,000   | 84   | 73   | 67   | 72    | 83    | 89    | 85    | 89    |
| Avg. weekly hours                           | Number  | 44.4 | 43.6 | 41.3 | 44.3  | 41.9  | 41.1  | 40.6  | 39    |
| Avg. weekly earnings                        | Dollars | 591  | 677  | 802  | 856   | 1,015 | 1,120 | 1119  | 1066  |
| Coal mining:                                |         |      |      |      |       |       |       |       |       |
| All employees                               | 1,000   | 136  | 97   | 72   | 74    | 77    | 81    | 82    | 81    |
| Production workers                          | 1,000   | 110  | 78   | 59   | 61    | 68    | 71    | 71    | 70    |
| Avg. weekly hours                           | Number  | 44.7 | 45.7 | 45.6 | 48.5  | 47.9  | 49.0  | 47.8  | 48.4  |
| Avg. weekly earnings                        | Dollars | 822  | 929  | 945  | 1,071 | 1,052 | 1,140 | 1249  | 1366  |
| Metal ore mining:                           |         |      |      |      |       |       |       |       |       |
| All employees                               | 1,000   | 53   | 48   | 38   | 29    | 36    | 40    | 35    | 36    |
| Production workers                          | 1,000   | 43   | 39   | 29   | 22    | 28    | 32    | 28    | 28    |
| Avg. weekly hours                           | Number  | 42.5 | 43.4 | 43.4 | 44.2  | 45.9  | 46.1  | 42.3  | 42.5  |
| Avg. weekly earnings                        | Dollars | 646  | 788  | 871  | 1,001 | 1,077 | 1,195 | 1,095 | 1,158 |
| Nonmetallic minerals mining, and quarrying: |         |      |      |      |       |       |       |       |       |
| All employees                               | 1,000   | 113  | 108  | 115  | 110   | 110   | 105   | 92    | 86    |
| Production workers                          | 1,000   | 85   | 81   | 87   | 84    | 82    | 79    | 71    | 65    |
| Avg. weekly hours                           | Number  | 45.0 | 46.3 | 46.1 | 45.9  | 46.3  | 43.9  | 41.9  | 43.8  |
| Avg. weekly earnings                        | Dollars | 532  | 632  | 722  | 830   | 872   | 839   | 808   | 848   |

<sup>1</sup> Includes other industries not shown separately.

Source: U.S. Bureau of Labor Statistics, Current Employment Statistics, "Employment, Hours, and Earnings—National," <<http://www.bls.gov/ces/home.html>>, accessed May 2011.

**Table 902. Mine Safety: 2000 to 2010**

[Reported injury rates per 200,000 employee hours]

| Item  | All Mines |         |                   | Coal    |         |                   | Metal and non-metal |         |                   |
|---|-----------|---------|-------------------|---------|---------|-------------------|---------------------|---------|-------------------|
|   | 2000      | 2009    | 2010 <sup>1</sup> | 2000    | 2009    | 2010 <sup>1</sup> | 2000                | 2009    | 2010 <sup>1</sup> |
| Number of mines                                 | 14,413    | 14,631  | 14,264            | 2,124   | 2,076   | 1,945             | 12,289              | 12,555  | 12,319            |
| Number of miners                                | 348,548   | 355,720 | 360,563           | 108,098 | 134,089 | 135,415           | 240,450             | 221,631 | 225,148           |
| Fatalities                                      | 85        | 34      | 71                | 38      | 18      | 48                | 47                  | 16      | 23                |
| Fatal injury rate                               | 0.03      | 0.01    | 0.02              | 0.04    | 0.01    | 0.04              | 0.02                | 0.01    | 0.01              |
| All injury rate                                 | 5.13      | 3.01    | 2.81              | 6.64    | 3.69    | 3.42              | 4.45                | 2.54    | 2.38              |
| Coal production (mil. tons)                     | 1,078     | 1,075   | 1,086             | 1,078   | 1,075   | 1,086             | (X)                 | (X)     | (X)               |
| Total mining area inspection hours/mine         | 57        | 59      | 63                | 178     | 238     | 260               | 28                  | 22      | 23                |
| Citations and orders                            | 120,269   | 174,354 | 172,035           | 58,394  | 102,458 | 97,082            | 61,875              | 71,896  | 74,953            |
| S&S <sup>2</sup> citations and orders (percent) | 36        | 32      | 35                | 42      | 33      | 35                | 31                  | 31      | 35                |
| Amount assessed <sup>3</sup> (mil. dol.)        | 24.7      | 137.0   | 146.4             | 12.0    | 96.4    | 97.8              | 12.7                | 40.6    | 48.6              |

X Not applicable. <sup>1</sup> Preliminary. <sup>2</sup> A violation that "significantly and substantially" contributes to the cause and effect of a coal or other mine safety or health hazard. <sup>3</sup> Government penalties or fines.

Source: U.S. Mine Safety and Health Administration, Office of Program Education and Outreach Services, "Mine Safety and Health At a Glance," May 2011, <<http://www.msha.gov/MSHAINFO/FactSheets/MSHAFCT10.HTM>>.

**Table 903. Mining and Primary Metal Production Indexes: 1990 to 2010**

[Index 2007 = 100]

| Industry group                                 | NAICS <sup>1</sup> code | 1990                      | 1995        | 2000         | 2005         | 2006         | 2007         | 2008        | 2009         | 2010         |
|--|-------------------------|---------------------------|-------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|
|  |                         | <b>Mining<sup>2</sup></b> | <b>21</b>   | <b>106.5</b> | <b>104.1</b> | <b>103.0</b> | <b>97.1</b>  | <b>99.5</b> | <b>100.0</b> | <b>100.8</b> |
| Oil and gas extraction <sup>2</sup>            | 211                     | 113.8                     | 110.3       | 107.0        | 97.8         | 98.4         | 100.0        | 100.9       | 106.4        | 110.4        |
| Crude oil and natural gas                      | 211111                  | 115.9                     | 111.2       | 106.9        | 97.9         | 98.4         | 100.0        | 100.9       | 106.4        | 110.3        |
| Coal mining                                    | 2121                    | 94.9                      | 93.4        | 95.8         | 99.0         | 101.6        | 100.0        | 101.7       | 93.2         | 94.0         |
| Metal ore mining                               | 2122                    | 110.1                     | 120.4       | 117.3        | 100.4        | 102.5        | 100.0        | 103.7       | 89.8         | 97.9         |
| Iron ore                                       | 21221                   | 107.5                     | 119.2       | 119.6        | 103.0        | 100.1        | 100.0        | 101.8       | 51.1         | 95.4         |
| Gold ore and silver ore                        | 21222                   | 124.5                     | 133.2       | 148.4        | 107.2        | 105.4        | 100.0        | 96.4        | 92.3         | 99.5         |
| Copper, nickel, lead, and zinc                 | 21223                   | 119.1                     | 136.5       | 119.8        | 96.7         | 100.5        | 100.0        | 108.5       | 98.3         | 93.8         |
| Oil and gas drilling                           | 213111                  | 60.1                      | 52.6        | 67.2         | 83.7         | 96.6         | 100.0        | 104.4       | 61.4         | 82.3         |
| <b>Primary metal manufacturing<sup>2</sup></b> | <b>331</b>              | <b>87.1</b>               | <b>95.5</b> | <b>100.3</b> | <b>95.2</b>  | <b>98.0</b>  | <b>100.0</b> | <b>99.7</b> | <b>69.5</b>  | <b>83.3</b>  |
| Iron and steel                                 | 3311                    | 83.8                      | 93.1        | 97.1         | 94.3         | 98.4         | 100.0        | 106.4       | 63.1         | 87.7         |
| Aluminum                                       | 3313                    | 102.4                     | 98.3        | 104.0        | 106.9        | 105.7        | 100.0        | 92.6        | 74.9         | 77.5         |
| Nonferrous metals <sup>2</sup>                 | 3314                    | 88.7                      | 98.6        | 92.1         | 84.2         | 85.4         | 100.0        | 100.7       | 85.8         | 91.6         |
| Copper   | 33142                   | 155.6                     | 287.4       | 146.2        | 85.9         | 95.8         | 100.0        | 82.2        | 106.0        | 101.8        |

<sup>1</sup> Based on the 2007 North American Industry Classification System (NAICS). <sup>2</sup> Includes other industries not shown separately.

Source: Board of Governors of the Federal Reserve System, *The Statistical Supplement to the Federal Reserve Bulletin*, monthly, and *Industrial Production and Capacity Utilization*, Statistical Release G.17, monthly.

**Table 904. Mineral Production: 1990 to 2010**

[1,029.1 represents 1,029,100,000. Data represent production as measured by mine shipments, mine sales, or marketable production; see Appendix IV]

| Minerals and metals  | Unit                   | 1990    | 2000    | 2008    | 2009             | 2010,<br>est.    |
|--|------------------------|---------|---------|---------|------------------|------------------|
|  |                        |         |         |         |                  |                  |
| <b>FUEL MINERALS</b>   |                        |         |         |         |                  |                  |
| Coal, total <sup>1</sup>                                       | Mil. sh. tons          | 1,029.1 | 1,073.6 | 1,171.8 | 1,074.9          | 1,085.3          |
| Bituminous <sup>1</sup>  | Mil. sh. tons          | 693.2   | 574.3   | 555.3   | 493.7            | (NA)             |
| Subbituminous  | Mil. sh. tons          | 244.3   | 409.2   | 539.1   | 504.7            | (NA)             |
| Lignite  | Mil. sh. tons          | 88.1    | 85.6    | 75.7    | 72.5             | (NA)             |
| Anthracite <sup>1</sup>  | Mil. sh. tons          | 3.5     | 4.6     | 1.7     | 1.9              | (NA)             |
| Natural gas (marketed production)                              | Tril. cu. ft.          | 18.59   | 20.20   | 21.11   | 21.60            | 22.56            |
| Petroleum (crude)  | Mil. bbl. <sup>2</sup> | 2,685   | 2,131   | 1,812   | 1,938            | (NA)             |
| Uranium (recoverable content)                                  | Mil. lb.               | 8.9     | 4.0     | 3.9     | (NA)             | (NA)             |
| <b>NONFUEL MINERALS</b>  |                        |         |         |         |                  |                  |
| Asbestos (sales)   | 1,000 metric tons      | (D)     | 5       | —       | —                | —                |
| Barite, primary, sold/used by producers                        | 1,000 metric tons      | 430     | 392     | 648     | 383              | 670              |
| Boron minerals, sold or used by producers                      | 1,000 metric tons      | 1,090   | 1,070   | (D)     | (D)              | (D)              |
| Bromine, sold or used by producers                             | 1,000 metric tons      | 177     | 228     | (D)     | (D)              | (D)              |
| Cement (excludes Puerto Rico):                                 |                        |         |         |         |                  |                  |
| Portland <sup>3</sup>  | Mil. metric tons       | 67      | 84      | 83      | 62               | 61               |
| Masonry <sup>3</sup>   | Mil. metric tons       | 3       | 4       | 3       | 2                | 2                |
| Clays  | 1,000 metric tons      | 42,900  | 40,800  | 33,200  | 24,500           | 27,000           |
| Diatomite  | 1,000 metric tons      | 631     | 677     | 764     | 575              | 550              |
| Feldspar <sup>4</sup>  | 1,000 metric tons      | 630     | 790     | 650     | <sup>4</sup> 550 | <sup>4</sup> 570 |
| Fluorspar, finished shipments                                  | 1,000 metric tons      | 64      | —       | (NA)    | (NA)             | (NA)             |
| Garnet (industrial)  | 1,000 metric tons      | 47      | 60      | 63      | 46               | 54               |
| Gypsum, crude  | Mil. metric tons       | 15      | 20      | 14      | 9                | 9                |
| Helium <sup>5</sup>  | Mil. cu. meters        | 65      | 98      | 80      | 78               | 77               |
| Lime, sold or used by producers                                | Mil. metric tons       | 16      | 20      | 20      | 16               | 18               |
| Mica, scrap/flake, sold/used by producers                      | 1,000 metric tons      | 109     | 101     | 84      | 50               | 53               |
| Peat, sales by producers                                       | 1,000 metric tons      | 721     | 847     | 648     | 644              | 646              |
| Perlite, processed, sold or used                               | 1,000 metric tons      | 576     | 672     | 434     | 348              | 375              |
| Phosphate rock (marketable)                                    | Mil. metric tons       | 46      | 39      | 30      | 26               | 26               |
| Potash (K <sub>2</sub> O equivalent) sales                     | 1,000 metric tons      | 1,710   | 1,300   | 1,100   | 700              | 900              |
| Pumice & pumicite, producer sales                              | 1,000 metric tons      | 443     | 1,050   | 791     | 410              | 400              |
| Salt, common, sold/used by producers                           | Mil. metric tons       | 37      | 46      | 47      | 46               | 45               |
| Sand & gravel, sold/used by producer:                          | Mil. metric tons       | 855     | 1,148   | 1,070   | 869              | 787              |
| Construction   | Mil. metric tons       | 829     | 1,120   | 1,040   | 844              | 760              |
| Industrial   | Mil. metric tons       | 26      | 28      | 30      | 25               | 27               |
| Silica, sales <sup>6</sup>                                     | Metric tons            | (NA)    | 312     | (D)     | (D)              | (D)              |
| Sodium carbonate (natural, soda ash)                           | 1,000 metric tons      | 9,100   | 10,200  | 11,300  | 9,310            | 10,000           |
| Sodium sulfate (natural and synthetic)                         | 1,000 metric tons      | 349     | (NA)    | 319     | 292              | 300              |
| Stone: <sup>7</sup>  | Mil. metric tons       | 2,230   | 2,810   | 3,240   |                  |                  |
| Crushed and broken   | Mil. metric tons       | 1,110   | 1,560   | 1,440   | 1,170            | 1,150            |
| Dimension <sup>8</sup>   | 1,000 metric tons      | 1,120   | 1,250   | 1,800   | 1,620            | 1,450            |
| Sulfur: Total shipments  | 1,000 metric tons      | 11,500  | 10,700  | 9,430   | 9,670            | 9,800            |
| Sulfur: Frasch mines (shipments)                               | 1,000 metric tons      | 3,680   | 900     | —       | —                | —                |
| Talc and pyrophyllite, crude <sup>9</sup>                      | 1,000 metric tons      | 1,270   | 851     | 706     | 511              | 530              |
| Vermiculite concentrate  | 1,000 metric tons      | 209     | 150     | 100     | 100              | 100              |
| <b>METALS</b>  |                        |         |         |         |                  |                  |
| Antimony ore and concentrate                                   | Metric tons            | (D)     | (D)     | —       | —                | —                |
| Aluminum   | 1,000 metric tons      | 4,048   | 3,668   | 2,658   | 1,727            | 1,720            |
| Bauxite (dried)  | 1,000 metric tons      | (D)     | (NA)    | (NA)    | (NA)             | (NA)             |
| Copper (recoverable content)                                   | 1,000 metric tons      | 1,590   | 1,450   | 1,310   | 1,180            | 1,120            |
| Gold (recoverable content)                                     | Metric tons            | 294     | 353     | 233     | 223              | 230              |
| Iron ore (gross weight) <sup>10</sup>                          | Mil. metric tons       | 57      | 61      | 54      | 28               | 50               |
| Lead (recoverable content)                                     | 1,000 metric tons      | 484     | 449     | 399     | 406              | 385              |
| Magnesium metal  | 1,000 metric tons      | 139     | (D)     | (D)     | (D)              | (D)              |
| Manganiferous ore (gross weight) <sup>11</sup>                 | 1,000 metric ton       | (D)     | —       | (NA)    | —                | —                |
| Mercury <sup>12</sup>  | Metric tons            | (NA)    | (NA)    | (NA)    | (NA)             | (NA)             |
| Molybdenum (concentrate)                                       | 1,000 metric tons      | 62      | 41      | 56      | 48               | 56               |
| Nickel ore (recovered Ni content)                              | 1,000 metric tons      | 330     | —       | —       | —                | —                |
| Palladium metal  | Kilograms              | 5,930   | 10,300  | 11,900  | 12,700           | 11,600           |
| Platinum metal   | Kilograms              | 1,810   | 3,110   | 3,580   | 3,830            | 3,500            |
| Silicon (Si content) <sup>13</sup>                             | 1,000 metric tons      | 418     | 367     | 164     | 139              | 170              |
| Silver (recoverable content)                                   | Metric tons            | 2,120   | 1,860   | 1,230   | 1,250            | 1,280            |
| Titanium concentrate, (TiO <sub>2</sub> content) <sup>14</sup> | 1,000 metric tons      | (D)     | 300     | 200     | 200              | 200              |
| Tungsten ore and concentrate <sup>15</sup>                     | Metric tons            | (D)     | —       | (D)     | (D)              | (D)              |
| Vanadium (recoverable content)                                 | Metric tons            | 2,310   | —       | —       | (D)              | (D)              |
| Zinc (recoverable content)                                     | 1,000 metric tons      | 508     | 796     | 748     | 710              | 699              |

D Withheld to avoid disclosing individual company data. NA Not available. <sup>1</sup> Included with bituminous. <sup>2</sup> 42-gal. bbl.

<sup>3</sup> Excludes Puerto Rico. <sup>4</sup> Excludes attapulgite. <sup>5</sup> Beginning 1995, includes aplite. <sup>6</sup> Refined. <sup>7</sup> Includes grindstones, oilstones, whetstones, and deburring media. Excludes grinding pebbles and tubemill liners. <sup>8</sup> Includes Puerto Rico. <sup>9</sup> Includes only talc after 1990. <sup>10</sup> Represents shipments; includes byproduct ores. <sup>11</sup> From 5 to 35 percent manganiferous ore. <sup>12</sup> Mercury recovered as a byproduct of gold ores only, 1995. <sup>13</sup> 2006–2010 ferrosilicon only; silicon metal withheld to avoid disclosing proprietary data. <sup>14</sup> U.S. production rounded to one significant digit. <sup>15</sup> Content of ore and concentrate.

Source: Nonfuels, through 1994, U.S. Bureau of Mines, thereafter, U.S. Geological Survey, *Minerals Yearbook* and *Mineral Commodity Summaries*, annual, and *Historical Statistics for Mineral Commodities in the United States*; fuels, U.S. Energy Information Administration, *Annual Energy Review*. See also <<http://www.eia.gov/totalenergy/data/annual/index.cfm>>.

**Table 905. Nonfuel Mineral Commodities—Summary: 2010**

[1,720 represents 1,720,000. Preliminary estimates. Average price in dollars per metric tons except as noted. &lt;= Less than]

| Mineral                                       | Unit                | Mineral disposition  |                   |  |                       | Average price per unit (dollars) | Employment (number) |
|---|---------------------|----------------------|-------------------|--|-----------------------|----------------------------------|---------------------|
|   |                     | Production           | Exports           | Net import reliance <sup>1,2</sup> (percent) | Consumption, apparent |                                  |                     |
| Aluminum                                      | 1,000 metric tons   | 1,720                | 1,900             | 38   | 4,610                 | <sup>4</sup> 1.02                | 33,500              |
| Antimony (contained)                          | Metric tons         | <sup>5</sup> —       | 1,900             | 93   | 21,600                | <sup>4</sup> 3.70                | 15                  |
| Asbestos                                      | 1,000 metric tons   | —                    | (A)               | 100  | 1                     | <sup>6</sup> 656                 | (NA)                |
| Barite  | 1,000 metric tons   | 670                  | 20                | 76   | 2,800                 | <sup>6</sup> 54                  | 350                 |
| Bauxite and alumina (metal equivalent)        | 1,000 metric tons   | (NA)                 | 861               | 100  | 2,070                 | <sup>6, 7</sup> 2.77             | (NA)                |
| Beryllium (contained)                         | Metric tons         | 170                  | 40                | 47   | 320                   | <sup>4</sup> 230                 | (NA)                |
| Bismuth (contained)                           | Metric tons         | —                    | 350               | 94   | 910                   | <sup>4</sup> 8.22                | (NA)                |
| Boron (B <sub>2</sub> O <sub>3</sub> content) | 1,000 metric tons   | (D)                  | 250               | <sup>(3, 8)</sup> —                          | (D)                   | <sup>6, 9</sup> 360              | 1,240               |
| Bromine (contained)                           | 1,000 metric tons   | (D)                  | 8                 | <25  | (D)                   | <sup>10, 11</sup> 3.90           | 950                 |
| Cadmium (contained)                           | Metric tons         | <sup>5</sup> 650     | 40                | <sup>(3, 12)</sup> —                         | 572                   | <sup>10, 13</sup> 3.90           | (NA)                |
| Cement  | 1,000 metric tons   | <sup>14</sup> 62,800 | 1,000             | 8  | 69,500                | <sup>6</sup> 92                  | 12,000              |
| Chromium                                      | 1,000 metric tons   | <sup>15</sup> 160    | 200               | 56   | 360                   | <sup>6</sup> 230                 | (NA)                |
| Clays   | 1,000 metric tons   | <sup>17</sup> 27,000 | 4,700             | <sup>(3)</sup> —                             | 23,000                | (NA)                             | 4,870               |
| Cobalt (contained)                            | Metric tons         | <sup>15</sup> 2,000  | 2,800             | 81   | 10,000                | <sup>4</sup> 21                  | (NA)                |
| Copper (mine, recoverable)                    | 1,000 metric tons   | 1,120                | 77                | <sup>5</sup> 30                              | 1,780                 | <sup>4</sup> 3.49                | 8,700               |
| Diamond (industrial)                          | Million carats      | 93                   | 100               | 77   | 546                   | <sup>6</sup> 0.21                | (NA)                |
| Diatomite                                     | 1,000 metric tons   | 550                  | 90                | <sup>(3)</sup> —                             | 460                   | <sup>6</sup> 250                 | 1,020               |
| Feldspar                                      | 1,000 metric tons   | 570                  | 13                | <sup>(3)</sup> —                             | 560                   | <sup>6</sup> 64                  | 570                 |
| Fluorspar                                     | 1,000 metric tons   | (NA)                 | 20                | 100  | 520                   | (NA)                             | (NA)                |
| Garnet (industrial)                           | Metric tons         | 54,000               | 12,300            | 25   | 71,000                | <sup>50</sup> 2,000              | 160                 |
| Gemstones                                     | Million dollars     | 8.5                  | 15,000            | 99   | 4,400                 | (NA)                             | 1,100               |
| Germanium (contained)                         | Kilograms           | 4,600                | 19,500            | 90   | (NA)                  | <sup>10</sup> 940                | 100                 |
| Gold (contained)                              | Metric tons         | 230                  | 380               | 33   | (NA)                  | <sup>19</sup> 1,200              | 9,700               |
| Graphite (crude)                              | 1,000 metric tons   | —                    | 6                 | 100  | 46                    | <sup>6, 20</sup> 667             | (NA)                |
| Gypsum (crude)                                | 1,000 metric tons   | 9,000                | 360               | 15   | 19,400                | <sup>6</sup> 5.5                 | 4,500               |
| Iodine  | Metric tons         | (D)                  | 1,000             | 88   | (D)                   | <sup>10, 21</sup> 24             | 30                  |
| Iron ore (usable)                             | Million metric tons | <sup>22</sup> 50     | 11                | <sup>(3)</sup> —                             | 47                    | <sup>6</sup> 90                  | 4,700               |
| Iron and steel scrap (metal)                  | Million metric tons | 83                   | 19                | <sup>(3)</sup> —                             | 51                    | <sup>6, 23</sup> 335             | 30,000              |
| Iron and steel slag (metal)                   | 1,000 metric tons   | <sup>24</sup> 15     | <0.1              | 10   | 15.0                  | <sup>6</sup> 20                  | 2,100               |
| Lead (contained)                              | 1,000 metric tons   | 385                  | 270               | <sup>(3)</sup> —                             | 1,500                 | <sup>4</sup> 1.06                | 2,940               |
| Lime  | 1,000 metric tons   | 18,000               | 150               | 2  | 18,000                | <sup>6, 25</sup> 105             | 5,000               |
| Magnesium compounds                           | 1,000 metric tons   | 243                  | 16                | 53   | 522                   | (NA)                             | 300                 |
| Magnesium metal                               | 1,000 metric tons   | (D)                  | 16                | 34   | 100                   | <sup>4</sup> 2.60                | 400                 |
| Manganese (gross weight)                      | 1,000 metric tons   | —                    | 18                | 100  | 720                   | <sup>26</sup> 8                  | (NA)                |
| Mercury                                       | Metric tons         | <sup>15</sup> (NA)   | 500               | <sup>(3)</sup> —                             | (NA)                  | <sup>27</sup> 900                | (NA)                |
| Mica, scrap and flake                         | 1,000 metric tons   | 53                   | 7                 | 27   | 73                    | <sup>6</sup> 140                 | (NA)                |
| Molybdenum (contained)                        | Metric tons         | 56,000               | 28,000            | <sup>(3)</sup> —                             | 48,000                | <sup>10</sup> 15.80              | 940                 |
| Nickel (contained) <sup>28</sup>              | Metric tons         | (D)                  | 87,000            | 43   | 229,000               | <sup>2</sup> 9 21,800            | (NA)                |
| Niobium (contained)                           | Metric tons         | —                    | 170               | 100  | 8,300                 | <sup>6</sup> 37,500              | (NA)                |
| Nitrogen (fixed)-ammonia                      | 1,000 metric tons   | 8,300                | 8                 | 43   | 14,700                | <sup>6, 30</sup> 390             | 1,050               |
| Peat  | 1,000 metric tons   | 612                  | 73                | 59   | 1,500                 | <sup>6</sup> 24.80               | 610                 |
| Perlite                                       | 1,000 metric tons   | 375                  | 34                | 25   | 500                   | <sup>6</sup> 52                  | 102                 |
| Phosphate rock                                | 1,000 metric tons   | 26,100               | —                 | 15   | (NA)                  | <sup>6</sup> 50                  | 2,300               |
| Platinum-group metals                         | Kilograms           | <sup>31</sup> 15,100 | 54,000            | <sup>31</sup> 94                             | <sup>3</sup> 2 (NA)   | <sup>19, 33</sup> 1,600          | 1,300               |
| Potash (K <sub>2</sub> O equivalent)          | 1,000 metric tons   | 900                  | 380               | 83   | 5,200                 | <sup>6, 34</sup> 600             | 1,190               |
| Pumice and pumicite                           | 1,000 metric tons   | 400                  | 13                | 7  | 430                   | <sup>6</sup> 30                  | 145                 |
| Salt  | 1,000 metric tons   | 45,000               | 1,000             | 24   | 59,000                | <sup>6, 35</sup> 170             | 4,100               |
| Silicon (contained)                           | 1,000 metric tons   | <sup>36</sup> (D)    | <sup>37</sup> 130 | <sup>36</sup> <50                            | <sup>36</sup> 290     | <sup>39</sup> 110                | (NA)                |
| Silver (contained)                            | Metric tons         | 1,280                | 600               | 65   | 5,850                 | <sup>19</sup> 17.75              | 850                 |
| Sodium carbonate (soda ash)                   | 1,000 metric tons   | 10,000               | 5,000             | <sup>(3)</sup> —                             | 5,000                 | <sup>40</sup> 260                | 2,400               |
| Sodium sulfate                                | 1,000 metric tons   | 300                  | 190               | <sup>(1)</sup> —                             | 170                   | <sup>41</sup> 140                | 225                 |
| Stone (crushed)                               | Million metric tons | 1,150                | 1                 | 1  | 1,190                 | <sup>6</sup> 9.91                | 79,000              |
| Sulfur (all forms)                            | 1,000 metric tons   | 9,900                | 1,270             | 17   | 12,000                | <sup>6, 42</sup> 40              | 2,600               |
| Talc  | 1,000 metric tons   | 530                  | 240               | <sup>(3)</sup> —                             | 460                   | <sup>6</sup> 117                 | 280                 |
| Thallium (contained)                          | Kilograms           | —                    | 850               | 100  | (NA)                  | <sup>10</sup> 5,930              | (NA)                |
| Tin (contained)                               | Metric tons         | <sup>15</sup> 14,100 | 8,400             | 69   | 38,020                | <sup>4</sup> 10.79               | (NA)                |
| Titanium dioxide                              | 1,000 metric tons   | 1,400                | 250               | <sup>(3)</sup> —                             | 786                   | <sup>6, 43</sup> 2,187           | 3,400               |
| Tungsten (contained)                          | Metric tons         | <sup>15</sup> 5,300  | 4,400             | 68   | 14,000                | <sup>44</sup> 180                | (NA)                |
| Vermiculite                                   | 1,000 metric tons   | 100                  | 2                 | 22   | 130                   | <sup>6</sup> 145                 | 80                  |
| Zinc (contained)                              | 1,000 metric tons   | 720                  | 704               | 77   | 901                   | <sup>4, 45</sup> 1.04            | 1,990               |
| Zirconium (ZrO <sub>2</sub> )                 | Metric tons         | (D)                  | 34,000            | <sup>(3)</sup> —                             | (D)                   | <sup>6, 46</sup> 850             | (NA)                |

— Represents or rounds to zero. D Withheld to avoid disclosing company proprietary data. NA Not available. <sup>1</sup> Data are rounded to no more than three significant digits; except prices. <sup>2</sup> Calculated as a percent of apparent consumption. <sup>3</sup> Net exporter. <sup>4</sup> Dollars per pound. <sup>5</sup> Refinery production. <sup>6</sup> Dollars per metric ton. <sup>7</sup> Bauxite, average value U.S. imports (f.a.s.). <sup>8</sup> Boric acid, gross weight. <sup>9</sup> Granulated pentahydrate borax in bulk, f.o.b. mine. <sup>10</sup> Dollars per kilogram. <sup>11</sup> Bulk, purified bromine. <sup>12</sup> Metal only. <sup>13</sup> Average New York dealer price for 99.95% purity in 5-short-ton lots. Source: Platts Metals Week. <sup>14</sup> Excludes Puerto Rico. <sup>15</sup> Secondary production. <sup>16</sup> Unit value of imported chromite ore. Dollars per metric ton gross weight. <sup>17</sup> Excludes atapulgit. <sup>18</sup> Value of imports, dollars per carat. <sup>19</sup> Dollars per troy ounce. <sup>20</sup> Price of flake imports. <sup>21</sup> C.i.f. value, crude, per kilogram. <sup>22</sup> Shipments of usable ore. <sup>23</sup> Delivered, No. 1 Heavy Melting composite price. <sup>24</sup> Sales include imports and reprocessed slag from past years and decades, and only some from current production. <sup>25</sup> Quicklime only. <sup>26</sup> 46%-48% Mn metallurgical ore, per unit contained Mn, c.i.f. U.S. ports. <sup>27</sup> Dollars per 76-pound flask. <sup>28</sup> Primary and secondary materials. <sup>29</sup> London Metal Exchange cash price; dollars per metric ton. <sup>30</sup> F.o.b. Gulf Coast. <sup>31</sup> Platinum and palladium. <sup>32</sup> Platinum. <sup>33</sup> Dealer price of platinum. <sup>34</sup> Price of K<sub>2</sub>O, muriate. <sup>35</sup> Vacuum and open pan, bulk, pellets and packaged, f.o.b. mine and plant. <sup>36</sup> Silicon metal only. <sup>37</sup> Ferrosilicon statistics include: Production (170,000 t), exports (15,000 t), and net import reliance (44%). <sup>38</sup> Ferrosilicon only. <sup>39</sup> Ferrosilicon, 50% Si; cents per pound. <sup>40</sup> Quoted year-end price, dense, bulk, f.o.b. Green River, WY, dollars per short ton. <sup>41</sup> Quoted price, bulk, f.o.b. works, East, dollars per short ton. <sup>42</sup> Elemental sulfur, f.o.b. plant. <sup>43</sup> Year-end. Unit value based on landed-duty-paid U.S. imports for consumption of pigment with 80% or more TiO<sub>2</sub>. <sup>44</sup> Dollars per metric ton unit WO<sub>3</sub> (7.93 kilograms of contained tungsten per metric ton unit). <sup>45</sup> Platts Metals Week North American price for Special High Grade zinc. <sup>46</sup> Price for domestic zircon.

Source: U.S. Geological Survey, Mineral Commodity Summaries, annual, January 2011. See also <http://minerals.er.usgs.gov/minerals/pubs/mcs/s>.

**Table 906. Selected Mineral Products—Average Prices: 1990 to 2010**

[Excludes Alaska and Hawaii except as noted]

| Year      | Nonfuels  |  |                                      |  |                                      |  |  | Fuels                                |   |  |   |  |
|-----------|---|--|--------------------------------------|--|--------------------------------------|--|--|--------------------------------------|---|--|---|--|
|           | Copper, cathode <sup>1</sup><br>(cents per lb.) | Platinum <sup>2</sup><br>(dol./troy oz.) | Gold<br>(dol./troy oz.) <sup>3</sup> | Silver<br>(dol./troy oz.) <sup>3</sup> | Lead <sup>4</sup><br>(cents per lb.) | Nickel <sup>5</sup><br>(cents per pound) | Tin (New York) <sup>5</sup><br>(cents per lb.) | Zinc <sup>6</sup><br>(cents per lb.) | Sulfur, crude <sup>7</sup><br>(dol./metric ton) | Bituminous coal <sup>8</sup><br>(dol./short ton) | Crude petroleum <sup>8</sup><br>(dol./bbl.) | Natural gas <sup>8</sup><br>(dol./1,000 cu. ft.) |
| 1990..... | 123   | 467                                      | 385                                  | 4.82                                   | 46                                   | 402                                      | 386  | 75                                   | 80.14   | 27.43  | 20.03                                       | 1.71   |
| 1995..... | 138   | 425                                      | 386                                  | 5.15                                   | 42                                   | 373                                      | 416  | 56                                   | 44.46   | 25.56  | 14.62                                       | 1.55   |
| 1997..... | 107   | 397                                      | 332                                  | 4.89                                   | 47                                   | 314                                      | 381  | 65                                   | 36.06   | 24.64  | 17.23                                       | 2.32   |
| 1998..... | 79  | 375                                      | 295                                  | 5.54                                   | 45                                   | 210                                      | 373  | 51                                   | 29.14   | 24.87  | 10.87                                       | 1.96   |
| 1999..... | 76  | 379                                      | 280                                  | 5.25                                   | 44                                   | 273                                      | 366  | 53                                   | 37.81   | 23.92  | 15.56                                       | 2.19   |
| 2000..... | 88  | 549                                      | 280                                  | 5.00                                   | 44                                   | 392                                      | 370  | 56                                   | 24.73   | 24.15  | 26.72                                       | 3.69   |
| 2001..... | 77  | 533                                      | 272                                  | 4.39                                   | 44                                   | 270                                      | 315  | 44                                   | 10.01   | 25.36  | 21.84                                       | 4.12   |
| 2002..... | 76  | 543                                      | 311                                  | 4.62                                   | 44                                   | 307                                      | 292  | 39                                   | 11.84   | 26.57  | 22.51                                       | 2.95   |
| 2003..... | 85  | 694                                      | 365                                  | 4.91                                   | 44                                   | 437                                      | 340  | 41                                   | 28.70   | 26.57  | 27.56                                       | 4.98   |
| 2004..... | 134   | 849                                      | 411                                  | 6.69                                   | 55                                   | 627                                      | 547  | 52                                   | 32.62   | 30.56  | 36.77                                       | 5.46   |
| 2005..... | 174   | 900                                      | 446                                  | 7.34                                   | 61                                   | 669                                      | 483  | 67                                   | 30.88   | 36.80  | 50.28                                       | 7.33   |
| 2006..... | 315   | 1,144                                    | 606                                  | 11.61                                  | 77                                   | 1,100                                    | 565  | 159                                  | 32.85   | 39.32  | 59.69                                       | 6.39   |
| 2007..... | 328   | 1,308                                    | 699                                  | 13.43                                  | 124                                  | 1,688                                    | 899  | 154                                  | 36.49   | 40.80  | 66.52                                       | 6.25   |
| 2008..... | 319   | 1,578                                    | 874                                  | 15.02                                  | 120                                  | 957                                      | 1,130  | 89                                   | 245.12  | 51.39  | 94.04                                       | 7.96   |
| 2009..... | 241   | 1,208                                    | 975                                  | 14.69                                  | 87                                   | 665                                      | 837  | 78                                   | 1.68  | 54.25  | 56.39                                       | 3.67   |
| 2010..... | 349   | 1,600                                    | 1,200                                | 17.75                                  | 109                                  | 989                                      | 1,079  | 104                                  | 40.00   | (NA)   | 74.71                                       | 4.16   |

NA Not available. <sup>1</sup> U.S. producer price. <sup>2</sup> Average annual dealer prices. <sup>3</sup> 99.95 percent purity. <sup>4</sup> Nationwide delivered basis. <sup>5</sup> Composite price. <sup>6</sup> Platt's Metals Week price for North American Special High Grade zinc. Average prices for 1990 are for U.S. High Grade Zinc. <sup>7</sup> F.o.b. (Free on Board) works. <sup>8</sup> Average value at the point of production or domestic first purchase price.

Source: Nonfuels, 1990, U.S. Bureau of Mines, thereafter, U.S. Geological Survey, *Minerals Yearbook and Mineral Commodities Summaries*, annual. See also <<http://minerals.er.usgs.gov/minerals/pubs/mcs/>>. Fuels, U.S. Energy Information Administration, *Monthly Energy Review*. See also <<http://www.eia.doe.gov/totalenergy/data/monthly/#prices>>.

**Table 907. Value of Domestic Nonfuel Mineral Production by State: 2000 to 2010**

[In millions of dollars (39,400 represents \$39,400,000,000). For similar data on fuels, see Table 912]

| State                                  | 2000             | 2009             | 2010 <sup>1</sup>  | State               | 2000               | 2009               | 2010 <sup>1</sup>  |
|--|------------------|------------------|--------------------|---------------------|--------------------|--------------------|--------------------|
| <b>United States<sup>2</sup></b> ..... | <b>39,400</b>    | <b>71,100</b>    | <b>57,100</b>      |                     |                    |                    |                    |
| Alabama.....                           | 930              | 1,020            | 1,010              | Montana.....        | 596                | 982                | 1,120              |
| Alaska.....                            | 1,140            | 2,620            | 3,240              | Nebraska.....       | <sup>3</sup> 84    | 248                | <sup>3</sup> 182   |
| Arizona.....                           | 2,510            | 5,180            | 6,700              | Nevada.....         | 2,980              | 6,020              | 7,550              |
| Arkansas.....                          | 484              | 636              | 630                | New Hampshire.....  | <sup>3</sup> 57    | 108                | 100                |
| California.....                        | 3,270            | 3,070            | 2,710              | New Jersey.....     | <sup>3</sup> 291   | <sup>3</sup> 271   | <sup>3</sup> 233   |
| Colorado.....                          | 592              | 1,420            | 1,930              | New Mexico.....     | 786                | 888                | 1,010              |
| Connecticut.....                       | <sup>3</sup> 112 | <sup>3</sup> 162 | <sup>3</sup> 142   | New York.....       | 1,020              | 1,370              | 1,290              |
| Delaware.....                          | <sup>3</sup> 14  | <sup>3</sup> 25  | <sup>3</sup> 13    | North Carolina..... | 744                | 846                | 908                |
| Florida.....                           | 1,820            | 4,250            | 2,080              | North Dakota.....   | 35                 | <sup>3</sup> 51    | <sup>3</sup> 88    |
| Georgia.....                           | 1,620            | 1,410            | 1,500              | Ohio.....           | 999                | 1,130              | 1,080              |
| Hawaii.....                            | <sup>3</sup> 92  | 116              | 112                | Oklahoma.....       | 473                | 675                | 646                |
| Idaho.....                             | 358              | 935              | 1,200              | Oregon.....         | 299                | 314                | 292                |
| Illinois.....                          | 913              | 929              | 910                | Pennsylvania.....   | <sup>3</sup> 1,250 | <sup>3</sup> 1,620 | <sup>3</sup> 1,530 |
| Indiana.....                           | 695              | 806              | 837                | Rhode Island.....   | <sup>3</sup> 20    | <sup>3</sup> 44    | <sup>3</sup> 34    |
| Iowa.....                              | 503              | 590              | 542                | South Carolina..... | <sup>3</sup> 551   | <sup>3</sup> 449   | <sup>3</sup> 440   |
| Kansas.....                            | 629              | 953              | 1,040              | South Dakota.....   | 233                | 230                | 298                |
| Kentucky.....                          | 501              | 668              | 742                | Tennessee.....      | 737                | 675                | 814                |
| Louisiana.....                         | 325              | <sup>4</sup> 464 | 492                | Texas.....          | 1,950              | 2,650              | 2,560              |
| Maine.....                             | 96               | 125              | 114                | Utah.....           | 1,430              | 3,910              | 4,420              |
| Maryland.....                          | <sup>3</sup> 358 | <sup>3</sup> 301 | 438                | Vermont.....        | <sup>3</sup> 67    | <sup>3</sup> 122   | <sup>3</sup> 119   |
| Massachusetts.....                     | <sup>3</sup> 200 | <sup>3</sup> 214 | <sup>3</sup> 194   | Virginia.....       | 710                | 955                | 952                |
| Michigan.....                          | 1,640            | 1,760            | 1,960              | Washington.....     | 607                | 650                | 665                |
| Minnesota.....                         | 1,460            | 2,050            | <sup>3</sup> 3,860 | West Virginia.....  | 172                | 215                | 230                |
| Mississippi.....                       | 149              | 208              | 183                | Wisconsin.....      | <sup>3</sup> 372   | 546                | 651                |
| Missouri.....                          | 1,370            | 1,810            | 2,140              | Wyoming.....        | 978                | 1,820              | 1,860              |

<sup>1</sup> Preliminary. <sup>2</sup> Includes undistributed not shown separately. <sup>3</sup> Partial data only; excludes values withheld to avoid disclosing individual company data.

Source: U.S. Geological Survey, *Minerals Yearbook*, annual, January 2011, and *Mineral Commodities Summaries*, annual. See also <<http://minerals.er.usgs.gov/minerals/pubs/mcs/>>.

**Table 908. Principal Fuels, Nonmetals, and Metals—World Production and the U.S. Share: 2000 to 2010**

[In millions of short tons (4,894 represents 4,894,000,000), except as indicated; see Appendix IV]

| Mineral  | Unit              | World production |        |                   |                   | Percent U.S. of world |      |                   |                   |
|--|-------------------|------------------|--------|-------------------|-------------------|-----------------------|------|-------------------|-------------------|
|  |                   | 2000             | 2005   | 2009 <sup>1</sup> | 2010 <sup>1</sup> | 2000                  | 2005 | 2009 <sup>1</sup> | 2010 <sup>1</sup> |
| <b>Fuels:</b> <sup>2</sup>                                       |                   |                  |        |                   |                   |                       |      |                   |                   |
| Coal   | Mil. sh. tons     | 4,894            | 6,553  | 7,680             | (NA)              | 24                    | 19   | 15                | (NA)              |
| Petroleum (crude)  | Bil. bbl.         | 25.0             | 26.9   | 26.4              | 26.9              | 16                    | 15   | 15                | 15                |
| Natural gas (dry, marketable)                                    | Tril. cu. ft.     | 88.4             | 99.8   | 106.5             | (NA)              | 31                    | 26   | 27                | (NA)              |
| Natural gas plant liquids  | Bil. bbl.         | 2.4              | 2.8    | 3.0               | 3.1               | 47                    | 36   | 36                | 36                |
| <b>Nonmetals:</b>  |                   |                  |        |                   |                   |                       |      |                   |                   |
| Asbestos   | 1,000 metric tons | 2,110            | 2,210  | 2,070             | 1,970             | —                     | —    | —                 | —                 |
| Barite   | 1,000 metric tons | 6,470            | 7,870  | 6,130             | 6,900             | 6                     | 6    | 6                 | 10                |
| Cement   | Mil. metric tons  | (NA)             | 2,350  | 3,010             | 3,900             | (NA)                  | 4    | 2                 | 2                 |
| Feldspar   | 1,000 metric tons | 9,580            | 16,800 | 19,800            | 20,000            | 8                     | 4    | 3                 | 3                 |
| Fluorspar  | 1,000 metric tons | 4,470            | 5,360  | 5,460             | 5,400             | —                     | —    | (NA)              | (NA)              |
| Gypsum   | Mil. metric tons  | 106              | 147    | 148               | 146               | 19                    | 13   | 6                 | 6                 |
| Mica (incl. scrap)   | 1,000 metric tons | 328              | 354    | 340               | 350               | 31                    | 22   | 15                | 15                |
| Nitrogen (N content)   | Mil. metric tons  | 108              | 122    | 130               | 131               | 11                    | 7    | 6                 | 6                 |
| Phosphate rock (gross wt.)                                       | Mil. metric tons  | 132              | 152    | 166               | 176               | 30                    | 24   | 16                | 15                |
| Potash (K <sub>2</sub> O equivalent)                             | Mil. metric tons  | 27               | 34     | 21                | 33                | 4                     | 4    | 3                 | 3                 |
| Sulfur, elemental basis  | Mil. metric tons  | 58               | 69     | 68                | 68                | 19                    | 14   | 14                | 13                |
| <b>Metals, mine basis:</b>                                       |                   |                  |        |                   |                   |                       |      |                   |                   |
| Bauxite  | Mil. metric tons  | 136              | 178    | 199               | 211               | (NA)                  | (NA) | (NA)              | (NA)              |
| Copper   | 1,000 metric tons | 13,200           | 15,000 | 15,900            | 16,200            | 11                    | 8    | 7                 | 7                 |
| Gold   | Metric tons       | 2,590            | 2,470  | 2,450             | 2,500             | 14                    | 10   | 9                 | 9                 |
| Iron ore (gross wt.)   | Mil. metric tons  | 1,070            | 1,550  | 2,240             | 2,400             | 6                     | 3    | 1                 | 2                 |
| Lead <sup>3</sup>  | 1,000 metric tons | 3,184            | 3,470  | 3,860             | 4,100             | 15                    | 13   | 11                | 10                |
| Mercury  | Metric tons       | 1,350            | 1,520  | 1,920             | 1,960             | (NA)                  | (NA) | (NA)              | (NA)              |
| Molybdenum   | 1,000 metric tons | 133              | 186    | 221               | 234               | 31                    | 31   | 22                | 24                |
| Nickel <sup>3</sup>  | 1,000 metric tons | 1,270            | 1,470  | 1,390             | 1,550             | (Z)                   | —    | —                 | —                 |
| Silver   | 1,000 metric tons | 18               | 21     | 22                | 22                | 11                    | 6    | 6                 | 6                 |
| Tantalum concentrates<br>(Ta content)                            | Metric tons       | 1,040            | 1,380  | 665               | 670               | —                     | —    | —                 | —                 |
| Titanium mineral concentrates<br>(titanium content) <sup>4</sup> | 1,000 metric tons | (NA)             | 5,200  | 5,800             | 6,300             | (NA)                  | 6    | 3                 | 3                 |
| Tungsten <sup>3</sup>  | 1,000 metric tons | 44               | 59     | 61                | 61                | (NA)                  | —    | (D)               | (D)               |
| Vanadium <sup>3</sup>  | 1,000 metric tons | 56               | 56     | 54                | 56                | —                     | —    | (D)               | (D)               |
| Zinc <sup>3</sup>  | 1,000 metric tons | 8,788            | 10,000 | 11,200            | 12,000            | 10                    | 7    | 7                 | 6                 |
| <b>Metals, smelter basis:</b>                                    |                   |                  |        |                   |                   |                       |      |                   |                   |
| Aluminum   | 1,000 metric tons | 24,400           | 31,900 | 37,300            | 41,400            | 15                    | 8    | 5                 | 4                 |
| Cadmium  | 1,000 metric tons | 20               | 20     | 19                | 22                | 10                    | 7    | 3                 | 3                 |
| Copper   | 1,000 metric tons | 11,000           | 13,500 | 14,500            | 15,000            | 9                     | 4    | 4                 | 4                 |
| Iron, pig  | Mil. metric tons  | 573              | 802    | 935               | 1,030             | 8                     | 5    | 2                 | 3                 |
| Lead <sup>4</sup>  | 1,000 metric tons | 6,580            | 7,660  | 8,820             | 9,340             | 22                    | 17   | 14                | 14                |
| Magnesium <sup>5, 6</sup>  | 1,000 metric tons | 428              | 622    | 608               | 760               | (D)                   | (D)  | (D)               | (D)               |
| Raw Steel  | Mil. metric tons  | 845              | 1,140  | 1,240             | 1,400             | 12                    | 8    | 5                 | 6                 |
| Tin <sup>7</sup>   | 1,000 metric tons | 271              | 296    | 260               | 261               | 2                     | —    | —                 | —                 |
| Zinc   | 1,000 metric tons | 9,137            | 10,300 | 11,400            | (NA)              | 4                     | 3    | 2                 | (NA)              |

— Represents or rounds to zero. D Withheld to avoid disclosing company data. NA Not available. Z Less than 0.05 percent.

<sup>1</sup> Preliminary. <sup>2</sup> Source: Energy Information Administration, "International Energy Statistics." <sup>3</sup> Content of ore and concentrate.

<sup>4</sup> Refinery production. <sup>5</sup> Primary production; no smelter processing necessary. <sup>6</sup> Starting 2005, excludes U.S. production.

<sup>7</sup> Production from primary sources only.

Source: Except as noted, Nonfuels, U.S. Geological Survey, *Minerals Yearbook*, annual, and *Mineral Commodities Summaries*, annual, January 2011, <<http://minerals.er.usgs.gov/minerals/pubs/mcs/>>; and fuels, U.S. Energy Information Administration, "International Energy Statistics," <<http://tonto.eia.doe.gov/cfapps/ipdbproject/IEDIndex3.cfm>>, June 2011.

**Table 909. Net U.S. Imports of Selected Minerals and Metals as Percent of Apparent Consumption: 1980 to 2010**

[In percent. Based on net imports which equal the difference between imports and exports plus or minus government stockpile and industry stock changes]

| Minerals and metals  | 1980             | 1990             | 1995 | 2000 | 2005 | 2007 | 2008             | 2009 | 2010 <sup>1</sup> |
|----------------------|------------------|------------------|------|------|------|------|------------------|------|-------------------|
| Bauxite <sup>2</sup> | (NA)             | 98               | 99   | 100  | 100  | 100  | 100              | 100  | 100               |
| Fluorspar            | 87               | 91               | 92   | 100  | 100  | 100  | 100              | 100  | 100               |
| Manganese            | 98               | 100              | 100  | 100  | 100  | 100  | 100              | 100  | 100               |
| Strontium            | 100              | 100              | 100  | 100  | 100  | 100  | 100              | 100  | 100               |
| Tantalum             | 90               | 86               | 80   | 80   | 100  | 100  | 100              | 100  | 100               |
| Vanadium             | 35               | (D)              | 84   | 100  | 100  | 100  | 91               | 81   | 69                |
| Mica (sheet)         | 100              | 100              | 100  | 100  | 100  | 100  | 100              | 100  | 100               |
| Platinum             | (NA)             | (NA)             | (NA) | 78   | 93   | 91   | 89               | 95   | 94                |
| Tin                  | 79               | 71               | 84   | 88   | 78   | 72   | 70               | 74   | 69                |
| Barite               | 44               | 71               | 65   | 84   | 84   | 85   | 80               | 78   | 76                |
| Zinc                 | 60               | 64               | 71   | 72   | 67   | 73   | 72               | 77   | 77                |
| Cobalt               | 93               | 84               | 79   | 78   | 83   | 80   | 81               | 76   | 81                |
| Potash               | 65               | 68               | 75   | 80   | 80   | 81   | 84               | 73   | 83                |
| Titanium             | (NA)             | (NA)             | 70   | 79   | 71   | 76   | 78               | 68   | 81                |
| Tungsten             | 53               | 81               | 90   | 66   | 68   | 67   | 60               | 68   | 68                |
| Silver               | 7                | (NA)             | (NA) | 43   | 72   | 66   | 70               | 64   | 65                |
| Nickel               | 76               | 64               | 60   | 54   | 48   | 17   | 33               | 21   | 43                |
| Iron and steel       | 13               | 13               | 21   | 18   | 15   | 16   | 13               | 11   | 7                 |
| Aluminum             | ( <sup>3</sup> ) | ( <sup>3</sup> ) | 23   | 33   | 41   | 19   | ( <sup>3</sup> ) | 10   | 38                |

D Withheld to avoid disclosure. NA Not available. <sup>1</sup> Preliminary. <sup>2</sup> Includes alumina. <sup>3</sup> Net exporter.

Source: Through 1990, U.S. Bureau of Mines; thereafter, U.S. Geological Survey, *Mineral Commodity Summaries* and *Minerals Yearbook*, annual, and *Historical Statistics for Mineral and Material Commodities in the United States*; and import and export data from U.S. Census Bureau.



**Table 910. Petroleum Industry—Summary: 1990 to 2009**

[602 represents 602,000. Includes all costs incurred for drilling and equipping wells to point of completion as productive wells or abandonment after drilling becomes unproductive. Based on sample of operators of different size drilling establishments]

| Item                                     | Unit      | 1990  | 1995  | 2000   | 2005   | 2006   | 2007   | 2008   | 2009 <sup>1</sup> |
|--|-----------|-------|-------|--------|--------|--------|--------|--------|-------------------|
| Crude oil producing wells, (Dec. 31)     | 1,000     | 602   | 574   | 534    | 498    | 497    | 500    | 526    | 526               |
| Daily output per well <sup>2</sup>       | Bbl.      | 12.2  | 11.4  | 10.9   | 10.4   | 10.3   | 10.1   | 9.4    | 10.1              |
| Completed wells drilled, total           | 1,000     | 27.02 | 17.97 | 26.93  | 39.69  | 46.69  | 46.49  | 51.76  | 32.57             |
| Crude oil                                | 1,000     | 12.02 | 7.66  | 7.80   | 10.16  | 12.63  | 12.73  | 16.42  | 12.42             |
| Natural gas                              | 1,000     | 10.42 | 7.52  | 16.33  | 26.35  | 30.41  | 30.25  | 31.47  | 17.73             |
| Dry holes                                | 1,000     | 4.59  | 2.79  | 2.80   | 3.18   | 3.65   | 3.51   | 3.87   | 2.43              |
| Average depth per well                   | Feet      | 4,602 | 5,459 | 4,765  | 5,407  | 5,474  | 5,927  | 6,195  | 6,084             |
| Average cost per well                    | \$1,000   | 384   | 513   | 755    | 1,721  | 2,102  | 4,172  | 5,136  | (NA)              |
| Average cost per foot                    | Dollars   | 76.07 | 87.22 | 142.16 | 306.50 | 378.03 | 688.30 | 782.31 | (NA)              |
| Crude oil production, total <sup>3</sup> | Mil. bbl. | 2,685 | 2,394 | 2,131  | 1,890  | 1,862  | 1,848  | 1,812  | 1,938             |
| Value at wells <sup>3,4</sup>            | Bil. dol. | 53.77 | 35.00 | 56.93  | 95.03  | 111.16 | 122.96 | 170.38 | 109.29            |
| Average price per barrel                 | Dollars   | 20.03 | 14.62 | 26.72  | 50.28  | 59.69  | 66.52  | 94.04  | 56.39             |
| Lower 48 states <sup>5</sup>             | Mil. bbl. | 2,037 | 1,853 | 1,776  | 1,575  | 1,592  | 1,585  | 1,562  | 1,703             |
| Alaska                                   | Mil. bbl. | 647   | 542   | 355    | 315    | 270    | 264    | 250    | 235               |
| Onshore                                  | Mil. bbl. | 2,290 | 1,838 | 1,482  | 1,265  | 1,241  | 1,244  | 1,310  | 1,256             |
| Offshore                                 | Mil. bbl. | 395   | 557   | 649    | 625    | 621    | 605    | 502    | 682               |
| Imports: Crude oil <sup>3,6</sup>        | Mil. bbl. | 2,151 | 2,639 | 3,320  | 3,696  | 3,693  | 3,661  | 3,581  | 3,307             |
| Refined petroleum products               | Mil. bbl. | 775   | 586   | 874    | 1,310  | 1,310  | 1,255  | 1,146  | 973               |
| Exports: Crude oil <sup>3</sup>          | Mil. bbl. | 39.7  | 34.5  | 18.4   | 11.6   | 9.0    | 10.0   | 10.5   | 16.0              |
| Proved reserves                          | Bil. bbl. | 26.3  | 22.4  | 22.0   | 21.8   | 21.0   | 21.3   | 19.1   | (NA)              |
| Operable refineries                      | Number    | 205   | 175   | 158    | 148    | 149    | 149    | 150    | 150               |
| Capacity (Jan. 1)                        | Mil. bbl. | 5,684 | 5,633 | 6,027  | 6,251  | 6,329  | 6,367  | 6,422  | 6,450             |
| Refinery input, total                    | Mil. bbl. | 5,325 | 5,555 | 5,964  | 6,136  | 6,198  | 6,205  | 6,278  | 6,162             |
| Crude oil <sup>3</sup>                   | Mil. bbl. | 4,894 | 5,100 | 5,514  | 5,555  | 5,563  | 5,532  | 5,361  | 5,224             |
| Natural gas plant liquids                | Mil. bbl. | 171   | 172   | 139    | 161    | 183    | 184    | 178    | 179               |
| Other liquids <sup>7</sup>               | Mil. bbl. | 260   | 283   | 311    | 420    | 452    | 488    | 739    | 759               |
| Refinery output, total <sup>8</sup>      | Mil. bbl. | 5,574 | 5,838 | 6,311  | 6,497  | 6,561  | 6,568  | 6,641  | 6,520             |
| Motor gasoline <sup>9</sup>              | Mil. bbl. | 2,540 | 2,722 | 2,910  | 3,036  | 3,053  | 3,051  | 3,129  | 3,199             |
| Jet fuel <sup>10</sup>                   | Mil. bbl. | 543   | 517   | 588    | 564    | 541    | 528    | 546    | 510               |
| Distillate fuel oil                      | Mil. bbl. | 1,067 | 1,152 | 1,310  | 1,443  | 1,475  | 1,509  | 1,572  | 1,477             |
| Residual fuel oil                        | Mil. bbl. | 347   | 288   | 255    | 229    | 232    | 246    | 227    | 219               |
| Liquefied petroleum gases                | Mil. bbl. | 182   | 239   | 258    | 209    | 229    | 239    | 230    | 230               |
| Utilization rate                         | Percent   | 87.1  | 92.0  | 92.6   | 90.6   | 89.7   | 88.5   | 85.3   | 82.8              |

NA Not available. <sup>1</sup> Preliminary. <sup>2</sup> Based on number of wells producing at end of year. <sup>3</sup> Includes lease condensate. <sup>4</sup> Values based on domestic first purchase price. <sup>5</sup> Excluding Alaska and Hawaii. <sup>6</sup> Includes imports for the Strategic Petroleum Reserve. <sup>7</sup> Unfinished oils (net), other hydrocarbons, hydrogen, aviation and motor gasoline blending components (net). Beginning 1995, also includes oxygenates (net). <sup>8</sup> Includes other products not shown separately. <sup>9</sup> Finished motor gasoline. Beginning 1995, also includes ethanol blended into motor gasoline. <sup>10</sup> Prior to 2005, kerosene-type jet fuel is included with kerosene in "Other products." Beginning 2005, naphtha-type jet fuel is also included in "Other products."

Source: U.S. Energy Information Administration, *Annual Energy Review 2009*. See also <<http://www.eia.doe.gov/emeu/aer/contents.html>>.

**Table 911. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products: 2010**

[In millions of barrels (2,011.9 represents 2,011,900,000). Minus sign (-) indicates decrease]

| Commodity                                | Supply           |                             |         |                          | Disposition  |                         |         |                                | Ending stocks |
|--|------------------|-----------------------------|---------|--------------------------|--------------|-------------------------|---------|--------------------------------|---------------|
|  | Field production | Refinery and net production | Imports | Adjustments <sup>1</sup> | Stock change | Refinery and net inputs | Exports | Products supplied <sup>2</sup> |               |
|  |                  |                             |         |                          |              |                         |         |                                |               |
| Crude oil                                | 2,011.9          | (X)                         | 3,344.5 | 39.3                     | 6.8          | 5,373.7                 | 15.2    | -                              | 1,058.5       |
| Commercial                               | 2,011.9          | (X)                         | (NA)    | (NA)                     | 6.9          | (NA)                    | (NA)    | (NA)                           | 332.0         |
| Alaskan                                  | 218.8            | (X)                         | (NA)    | (X)                      | (NA)         | (NA)                    | (NA)    | -                              | (NA)          |
| Lower 48 states                          | 1,793.1          | (X)                         | (NA)    | (X)                      | (NA)         | (NA)                    | (NA)    | -                              | (NA)          |
| SPR <sup>3</sup>                         | (X)              | (X)                         | (NA)    | (X)                      | -            | (X)                     | (NA)    | (X)                            | 726.5         |
| Imports by SPR <sup>3</sup>              | (X)              | (X)                         | (NA)    | (X)                      | (X)          | (X)                     | (NA)    | (X)                            | (X)           |
| Imports into SPR <sup>3</sup> by others  | (X)              | (X)                         | (NA)    | (X)                      | (X)          | (X)                     | (NA)    | (X)                            | (X)           |
| Natural gas liquids and LRG <sup>4</sup> | 730.4            | 237.6                       | 58.4    | (X)                      | 8.1          | 158.9                   | 54.7    | 798.2                          | 121.3         |
| Pentanes plus                            | 98.8             | (X)                         | 3.5     | (X)                      | 2.0          | 56.8                    | 6.7     | 30.4                           | 12.5          |
| Liquefied petroleum gases                | 631.7            | 237.6                       | 54.8    | (X)                      | 6.1          | 102.1                   | 48.1    | 767.8                          | 108.8         |
| Ethane/ethylene                          | 304.2            | 7.4                         | 0.1     | (X)                      | 3.8          | (NA)                    | (NA)    | 308.0                          | 24.7          |
| Propane/propylene                        | 206.2            | 204.0                       | 43.9    | (X)                      | -1.4         | (NA)                    | 39.9    | 415.7                          | 49.4          |
| Normal butane/butylene                   | 54.0             | 28.3                        | 7.4     | (X)                      | 3.6          | 42.1                    | 8.2     | 35.9                           | 27.7          |
| Isobutane/isobutylene                    | 67.2             | -2.2                        | 3.4     | (X)                      | 0.2          | 60.0                    | (NA)    | 8,249.0                        | 7.1           |
| Finished motor gasoline                  | (X)              | 3,301.7                     | 49.3    | 31.9                     | -22.5        | (X)                     | 108.0   | 3,297.5                        | 63.4          |
| Kerosene-type jet fuel                   | (X)              | 517.4                       | 32.8    | (X)                      | -0.1         | (X)                     | 30.8    | 519.7                          | 43.2          |
| Distillate fuel oil <sup>5</sup>         | (X)              | 1,542.4                     | 81.4    | -                        | -0.3         | (X)                     | 239.4   | 1,384.7                        | 164.5         |

- Represents or rounds to zero. NA Not available. X Not applicable. <sup>1</sup> Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B of source for more details. <sup>2</sup> Products supplied is equal to field production, plus refinery and blender net production, plus imports, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports. <sup>3</sup> Strategic Petroleum Reserve. <sup>4</sup> Liquefied Refinery Gases (LRGs) are liquefied petroleum gases fractionated from refinery or still gases through compression and/or refrigeration. They are retained in the liquid state. Excludes still gas. <sup>5</sup> Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details, see Appendix C of source.

Source: U.S. Energy Information Administration, "Petroleum Supply Annual, Volume 1"; <[http://www.eia.doe.gov/oil\\_gas/petroleum/data\\_publications/petroleum\\_supply\\_annual/psa\\_volume1/psa\\_volume1.html](http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1.html)>.

**Table 912. Crude Petroleum and Natural Gas—Production and Value by Major Producing States: 2008 to 2010**

[1,812 represents 1,812,000,000 barrels]

| State                     | Crude petroleum      |              |              |                   |                |                | Natural gas marketed production <sup>1</sup> |               |               |                   |               |             |
|---------------------------|----------------------|--------------|--------------|-------------------|----------------|----------------|--|---------------|---------------|-------------------|---------------|-------------|
|                           | Quantity (mil. bbl.) |              |              | Value (mil. dol.) |                |                | Quantity (bil. cu. ft.)                      |               |               | Value (mil. dol.) |               |             |
|                           | 2008                 | 2009         | 2010         | 2008              | 2009           | 2010           | 2008   | 2009          | 2010          | 2008              | 2009          | 2010        |
| <b>Total <sup>2</sup></b> | <b>1,812</b>         | <b>1,957</b> | <b>2,012</b> | <b>170,383</b>    | <b>110,254</b> | <b>150,306</b> | <b>21,112</b>                                | <b>21,604</b> | <b>22,569</b> | <b>168,342</b>    | <b>79,188</b> | <b>(NA)</b> |
| AL                        | 8                    | 7            | 7            | 730               | 397            | 527            | 258  | 236           | (NA)          | 2,490             | 1,021         | (NA)        |
| AK <sup>3</sup>           | 250                  | 236          | 219          | 22,514            | 12,814         | 15,416         | 398  | 397           | 377           | 2,945             | 1,164         | (NA)        |
| AR                        | 6                    | 6            | 6            | 553               | 307            | 407            | 446  | 680           | (NA)          | 9,642             | 4,812         | (NA)        |
| CA                        | 215                  | 207          | 204          | 19,410            | 11,620         | 15,180         | 296  | 277           | (NA)          | (NA)              | (NA)          | (NA)        |
| CO                        | 24                   | 28           | 26           | 2,184             | 1,482          | 1,896          | 1,389  | 1,499         | (NA)          | (NA)              | (NA)          | (NA)        |
| FL                        | 2                    | 1            | 2            | (NA)              | (NA)           | (NA)           | 2  | —             | (NA)          | 36                | 20            | (NA)        |
| IL                        | 9                    | 9            | 9            | 881               | 505            | 657            | 1  | 1             | (NA)          | 2,565             | 1,119         | (NA)        |
| IN                        | 2                    | 2            | 2            | 171               | 100            | 134            | 5  | 5             | (NA)          | 961               | —             | (NA)        |
| KS                        | 40                   | 39           | 40           | 3,645             | 2,147          | 2,928          | 374  | 354           | (NA)          | 12,028            | 5,920         | (NA)        |
| KY                        | 3                    | 3            | 3            | 240               | 144            | 178            | 114  | 113           | (NA)          | (NA)              | (NA)          | (NA)        |
| LA                        | 73                   | 69           | 67           | 7,366             | 4,084          | 5,209          | 1,378  | 1,549         | 2,246         | 862               | 603           | (NA)        |
| MI                        | 6                    | 6            | 7            | 596               | 333            | 487            | 153  | 154           | (NA)          | (NA)              | (NA)          | (NA)        |
| MS                        | 22                   | 23           | 24           | 2,091             | 1,354          | 1,806          | 97   | 88            | (NA)          | 844               | 310           | (NA)        |
| MT                        | 32                   | 28           | 24           | (NA)              | 1,467          | 1,665          | 113  | 98            | (NA)          | (NA)              | (NA)          | (NA)        |
| NE                        | 2                    | 2            | 2            | 211               | 114            | 153            | 3  | 3             | (NA)          | 12,146            | 5,762         | (NA)        |
| NM                        | 59                   | 61           | 62           | 5,716             | 3,490          | 4,709          | 1,446  | 1,383         | 1,322         | 448               | 222           | (NA)        |
| ND                        | —                    | —            | —            | (NA)              | (NA)           | (NA)           | 50   | 45            | (NA)          | 669               | 387           | (NA)        |
| NY                        | 63                   | 80           | 112          | 5,567             | 4,286          | 7,867          | 52   | 59            | (NA)          | 14,262            | 6,550         | (NA)        |
| OH                        | 6                    | 6            | 6            | 551               | 329            | 427            | 85   | 89            | (NA)          | 4                 | 3             | (NA)        |
| OK                        | 64                   | 67           | 68           | 6,160             | 3,791          | 5,116          | 1,887  | 1,858         | 1,827         | (NA)              | (NA)          | (NA)        |
| PA                        | 4                    | 4            | 3            | 349               | 202            | 243            | 198  | 274           | (NA)          | 42                | 21            | (NA)        |
| TX                        | 398                  | 404          | 417          | 38,548            | 23,178         | 31,751         | 6,961  | 6,819         | 6,676         | (NA)              | (NA)          | (NA)        |
| UT                        | 22                   | 23           | 24           | 1,905             | 1,151          | 1,662          | 434  | 444           | (NA)          | (NA)              | (NA)          | (NA)        |
| WV                        | 2                    | 2            | 2            | 151               | 104            | 139            | 245  | 264           | (NA)          | (NA)              | (NA)          | (NA)        |
| WY                        | 53                   | 51           | 52           | 4,557             | 2,685          | 3,521          | 2,275  | 2,335         | 2,323         | 16                | (NA)          | (NA)        |
| Federal offshore          | 103                  | 44           | 43           | 140,547           | (NA)           | (NA)           | (NA)   | (NA)          | (NA)          | (NA)              | (NA)          | (NA)        |
| Lower 48 states           | 1,562                | 1,721        | 1,793        | 147,870           | (NA)           | (NA)           | 20,714                                       | 21,207        | 22,192        | 165,398           | (NA)          | (NA)        |

— Represents zero. NA Not available. <sup>1</sup> Excludes nonhydrocarbon gases. <sup>2</sup> Includes other states, not shown separately.

State production includes state offshore production, as well as extractions from the Gulf not distributed to states. U.S. level totals shown in Tables 910 and 917 may contain revisions not carried to state level. <sup>3</sup> Price data are for North Slope only. Value data were calculated using price data.

Source: U.S. Energy Information Administration, "Petroleum Navigator" and "Natural Gas Navigator,"

<<http://www.eia.gov/petroleum/index.cfm>> and <[http://www.eia.gov/dnav/ng/ng\\_sum\\_top.asp](http://www.eia.gov/dnav/ng/ng_sum_top.asp)>, accessed May 2011.

**Table 913. Crude Oil, Natural Gas, and Natural Gas Liquids—Reserves by State: 2007 to 2009**

[21,317 mil. bbl. represents 21,317,000,000 bbl. As of December 31. Proved reserves are estimated quantities of the mineral, which geological and engineering data demonstrate with reasonable certainty, to be recoverable in future years from known reservoirs under existing economic and operating conditions. Based on a sample of operators of oil and gas wells]

| Area                              | 2007                      |                |                     | 2008                      |                |                     | 2009                      |                |                     |
|-----------------------------------|---------------------------|----------------|---------------------|---------------------------|----------------|---------------------|---------------------------|----------------|---------------------|
|                                   | Crude oil proved reserves | Natural gas    | Natural gas liquids | Crude oil proved reserves | Natural gas    | Natural gas liquids | Crude oil proved reserves | Natural gas    | Natural gas liquids |
|                                   | (mil. bbl.)               | (bil. cu. ft.) | (mil. bbl.)         | (mil. bbl.)               | (bil. cu. ft.) | (mil. bbl.)         | (mil. bbl.)               | (bil. cu. ft.) | (mil. bbl.)         |
| <b>United States <sup>1</sup></b> | <b>21,317</b>             | <b>237,726</b> | <b>9,143</b>        | <b>19,121</b>             | <b>244,656</b> | <b>9,275</b>        | <b>20,682</b>             | <b>272,509</b> | <b>(NA)</b>         |
| Alabama                           | 42                        | 3,994          | 53                  | 38                        | 3,290          | 106                 | 37                        | 2,871          | (NA)                |
| Alaska                            | 4,163                     | 11,917         | 325                 | 3,507                     | 7,699          | 312                 | 3,566                     | 9,101          | (NA)                |
| Arkansas                          | 31                        | 3,305          | 3                   | 30                        | 5,626          | 2                   | 28                        | 10,869         | (NA)                |
| California                        | 3,322                     | 2,740          | 126                 | 2,705                     | 2,406          | 113                 | 2,835                     | 2,773          | (NA)                |
| Colorado                          | 304                       | 21,851         | 559                 | 288                       | 23,302         | 716                 | 279                       | 23,058         | (NA)                |
| Florida                           | 32                        | 108            | 2                   | 3                         | 1              | —                   | 9                         | 7              | (NA)                |
| Illinois                          | 101                       | (NA)           | (NA)                | 54                        | (NA)           | (NA)                | 66                        | —              | (NA)                |
| Indiana                           | 17                        | (NA)           | (NA)                | 15                        | (NA)           | (NA)                | 8                         | —              | (NA)                |
| Kansas                            | 206                       | 3,982          | 198                 | 243                       | 3,557          | 181                 | 259                       | 3,279          | (NA)                |
| Kentucky                          | 24                        | 2,469          | 89                  | 17                        | 2,714          | 100                 | 20                        | 2,782          | (NA)                |
| Louisiana                         | 458                       | 10,045         | 303                 | 388                       | 11,573         | 300                 | 370                       | 20,688         | (NA)                |
| Michigan                          | 55                        | 3,630          | 55                  | 48                        | 3,174          | 62                  | 33                        | 2,763          | (NA)                |
| Mississippi                       | 200                       | 954            | 9                   | 249                       | 1,030          | 9                   | 244                       | 917            | (NA)                |
| Montana                           | 410                       | 1,052          | 11                  | 321                       | 1,000          | 11                  | 343                       | 976            | (NA)                |
| Nebraska                          | 12                        | (NA)           | (NA)                | 8                         | (NA)           | (NA)                | 9                         | —              | (NA)                |
| New Mexico                        | 735                       | 17,245         | 844                 | 654                       | 16,285         | 804                 | 700                       | 15,598         | (NA)                |
| New York                          | (NA)                      | 376            | (NA)                | (NA)                      | 389            | (NA)                | (NA)                      | 196            | (NA)                |
| North Dakota                      | 482                       | 511            | 58                  | 573                       | 541            | 55                  | 1,046                     | 1,079          | (NA)                |
| Ohio                              | 48                        | 1,027          | (NA)                | 38                        | 985            | (NA)                | 38                        | 896            | (NA)                |
| Oklahoma                          | 530                       | 19,031         | 949                 | 581                       | 20,845         | 1,034               | 622                       | 22,769         | (NA)                |
| Pennsylvania                      | 12                        | 3,361          | (NA)                | 14                        | 3,577          | (NA)                | 10                        | 6,985          | (NA)                |
| Texas                             | 5,122                     | 72,091         | 3,658               | 4,555                     | 77,546         | 3,560               | 5,006                     | 80,424         | (NA)                |
| Utah                              | 355                       | 6,391          | 108                 | 286                       | 6,643          | 116                 | 398                       | 7,257          | (NA)                |
| Virginia                          | (NA)                      | 2,529          | (NA)                | (NA)                      | 2,378          | (NA)                | (NA)                      | 3,091          | (NA)                |
| West Virginia                     | 28                        | 4,729          | 115                 | 23                        | 5,136          | 100                 | 19                        | 5,946          | (NA)                |
| Wyoming                           | 690                       | 29,710         | 1,032               | 556                       | 31,143         | 1,121               | 583                       | 35,283         | (NA)                |
| Federal offshore                  | 3,905                     | 14,439         | 624                 | 3,903                     | 13,546         | 548                 | 4,129                     | 12,552         | (NA)                |
| Lower 48 states                   | 17,154                    | 225,809        | 8,818               | 15,614                    | 236,957        | 8,963               | 17,116                    | 263,408        | (NA)                |

— Represents zero. NA Not available. <sup>1</sup> Includes other states, not shown separately.

Source: U.S. Energy Information Administration, "Petroleum Navigator" and "Natural Gas Navigator," <[http://www.eia.gov/dnav/pet/pet\\_sum\\_top.asp](http://www.eia.gov/dnav/pet/pet_sum_top.asp)> and <[http://www.eia.gov/dnav/ng/ng\\_sum\\_top.asp](http://www.eia.gov/dnav/ng/ng_sum_top.asp)>, accessed March 2011.

**Table 914. Federal Offshore Leasing, Exploration, Production, and Revenue: 1990 to 2010**

[In millions (56.79 represents 56,790,000), except as indicated. Data presented by fiscal year. See source for explanation of terms and for reliability statement]

| Item                               | Unit         | 1990   | 1995   | 2000   | 2005   | 2007   | 2008   | 2009   | 2010             |
|------------------------------------|--------------|--------|--------|--------|--------|--------|--------|--------|------------------|
| Tracts offered                     | Number       | 10,459 | 10,995 | 7,992  | 11,447 | 4,992  | 19,812 | 9,893  | 6,958            |
| Tracts leased                      | Number       | 825    | 835    | 553    | 989    | 360    | 2,121  | 483    | ( <sup>1</sup> ) |
| Acres offered                      | Millions     | 56.79  | 59.70  | 42.89  | 61.08  | 26.63  | 106.76 | 52.98  | 40               |
| Acres leased                       | Millions     | 4.30   | 4.34   | 2.92   | 5.24   | 2.01   | 11.73  | 2.66   | ( <sup>1</sup> ) |
| New wells being drilled:           |              |        |        |        |        |        |        |        |                  |
| Active                             | Number       | 120    | 237    | 236    | 135    | 115    | 122    | 54     | 48               |
| Suspended                          | Number       | 266    | 155    | 139    | 59     | 68     | 67     | 67     | 76               |
| Cumulative wells (since 1953):     |              |        |        |        |        |        |        |        |                  |
| Wells completed                    | Number       | 13,167 | 13,423 | 13,733 | 13,398 | 12,804 | 12,157 | 11,384 | 10,404           |
| Wells plugged and abandoned        | Number       | 14,677 | 21,478 | 26,893 | 31,884 | 33,568 | 34,613 | 35,544 | 36,695           |
| Revenue, total <sup>2</sup>        | Bil. dol.    | 3.4    | 2.7    | 5.2    | 6.3    | 7.0    | 18.0   | 5.8    | 4.8              |
| Bonuses <sup>3</sup>               | Bil. dol.    | 0.8    | 0.4    | 0.4    | 0.6    | 0.4    | 9.5    | 1.2    | 1.0              |
| Oil and gas royalties <sup>2</sup> | Bil. dol.    | 2.6    | 2.1    | 4.1    | 5.5    | 6.4    | 8.3    | 4.4    | 3.6              |
| Rentals                            | Bil. dol.    | 0.09   | 0.09   | 0.21   | 0.22   | 0.20   | 0.24   | 0.2    | 0.3              |
| Sales value <sup>4</sup>           | Bil. dol.    | 17.0   | 13.8   | 27.4   | 37.2   | 45.5   | 57.2   | 32.6   | 25.1             |
| Oil                                | Bil. dol.    | 7.0    | 6.3    | 11.5   | 15.4   | 27.8   | 35.9   | 23.5   | 21.3             |
| Natural gas                        | Bil. dol.    | 9.5    | 7.5    | 15.9   | 21.8   | 17.7   | 21.3   | 9.2    | 3.7              |
| Sales volume: <sup>5</sup>         |              |        |        |        |        |        |        |        |                  |
| Oil                                | Mil. bbl.    | 324    | 409    | 566    | 332    | 471    | 358    | 425    | 261              |
| Natural gas                        | Bil. cu. ft. | 5,093  | 4,692  | 4,723  | 3,504  | 2,547  | 1,573  | 3,539  | 1,043            |

<sup>1</sup> Sale 213, Central Gulf of Mexico, was held on March 17, 2010. Forty million acres were offered for bid. Data from the sale is not yet finalized. <sup>2</sup> Includes condensate royalties. Excludes gas plant product royalties. <sup>3</sup> The 2010 bonuses include those from Sale 213, Central Gulf of Mexico, held on March 17, 2010. <sup>4</sup> Sales value is value at time of sale, not current value. <sup>5</sup> Excludes sales volumes for gas plant products and sulfur.

Source: U.S. Department of the Interior, Bureau of Ocean Energy Management, Regulation and Enforcement, *Federal Offshore Statistics*, annual; for revenue, sales value, and sales volume data after 2000, Office of Natural Resources Revenue, *Annual Reported Royalty Revenue Statistical Information*, <<http://www.onrr.gov/ONRRWebStats/Home.aspx>>.

**Table 915. Oil and Gas Extraction Industry—Establishments, Employees, and Payroll by State: 2008**

[11,367,499 represents 11,367,499,000. See headnote, Table 880]

| State                             | Crude petroleum and natural gas extraction (21111) <sup>1</sup> |                                  |                          | State                             | Natural gas liquid extraction (21112) <sup>1</sup> |                                  |                          |
|-----------------------------------|---|----------------------------------|--------------------------|-----------------------------------|--|----------------------------------|--------------------------|
|                                   | Establishments  | Number of employees <sup>2</sup> | Annual payroll (\$1,000) |                                   | Establishments                                     | Number of employees <sup>2</sup> | Annual payroll (\$1,000) |
| <b>United States <sup>3</sup></b> | <b>7,643</b>  | <b>98,880</b>                    | <b>11,367,499</b>        | <b>United States <sup>3</sup></b> | <b>350</b>   | <b>8,220</b>                     | <b>783,170</b>           |
| Alabama                           | 31  | 524                              | 42,815                   | Alabama                           | 2  | ( <sup>4</sup> )                 | (D)                      |
| Arkansas                          | 107   | 1,068                            | 91,779                   | Arkansas                          | 1  | ( <sup>4</sup> )                 | (D)                      |
| California                        | 201   | 4,958                            | 687,651                  | California                        | 2  | ( <sup>4</sup> )                 | (D)                      |
| Colorado                          | 382   | 5,000                            | 714,780                  | Colorado                          | 5  | 126                              | 9,406                    |
| Florida                           | 34  | ( <sup>6</sup> )                 | (D)                      | Florida                           | 19   | 1,126                            | 173,006                  |
| Illinois                          | 158   | 867                              | 39,281                   | Illinois                          | 2  | ( <sup>5</sup> )                 | (D)                      |
| Indiana                           | 42  | 168                              | 6,738                    | Indiana                           | 2  | ( <sup>4</sup> )                 | (D)                      |
| Kansas                            | 409   | 3,018                            | 198,163                  | Kansas                            | 12   | ( <sup>7</sup> )                 | (D)                      |
| Kentucky                          | 99  | 898                              | 54,461                   | Kentucky                          | 6  | ( <sup>5</sup> )                 | (D)                      |
| Louisiana                         | 382   | 9,452                            | 879,317                  | Louisiana                         | 41   | 762                              | 65,900                   |
| Michigan                          | 94  | 915                              | 88,824                   | Michigan                          | 8  | ( <sup>4</sup> )                 | 2,299                    |
| Mississippi                       | 77  | 944                              | 90,825                   | Mississippi                       | 3  | ( <sup>5</sup> )                 | (D)                      |
| Montana                           | 87  | 711                              | 61,476                   | Mississippi                       | 4  | ( <sup>4</sup> )                 | (D)                      |
| Nevada                            | 17  | ( <sup>4</sup> )                 | 6,117                    | Missouri                          | 1  | ( <sup>6</sup> )                 | (D)                      |
| New Mexico                        | 172   | 2,832                            | 230,836                  | Montana                           | 7  | ( <sup>4</sup> )                 | (D)                      |
| New York                          | 51  | 289                              | 21,371                   | New Mexico                        | 17   | 611                              | 52,658                   |
| North Dakota                      | 41  | 1,177                            | 99,002                   | North Dakota                      | 6  | ( <sup>4</sup> )                 | (D)                      |
| Ohio                              | 203   | 1,435                            | 71,310                   | Ohio                              | 2  | ( <sup>5</sup> )                 | (D)                      |
| Oklahoma                          | 1,160   | 13,060                           | 1,511,116                | Oklahoma                          | 50   | 923                              | 88,120                   |
| Pennsylvania                      | 175   | 2,067                            | 157,641                  | Pennsylvania                      | 14   | ( <sup>6</sup> )                 | (D)                      |
| Texas                             | 3,139   | 39,799                           | 5,365,506                | South Dakota                      | 4  | ( <sup>5</sup> )                 | (D)                      |
| Utah                              | 54  | 1,099                            | 100,659                  | Texas                             | 101  | 2,347                            | 191,044                  |
| Virginia                          | 23  | 254                              | 35,456                   | Utah                              | 4  | 65                               | 6,443                    |
| West Virginia                     | 219   | 2,845                            | 194,455                  | West Virginia                     | 7  | ( <sup>7</sup> )                 | (D)                      |
| Wyoming                           | 164   | 2,694                            | 275,784                  | Wyoming                           | 23   | 954                              | 91,513                   |

D Withheld to avoid disclosing data for individual companies; data are included in higher level totals. <sup>1</sup> North American Industry Classification System, 2007. <sup>2</sup> Covers full- and part-time employees who are on the payroll in the pay period including March 12.

<sup>3</sup> Includes other states, not shown separately. <sup>4</sup> 20 to 99 employees. <sup>5</sup> 0 to 19 employees. <sup>6</sup> 250 to 499 employees.

<sup>7</sup> 100 to 249 employees.

Source: U.S. Census Bureau, "County Business Patterns," July 2009, <<http://www.census.gov/econ/cbp/index.html>>.

**Table 916. Natural Gas Plant Liquids—Production and Value: 1990 to 2010**

[Barrels of 42 gallons (569 represents 569,000,000)]

| Item                          | Unit          | 1990 | 1995 | 2000 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|-------------------------------|---------------|------|------|------|------|------|------|------|------|------|
| Field production <sup>1</sup> | Mil. bbl.     | 569  | 643  | 699  | 627  | 635  | 651  | 653  | 697  | 730  |
| Pentanes plus                 | Mil. bbl.     | 113  | 122  | 112  | 97   | 96   | 96   | 97   | 99   | 99   |
| Liquefied petroleum gases     | Mil. bbl.     | 456  | 521  | 587  | 529  | 539  | 555  | 556  | 598  | 632  |
| Natural gas processed         | Tril. cu. ft. | 15   | 17   | 17   | 15   | 15   | 16   | 15   | (NA) | (NA) |

NA Not available. <sup>1</sup> Includes other finished petroleum products, not shown separately.

Source: U.S. Energy Information Administration, "Petroleum Navigator" and "Natural Gas Navigator"; <[http://www.eia.gov/dnav/pet/pet\\_sum\\_top.asp](http://www.eia.gov/dnav/pet/pet_sum_top.asp)> and <[http://www.eia.gov/dnav/ng/ng\\_sum\\_top.asp](http://www.eia.gov/dnav/ng/ng_sum_top.asp)>, accessed May 2011.

**Table 917. Natural Gas—Supply, Consumption, Reserves, and Marketed Production: 1990 to 2010**

| [269 represents 269,000. Data are for natural gas, plus a small amount of supplemental gaseous fuels. Minus sign (-) indicates debit] |                     |               |               |               |               |               |               |               |               |               |
|---|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Item  | Unit                | 1990          | 1995          | 2000          | 2005          | 2006          | 2007          | 2008          | 2009          | 2010          |
| Producing wells (year-end)  | 1,000               | 269           | 299           | 342           | 426           | 441           | 453           | 479           | 493           | (NA)          |
| Production value at wells   | Bil. of dol.        | 31.8          | 30.2          | 74.3          | 138.7         | 124.0         | 126.2         | 168.1         | (NA)          | (NA)          |
| Avg. per 1,000 cu. ft.  | Dollars             | 1.71          | 1.55          | 3.68          | 7.33          | 6.39          | 6.25          | 7.96          | (NA)          | (NA)          |
| Proved reserves <sup>1</sup>  | Tril. cu. ft.       | 169           | 165           | 177           | 204           | 211           | 238           | 245           | (NA)          | (NA)          |
| <b>Marketed production<sup>2</sup></b>  | <b>Bil. cu. ft.</b> | <b>18,594</b> | <b>19,506</b> | <b>20,198</b> | <b>18,927</b> | <b>20,410</b> | <b>20,196</b> | <b>21,112</b> | <b>21,604</b> | <b>22,569</b> |
| Minus: Extraction losses <sup>3</sup>   | Bil. cu. ft.        | 784           | 908           | 1,016         | 876           | 906           | 930           | 953           | 938           | (NA)          |
| Equals: Dry production  | Bil. cu. ft.        | 17,810        | 18,599        | 19,182        | 18,051        | 18,504        | 19,266        | 20,286        | 20,955        | (NA)          |
| Plus: Supplemental gas supplies   | Bil. cu. ft.        | 123           | 110           | 90            | 64            | 66            | 63            | 61            | 64            | (NA)          |
| Equals: Dry production with supplemental gas  | Bil. cu. ft.        | 17,932        | 18,709        | 19,272        | 18,114        | 18,570        | 19,329        | 20,347        | 21,019        | (NA)          |
| Plus: Withdrawals from storage  | Bil. cu. ft.        | 1,986         | 3,025         | 3,550         | 3,107         | 2,527         | 3,375         | 3,417         | 2,968         | (NA)          |
| Plus: Imports   | Bil. cu. ft.        | 1,532         | 2,841         | 3,782         | 4,341         | 4,186         | 4,608         | 3,984         | 3,748         | (NA)          |
| Plus: Balancing item <sup>4</sup>   | Bil. cu. ft.        | 307           | 396           | -305          | 232           | 89            | -209          | -133          | -549          | (NA)          |
| Equals: Total supply  | Bil. cu. ft.        | 21,758        | 24,971        | 26,299        | 25,794        | 25,372        | 27,103        | 27,615        | 27,186        | (NA)          |
| Minus: Exports  | Bil. cu. ft.        | 86            | 154           | 244           | 729           | 724           | 822           | 1,006         | 1,071         | (NA)          |
| Minus: Additions to storage <sup>5</sup>  | Bil. cu. ft.        | 2,499         | 2,610         | 2,721         | 3,055         | 2,963         | 3,183         | 3,383         | 3,281         | (NA)          |
| <b>Equals: Consumption, total</b>   | <b>Bil. cu. ft.</b> | <b>19,174</b> | <b>22,207</b> | <b>23,333</b> | <b>22,011</b> | <b>21,685</b> | <b>23,097</b> | <b>23,227</b> | <b>22,834</b> | <b>24,132</b> |
| Lease and plant fuel  | Bil. cu. ft.        | 1,236         | 1,220         | 1,151         | 1,112         | 1,142         | 1,226         | 1,220         | 1,275         | 1,332         |
| Pipeline fuel <sup>6</sup>  | Bil. cu. ft.        | 660           | 700           | 642           | 584           | 584           | 621           | 648           | 598           | 632           |
| Residential   | Bil. cu. ft.        | 4,391         | 4,850         | 4,996         | 4,827         | 4,368         | 4,722         | 4,892         | 4,778         | 4,952         |
| Commercial <sup>7</sup>   | Bil. cu. ft.        | 2,623         | 3,031         | 3,182         | 2,999         | 2,832         | 3,013         | 3,153         | 3,119         | 3,206         |
| Industrial  | Bil. cu. ft.        | 8,255         | 9,384         | 9,293         | 6,597         | 6,512         | 6,648         | 6,661         | 6,167         | 6,600         |
| Vehicle fuel  | Bil. cu. ft.        | (Z)           | 5             | 13            | 23            | 24            | 25            | 26            | 29            | 33            |
| Electric power sector   | Bil. cu. ft.        | 3,245         | 4,237         | 5,206         | 5,869         | 6,222         | 6,841         | 6,668         | 6,872         | 7,378         |
| World production (dry)  | Tril. cu. ft.       | 73.8          | 78.1          | 88.4          | 99.8          | 103.4         | 105.6         | 109.9         | 106.5         | (NA)          |
| U.S. production (dry)   | Tril. cu. ft.       | 17.8          | 18.6          | 19.2          | 18.1          | 18.5          | 19.3          | 20.3          | 21.0          | 21.0          |
| Percent U.S. of world   | Percent             | 24.1          | 23.8          | 21.7          | 18.1          | 17.9          | 18.2          | 18.5          | 19.7          | (NA)          |

NA Not available. Z Less than 500 million cubic feet. <sup>1</sup> Estimated, end of year. Source: U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. <sup>2</sup> Marketed production includes gross withdrawals from reservoirs less quantities used for reservoir repressuring and quantities vented or flared. Excludes nonhydrocarbon gases subsequently removed. <sup>3</sup> Volumetric reduction in natural gas resulting from the removal of natural gas plant liquids, which are transferred to petroleum supply. <sup>4</sup> Quantities lost and imbalances in data due to differences among data sources. Since 1980, excludes intransit shipments that cross U.S.-Canada border (i.e., natural gas delivered to its destination via the other country). <sup>5</sup> Underground storage. Through 2004, includes liquefied natural gas (LNG) storage in above-ground tanks. <sup>6</sup> Natural gas consumed in the operation of pipelines and delivery to consumers. <sup>7</sup> Includes deliveries to municipalities and public authorities for institutional heating and other purposes.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review*, "International Energy Annual"; "U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves"; "Natural Gas Annual"; and "International Energy Statistics," <<http://www.eia.gov>>.

**Table 918. Unconventional Dry Natural Gas Production and Proved Reserves: 2008 and 2009**

[In billions of cubic feet (1,966 represents 1,966,000). For states not shown, no production or reserves were reported]

| State         | Production                   |              |                        |              | Proved reserves <sup>1</sup> |               |                        |               |
|---------------|------------------------------|--------------|------------------------|--------------|------------------------------|---------------|------------------------|---------------|
|               | Coalbed methane <sup>2</sup> |              | Shale gas <sup>3</sup> |              | Coalbed methane <sup>2</sup> |               | Shale gas <sup>3</sup> |               |
|               | 2008                         | 2009         | 2008                   | 2009         | 2008                         | 2009          | 2008                   | 2009          |
| <b>U.S.</b>   | <b>1,966</b>                 | <b>1,914</b> | <b>2,022</b>           | <b>3,110</b> | <b>20,798</b>                | <b>18,578</b> | <b>34,428</b>          | <b>60,644</b> |
| Alabama       | 107                          | 105          | —                      | —            | 1,727                        | 1,342         | 2                      | —             |
| Alaska        | —                            | —            | —                      | —            | —                            | —             | —                      | —             |
| Arkansas      | 3                            | 3            | 279                    | 527          | 31                           | 22            | 3,833                  | 9,070         |
| California    | —                            | —            | —                      | —            | —                            | —             | —                      | —             |
| Colorado      | 497                          | 498          | —                      | —            | 8,238                        | 7,348         | —                      | —             |
| Florida       | —                            | —            | —                      | —            | —                            | —             | —                      | —             |
| Kansas        | 47                           | 43           | —                      | —            | 301                          | 163           | —                      | —             |
| Kentucky      | —                            | —            | 2                      | 5            | —                            | —             | 20                     | 55            |
| Louisiana     | 1                            | 1            | 23                     | 293          | 9                            | —             | 858                    | 9,307         |
| Michigan      | —                            | —            | 122                    | 132          | —                            | —             | 2,894                  | 2,499         |
| Mississippi   | —                            | —            | —                      | —            | —                            | —             | —                      | —             |
| Montana       | 14                           | 12           | 13                     | 7            | 75                           | 37            | 125                    | 137           |
| New Mexico    | 443                          | 432          | —                      | 2            | 3,991                        | 3,646         | —                      | 36            |
| New York      | —                            | —            | —                      | —            | —                            | —             | —                      | —             |
| North Dakota  | —                            | —            | 3                      | 25           | —                            | —             | 24                     | 368           |
| Ohio          | —                            | —            | —                      | —            | 1                            | —             | —                      | —             |
| Oklahoma      | 69                           | 55           | 168                    | 249          | 511                          | 338           | 3,845                  | 6,389         |
| Pennsylvania  | 11                           | 16           | 1                      | 65           | 102                          | 131           | 88                     | 3,790         |
| Texas         | —                            | —            | 1,503                  | 1,789        | —                            | —             | 22,667                 | 28,167        |
| Utah          | 71                           | 71           | —                      | —            | 893                          | 725           | —                      | —             |
| Virginia      | 101                          | 111          | —                      | —            | 1,851                        | 2,261         | —                      | —             |
| West Virginia | 28                           | 31           | —                      | 11           | 246                          | 220           | 14                     | 688           |
| Wyoming       | 573                          | 535          | —                      | —            | 2,781                        | 2,328         | —                      | —             |

— Represents or rounds to zero. <sup>1</sup> Proved reserves of natural gas as of December 31 of the report year are the estimated quantities which analysis of geological and engineering data demonstrate with reasonable certainty to be recoverable in future years from known reservoirs under existing economic and operating conditions. <sup>2</sup> Methane is generated during coal formation and is contained in the coal microstructure. Typical recovery entails pumping water out of the coal to allow the gas to escape. Methane is the principal component of natural gas. Coal bed methane can be added to natural gas pipelines without any special treatment. <sup>3</sup> Natural gas produced from low permeability shale formations.

Source: U.S. Energy Information Administration, "Natural Gas Navigator," <[http://www.eia.gov/dnav/ng/ng\\_sum\\_top.asp](http://www.eia.gov/dnav/ng/ng_sum_top.asp)>, accessed June 2011.

**Table 919. Coal Supply, Disposition, and Prices: 2000 to 2009**

[In millions of short tons (1,073.6 represents 1,073,600,000). 1 short ton = 2,000 lbs.]

| Item   | 2000           | 2004           | 2005           | 2006           | 2007           | 2008           | 2009           |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>United States, total supply</b> . . . . .     | <b>1,073.6</b> | <b>1,112.1</b> | <b>1,131.5</b> | <b>1,162.8</b> | <b>1,146.6</b> | <b>1,171.8</b> | <b>1,072.8</b> |
| Consumption by sector:                           |                |                |                |                |                |                |                |
| Total  | 1,084.1        | 1,107.3        | 1,126.0        | 1,112.3        | 1,128.0        | 1,120.5        | 1,000.4        |
| Electric power                                   | 985.8          | 1,016.3        | 1,037.5        | 1,026.6        | 1,045.1        | 1,040.6        | 936.5          |
| Coke plants                                      | 28.9           | 23.7           | 23.4           | 23.0           | 22.7           | 22.1           | 15.3           |
| Other industrial plants                          | 65.2           | 62.2           | 60.3           | 59.5           | 56.6           | 54.4           | 45.4           |
| Combined heat and power (CHP)                    | 28.0           | 26.6           | 25.9           | 25.3           | 22.5           | 23.6           | (NA)           |
| Noncombined heat and power                       | 37.2           | 35.6           | 34.5           | 34.2           | 34.1           | 31.0           | (NA)           |
| Residential/commercial users                     | 4.1            | 5.1            | 4.7            | 3.2            | 3.5            | 3.5            | 3.2            |
| Year-end coal stocks:                            |                |                |                |                |                |                |                |
| Total <sup>1</sup>                               | 140.0          | 154.0          | 144.3          | 186.9          | 192.8          | 205.1          | 238.8          |
| Electric power                                   | 102.0          | 106.7          | 101.1          | 141.0          | 151.2          | 161.6          | 190.0          |
| Coke plants                                      | 1.5            | 1.3            | 2.6            | 2.9            | 1.9            | 2.3            | 2.0            |
| Other industrial plants                          | 4.6            | 4.8            | 5.6            | 6.5            | 5.6            | 6.0            | 5.1            |
| Producers/distributors                           | 31.9           | 41.2           | 35.0           | 36.5           | 34.0           | 34.7           | 41.3           |
| U.S. coal trade:                                 |                |                |                |                |                |                |                |
| Net exports <sup>2</sup>                         | 46.0           | 20.7           | 19.5           | 13.4           | 22.8           | 47.3           | 36.5           |
| Exports  | 58.5           | 48.0           | 49.9           | 49.6           | 59.2           | 81.5           | 59.1           |
| Steam coal                                       | 25.7           | 21.2           | 21.3           | 22.1           | 27.0           | 39.0           | 21.8           |
| Metallurgical coal                               | 32.8           | 26.8           | 28.7           | 27.5           | 32.2           | 42.5           | 37.3           |
| Imports  | 12.5           | 27.3           | 30.5           | 36.2           | 36.3           | 34.2           | 22.6           |
| Average delivered price (dollars per short ton): |                |                |                |                |                |                |                |
| Electric utilities                               | 24.28          | 27.30          | 31.22          | 34.26          | 36.06          | 41.32          | 44.72          |
| Independent power producers                      | (NA)           | 27.27          | 30.39          | 33.04          | 33.11          | 38.98          | 39.72          |
| Coke plants                                      | 44.38          | 61.50          | 83.79          | 92.87          | 94.97          | 118.09         | 143.04         |
| Other industrial plants                          | 31.46          | 39.30          | 47.63          | 51.67          | 54.42          | 63.44          | 64.87          |
| Average free alongside ship (f.a.s.):            |                |                |                |                |                |                |                |
| Exports  | 34.90          | 54.11          | 67.10          | 70.93          | 70.25          | 97.68          | 101.44         |
| Steam coal                                       | 29.67          | 42.03          | 47.64          | 46.25          | 47.90          | 57.35          | 73.63          |
| Metallurgical coal                               | 38.99          | 63.63          | 81.56          | 90.81          | 88.99          | 134.62         | 117.73         |
| Imports  | 30.10          | 37.52          | 46.71          | 49.10          | 47.64          | 59.83          | 63.91          |

NA Not available. <sup>1</sup> Includes other stocks, not shown separately. <sup>2</sup> Exports minus imports.Source: U.S. Energy Information Administration, "U.S. Coal Supply and Demand: 2009 Review," annual, April 2010, <<http://www.eia.doe.gov/cneaf/coal/page/special/feature.html>>.**Table 920. Coal and Coke—Summary: 1990 to 2009**

[In millions of short tons (1,029 represents 1,029,000,000), except as indicated. Includes coal consumed at mines. Recoverability varies between 40 and 90 percent for individual deposits; 50 percent or more of overall U.S. coal reserve base is believed to be recoverable]

| Item   | Unit                           | 1990         | 1995         | 2000         | 2005         | 2006         | 2007         | 2008         | 2009         |
|--|--------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>COAL</b>  |                                |              |              |              |              |              |              |              |              |
| <b>Coal production, total<sup>1, 2</sup></b> . . . . . | <b>Mil. sh. tons</b> . . . . . | <b>1,029</b> | <b>1,033</b> | <b>1,074</b> | <b>1,131</b> | <b>1,163</b> | <b>1,147</b> | <b>1,172</b> | <b>1,073</b> |
| Value <sup>3</sup> . . . . .                           | Bil. dol. . . . .              | 22.39        | 19.45        | 18.02        | 26.69        | 29.25        | 30.04        | 36.62        | 35.31        |
| Anthracite production <sup>2</sup> . . . . .           | Mil. sh. tons . . . . .        | 3.5          | 4.7          | 4.6          | 1.7          | 1.5          | 1.6          | 1.7          | 1.9          |
| Bituminous coal and lignite <sup>4</sup> . . . . .     | Mil. sh. tons . . . . .        | 1,026        | 1,028        | 1,069        | 1,130        | 1,161        | 1,145        | 1,170        | 1,071        |
| Underground . . . . .                                  | Mil. sh. tons . . . . .        | 425          | 396          | 374          | 369          | 359          | 352          | 357          | 332          |
| Surface <sup>2</sup> . . . . .                         | Mil. sh. tons . . . . .        | 605          | 637          | 700          | 763          | 804          | 795          | 815          | 741          |
| Exports . . . . .                                      | Mil. sh. tons . . . . .        | 106          | 89           | 58           | 50           | 50           | 59           | 82           | 59           |
| Imports . . . . .                                      | Mil. sh. tons . . . . .        | 3            | 9            | 13           | 30           | 36           | 36           | 34           | 23           |
| Consumption <sup>5</sup> . . . . .                     | Mil. sh. tons . . . . .        | 904          | 962          | 1,084        | 1,126        | 1,112        | 1,128        | 1,121        | 1,000        |
| Electric power sector <sup>6</sup> . . . . .           | Mil. sh. tons . . . . .        | 783          | 850          | 986          | 1,037        | 1,027        | 1,045        | 1,041        | 937          |
| Industrial . . . . .                                   | Mil. sh. tons . . . . .        | 115          | 106          | 94           | 84           | 82           | 79           | 77           | 61           |
| Number of mines . . . . .                              | Number . . . . .               | 3,243        | 2,104        | 1,453        | 1,415        | 1,438        | 1,374        | 1,458        | 1,407        |
| Daily employment . . . . .                             | 1,000 . . . . .                | 131          | 90           | 72           | 79           | 83           | 81           | 87           | (NA)         |
| Production, by state: <sup>7</sup>                     |                                |              |              |              |              |              |              |              |              |
| Alabama . . . . .                                      | Mil. sh. tons . . . . .        | 29           | 25           | 19           | 21           | 19           | 19           | 21           | 20           |
| Illinois . . . . .                                     | Mil. sh. tons . . . . .        | 60           | 48           | 33           | 32           | 33           | 32           | 33           | 30           |
| Indiana . . . . .                                      | Mil. sh. tons . . . . .        | 36           | 26           | 28           | 34           | 35           | 35           | 36           | 36           |
| Kentucky . . . . .                                     | Mil. sh. tons . . . . .        | 173          | 154          | 131          | 120          | 121          | 115          | 120          | 109          |
| Montana . . . . .                                      | Mil. sh. tons . . . . .        | 38           | 39           | 38           | 40           | 42           | 43           | 45           | 42           |
| Ohio . . . . .   | Mil. sh. tons . . . . .        | 35           | 26           | 22           | 25           | 23           | 23           | 26           | 25           |
| Pennsylvania . . . . .                                 | Mil. sh. tons . . . . .        | 71           | 62           | 75           | 67           | 66           | 65           | 65           | 60           |
| Virginia . . . . .                                     | Mil. sh. tons . . . . .        | 47           | 34           | 33           | 28           | 30           | 25           | 25           | 23           |
| West Virginia . . . . .                                | Mil. sh. tons . . . . .        | 169          | 163          | 158          | 154          | 152          | 153          | 158          | 147          |
| Wyoming . . . . .                                      | Mil. sh. tons . . . . .        | 184          | 264          | 339          | 404          | 447          | 454          | 468          | 422          |
| Other states . . . . .                                 | Mil. sh. tons . . . . .        | 187          | 192          | 197          | 206          | 196          | 181          | 176          | 158          |
| World production . . . . .                             | Mil. sh. tons . . . . .        | 5,347        | 5,077        | 4,893        | 6,542        | 6,769        | 7,047        | 7,271        | (NA)         |
| Percent U.S. of world . . . . .                        | Percent . . . . .              | 19.2         | 20.3         | 21.9         | 17.3         | 17.2         | 16.3         | 16.1         | (NA)         |
| <b>COKE</b>  |                                |              |              |              |              |              |              |              |              |
| Production . . . . .                                   | Mil. sh. tons . . . . .        | 27.6         | 23.7         | 20.8         | 16.7         | 16.4         | 16.2         | 15.6         | 11.1         |
| Imports . . . . .                                      | Mil. sh. tons . . . . .        | 0.8          | 3.8          | 3.8          | 3.5          | 4.1          | 2.5          | 3.6          | 0.3          |
| Exports . . . . .                                      | Mil. sh. tons . . . . .        | 0.6          | 1.4          | 1.1          | 1.7          | 1.6          | 1.4          | 2.0          | 1.3          |
| Consumption <sup>8</sup> . . . . .                     | Mil. sh. tons . . . . .        | 27.8         | 25.8         | 23.2         | 18.2         | 18.8         | 17.3         | 17.0         | 10.3         |

NA Not available. <sup>1</sup> Includes bituminous coal, subbituminous coal, lignite, and anthracite. <sup>2</sup> Beginning 2005, includes a small amount of refuse recovery. <sup>3</sup> Coal values are based on free-on-board rail/barge prices, which are the free-on-board prices of coal at the point of first sale, excluding freight or shipping and insurance costs. <sup>4</sup> Includes subbituminous. <sup>5</sup> Includes some categories not shown separately. <sup>6</sup> Electricity-only and combined-heat-and-power (CHP) plants whose primary business is to sell electricity and/or heat to the public. <sup>7</sup> Source: U.S. Energy Information, "Weekly Coal Production," Original estimates, August 19, 2010. <sup>8</sup> Consumption is calculated as the sum of production and imports minus exports and stock change.Source: U.S. Energy Information Administration, *Annual Energy Review*, "International Energy Annual," "Annual Coal Report," "Monthly Coal Report," and "International Energy Statistics," <<http://www.eia.doe.gov>>.

**Table 921. Demonstrated Coal Reserves by Major Producing State: 2008 and 2009**

[In millions of short tons (487,768 represents 487,678,000,000), except as number of mines. As of January 1. The demonstrated reserve base represents the sum of coal in both measured and indicated resource categories of reliability. Measured resources of coal are estimates that have a high degree of geologic assurance from sample analyses and measurements from closely spaced and geological well-known sample sites. Indicated resources are estimates based partly from sample and analyses and measurements and partly from reasonable geologic projections]

| State                                       | 2008            |                |                  |                | 2009            |                |                  |                |
|---|-----------------|----------------|------------------|----------------|-----------------|----------------|------------------|----------------|
|   | Number of mines | Total reserves | Method of mining |                | Number of mines | Total reserves | Method of mining |                |
|   |                 |                | Under-ground     | Surface        |                 |                | Under-ground     | Surface        |
| <b>United States</b> <sup>1</sup> . . . . . | <b>1,458</b>    | <b>487,678</b> | <b>332,553</b>   | <b>155,124</b> | <b>1,407</b>    | <b>486,102</b> | <b>331,882</b>   | <b>154,220</b> |
| Alabama . . . . .                           | 59              | 4,106          | 938              | 3,167          | 57              | 4,074          | 915              | 3,158          |
| Alaska . . . . .                            | 1               | 6,105          | 5,423            | 682            | 1               | 6,102          | 5,423            | 680            |
| Arkansas . . . . .                          | 2               | 416            | 272              | 144            | 2               | 416            | 272              | 144            |
| Colorado . . . . .                          | 12              | 16,033         | 11,273           | 4,760          | 11              | 15,981         | 11,222           | 4,760          |
| Illinois . . . . .                          | 19              | 104,286        | 87,757           | 16,529         | 22              | 104,222        | 87,700           | 16,522         |
| Indiana . . . . .                           | 30              | 9,325          | 8,674            | 651            | 33              | 9,271          | 8,649            | 623            |
| Iowa . . . . .                              | (NA)            | 2,189          | 1,732            | 457            | (NA)            | 2,189          | 1,732            | 457            |
| Kansas . . . . .                            | 2               | 971            | (NA)             | 971            | 1               | 971            | –                | 971            |
| Kentucky . . . . .                          | 469             | 29,416         | 16,631           | 12,784         | 449             | 29,294         | 16,505           | 12,729         |
| Kentucky, Eastern . . . . .                 | 446             | 10,073         | 902              | 9,171          | 425             | 9,952          | 828              | 9,124          |
| Kentucky, Western . . . . .                 | 23              | 19,342         | 15,729           | 3,613          | 24              | 19,282         | 15,677           | 3,605          |
| Maryland . . . . .                          | 21              | 627            | 569              | 57             | 22              | 623            | 568              | 55             |
| Missouri . . . . .                          | 2               | 5,988          | 1,479            | 4,509          | 2               | 5,988          | 1,479            | 4,508          |
| Montana . . . . .                           | 6               | 119,067        | 70,957           | 48,110         | 6               | 119,017        | 70,955           | 48,062         |
| New Mexico . . . . .                        | 5               | 12,020         | 6,114            | 5,906          | 5               | 11,984         | 6,101            | 5,883          |
| North Dakota . . . . .                      | 4               | 8,941          | (NA)             | 8,941          | 4               | 8,903          | –                | 8,903          |
| Ohio . . . . .                              | 48              | 23,174         | 17,450           | 5,725          | 46              | 23,127         | 17,415           | 5,712          |
| Oklahoma . . . . .                          | 7               | 1,547          | 1,228            | 319            | 10              | 1,545          | 1,227            | 318            |
| Pennsylvania . . . . .                      | 266             | 27,107         | 22,900           | 4,207          | 244             | 26,998         | 22,802           | 4,195          |
| Anthracite . . . . .                        | 66              | 7,192          | 3,842            | 3,350          | 64              | 7,190          | 3,842            | 3,348          |
| Bituminous . . . . .                        | 200             | 19,914         | 19,057           | 857            | 180             | 19,807         | 18,960           | 847            |
| Tennessee . . . . .                         | 23              | 762            | 505              | 258            | 25              | 759            | 503              | 256            |
| Texas . . . . .                             | 11              | 12,227         | (NA)             | 12,227         | 12              | 12,183         | (NA)             | 12,183         |
| Utah . . . . .                              | 9               | 5,246          | 4,979            | 268            | 8               | 5,203          | 4,935            | 268            |
| Virginia . . . . .                          | 114             | 1,555          | 1,030            | 525            | 108             | 1,519          | 1,004            | 515            |
| Washington . . . . .                        | (NA)            | 1,340          | 1,332            | 8              | (NA)            | 1,340          | 1,332            | 8              |
| West Virginia . . . . .                     | 301             | 32,187         | 28,669           | 3,518          | 283             | 31,955         | 28,507           | 3,448          |
| Wyoming . . . . .                           | 20              | 62,104         | 42,486           | 19,618         | 20              | 61,563         | 42,479           | 19,084         |

– Represents zero. NA Not available. <sup>1</sup> Includes other states not shown separately.

Source: U.S. Energy Information Administration, *Annual Coal Report, 2009*, September 2010. See also <[http://www.eia.doe.gov/coal/page/acr/acr\\_sum.html](http://www.eia.doe.gov/coal/page/acr/acr_sum.html)>.

**Table 922. Uranium Concentrate Industry—Summary: 1990 to 2009**

[In millions of feet (1.7 represents 1,700,000), except as indicated. See also Section 19, Table 938]

| Item  | Unit                   | 1990   | 1995  | 2000  | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  |
|---|------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Exploration and development, surface drilling . . . . . | Mil. ft. . . . .       | 1.7    | 1.3   | 1.0   | 1.2   | 1.7   | 2.7   | 5.1   | 5.1   | 3.7   |
| Expenditures . . . . .                                  | Mil. dol. . . . .      | (NA)   | 2.6   | 5.6   | 10.6  | 18.1  | 40.1  | 67.5  | 81.9  | 35.4  |
| Number of mines operated . . . . .                      | Number . . . . .       | 39     | 12    | 10    | 6     | 10    | 11    | 12    | 17    | 20    |
| Underground . . . . .                                   | Number . . . . .       | 27     | –     | 1     | 2     | 4     | 5     | 6     | 10    | 14    |
| Openpit . . . . .                                       | Number . . . . .       | 2      | –     | –     | –     | –     | –     | –     | –     | –     |
| In situ leaching . . . . .                              | Number . . . . .       | 7      | 5     | 4     | 3     | 4     | 5     | 5     | 6     | 4     |
| Other sources <sup>1</sup> . . . . .                    | Number . . . . .       | 3      | 7     | 5     | 1     | 2     | 1     | 1     | 1     | 2     |
| Mine production . . . . .                               | 1,000 pounds . . . . . | 5,876  | 3,528 | 3,123 | 2,452 | 3,045 | 4,692 | 4,541 | 3,879 | 4,145 |
| Underground . . . . .                                   | 1,000 pounds . . . . . | (D)    | –     | (D)   | (D)   | (D)   | (D)   | (D)   | (D)   | (D)   |
| Openpit . . . . .                                       | 1,000 pounds . . . . . | 1,881  | –     | –     | –     | –     | –     | –     | –     | –     |
| In situ leaching . . . . .                              | 1,000 pounds . . . . . | (D)    | 3,372 | 2,995 | (D)   | 2,681 | 4,259 | (D)   | (D)   | (D)   |
| Other sources <sup>1</sup> . . . . .                    | 1,000 pounds . . . . . | 3,995  | 156   | 128   | (D)   | (D)   | (D)   | (D)   | (D)   | (D)   |
| Uranium concentrate production . . . . .                | 1,000 pounds . . . . . | 8,886  | 6,043 | 3,958 | 2,282 | 2,689 | 4,106 | 4,534 | 3,092 | 3,708 |
| Concentrate shipments from mills and plants . . . . .   | 1,000 pounds . . . . . | 12,957 | 5,500 | 3,187 | 2,280 | 2,702 | 3,838 | 4,050 | 4,130 | 3,620 |
| Employment . . . . .                                    | Person-years . . . . . | 1,335  | 1,107 | 627   | 420   | 648   | 755   | 1,231 | 1,563 | 1,096 |

– Represents zero. D Data withheld to avoid disclosing figures for individual companies. NA Not available. <sup>1</sup> Includes mine water, mill site cleanup and mill tailings, and well field restoration as sources of uranium.

Source: U.S. Energy Information Administration, through 2002, *Uranium Industry*, annual. Thereafter, "Domestic Uranium Production Report" annual, July 2010. See also <<http://www.eia.doe.gov/coal/nuclear/dupr/dupr.html>>.