

Natural Resources

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 *An Analysis of the Timber Situation in the United States, 1989-2040, 1990*; *Forest Resources of the United States, 1992*; *U.S. Timber Production, Trade, Consumption, and Price Statistics*; *Land Areas of the National Forest System*, issued annually by the Forest Service of the Department of Agriculture; *Agricultural Statistics* issued by the Department of Agriculture; and reports of the census of manufactures (taken every 5 years) and the annual *Current Industrial Reports*, issued by the Bureau of the Census. 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 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 which 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

In Brief

The Real Gross Domestic Product for this sector reached \$294 billion in 1994, or about 4.4% of the U.S. economy.

Production of paper and paperboard products reached a record 91.4 million tons in 1995.

Domestic catch of fishery products decreased in 1995 for the second year in a row to 9.9 million pounds, from the record catch of 10.5 million of 1993.

U.S. crude oil production continued a five-year decline in 1996 as 2.36 billion barrels were extracted compared to 2.70 billion in 1991. Crude oil imports again exceeded production in 1996 with 2.7 billion barrels coming ashore.

(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 Magnuson Fishery Conservation and Management Act of 1976 (Magnuson Act), Public Law 94-265 as amended, provides for the conservation and management of all fishery resources within the U.S. Exclusive Economic Zone (EEZ), and gives the Federal Government exclusive authority over domestic and foreign fisheries within 200 nautical miles of U.S. shores and over certain living marine resources beyond the EEZ. Within the EEZ, the total allowable level of foreign fishing, if any, is that portion of the "optimum yield" not harvested by U.S. vessels. Adjustments in the "optimum yield" level may occur periodically.

For details, see Fisheries of the United States, 1995.

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 26 and 30 of this *Abstract*; data on mining employment may be found in section 13.

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*, published by the U.S. Geological Survey, Department of the Interior, and various monthly and annual publications of the Energy Information Administration, Department of Energy. See text, section 19, for list of Department of Energy publications. In addition, the Bureau of the Census 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., Phila-

delphia, 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 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.

Censuses of mineral industries have been conducted by the Bureau of the Census at various intervals since 1840. Beginning with the 1967 census, legislation provides for a census to be conducted every 5 years for years ending in "2" and "7." 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. Commodity statistics on many manufactured mineral products are also collected by the Bureau at monthly, quarterly, or annual intervals and issued in its *Current Industrial Reports* series.

In general, figures shown in the individual commodity tables include data for outlying areas and may therefore not agree with summary tables. Except for crude petroleum and refined products, the export and import figures include foreign trade passing through the customs districts of United States and Puerto Rico, but exclude shipments between U.S. territories and the customs districts.

No. 1131. Gross Domestic Product of Agriculture, Forestry, Fishing, Mining, and Timber-Related Industries in Current and Real (1992) Dollars, by Industry: 1990 to 1994

[In billions of dollars, except as indicated. 1990-94 are based on the 1987 Standard Industrial Classification (SIC). 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 (1992) DOLLARS			
	1990	1992	1993	1994	1990	1992	1993	1994
All industries, total ¹	5,743.8	6,244.4	6,550.2	6,931.4	6,138.7	6,244.4	6,383.8	6,604.2
Industries covered	298.1	282.5	277.2	297.9	279.5	282.5	272.6	293.6
Percent of all industries	5.2	4.5	4.2	4.3	4.6	4.5	4.3	4.4
Agriculture, forestry, and fishing	108.7	112.4	105.3	117.8	101.5	112.4	103.3	115.7
Farms	79.6	80.5	72.0	82.2	72.8	80.5	70.9	83.9
Agricultural services	29.1	31.9	33.3	35.7	28.6	31.9	32.3	32.1
Mining ¹	112.3	92.2	89.0	90.1	96.9	92.2	90.7	96.7
Metal mining	4.8	5.5	4.9	5.0	3.7	5.5	5.2	4.5
Coal mining	13.2	13.6	12.5	13.8	12.0	13.6	13.9	16.2
Oil and gas extraction	86.4	65.0	63.6	62.8	73.5	65.0	63.3	67.7
Nonmetallic minerals, except fuels	7.8	8.2	8.1	8.5	7.7	8.2	8.3	8.6
Timber-related manufacturing	77.1	77.8	82.9	90.0	81.1	77.8	78.6	81.2
Lumber and wood products	31.8	32.0	35.3	41.0	37.0	32.0	28.7	31.5
Paper and allied products	45.3	45.8	47.6	49.0	44.1	45.8	49.9	49.7

¹ For additional industries, see table 693.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1996.

No. 1132. National Forest System—Summary: 1980 to 1994

[For fiscal years ending in year shown; see text, section 9. Includes Puerto Rico, except as noted]

ITEM	Unit	1980	1985	1988	1989	1990	1991	1992	1993	1994
Timber cut, total value	Mil. dol. . .	737	725	1,243	1,313	1,191	1,012	938	918	797
Commercial and cost sales: ¹										
Volume	Mil. bd. ft.	9,178	10,941	12,649	11,951	10,500	8,475	7,290	5,917	4,815
Value	Mil. dol. . .	730	721	1,240	1,310	1,188	1,009	935	915	783
Free use:										
Volume	Mil. bd. ft.	2,070	399	223	214	151	121	80	80	80
Value ²	Mil. dol. . .	5.7	2.2	1.2	1.2	1.0	1.0	0.8	0.8	0.8
Misc. forest products:										
Value	Mil. dol. . .	1.1	1.7	2.0	2.2	2.6	2.7	2.7	2.8	3.1
Livestock grazing: ³										
Cattle and horses ⁴	1,000 . . .	1,521	1,565	1,313	1,526	1,236	1,265	1,408	1,318	1,229
Sheep and goats	1,000 . . .	1,328	1,183	1,067	972	958	1,029	1,183	1,111	941
Roads and trails:										
Road construction ⁵	Miles . . .	925	1,903	1,352	866	857	910	853	816	520
Trail construction ^{5 6}	Miles . . .	2,419	987	1,834	1,944	1,635	1,921	1,976	1,976	2,113
Receipts, total	Mil. dol. . .	703	636	980	1,051	971	772	614	504	516
Timber use	Mil. dol. . .	625	515	888	910	849	667	520	425	431
Grazing use	Mil. dol. . .	16	9	9	11	10	11	11	11	11
Special land use, etc.	Mil. dol. . .	62	112	83	130	112	93	84	88	72
Payments to local govt. ⁷	Mil. dol. . .	240	229	325	368	368	335	322	323	320
Allotments to Forest Service ⁸	Mil. dol. . .	73	60	104	111	106	88	(NA)	(NA)	(NA)

NA Not available. ¹ Includes land exchanges. ² Includes some free use timber not reducible to board feet. ³ Covers number actually grazed. Excludes Puerto Rico. ⁴ Excludes animals under 6 months of age. Includes burros. ⁵ Includes reconstruction. ⁶ Includes work accomplished by Human Resource Programs and volunteers. ⁷ Payments made in following year. ⁸ For use in following year.

Source: U.S. Forest Service, *Timber Demand and Technology Assessment*, RWU-4861. Also in *Agricultural Statistics*, annual.

No. 1133. National Forest System Land—States and Other Areas: 1992

[In thousands of acres. As of Sept. 30]

STATE	GROSS AREA WITHIN UNIT BOUNDARIES ¹	NATIONAL FOREST SYSTEM LAND ²	OTHER LANDS WITHIN UNIT BOUNDARIES	STATE	GROSS AREA WITHIN UNIT BOUNDARIES ¹	NATIONAL FOREST SYSTEM LAND ²	OTHER LANDS WITHIN UNIT BOUNDARIES
United States	231,502	191,453	40,049	Nebraska	442	352	90
Alabama	1,288	659	629	Nevada	6,275	5,801	474
Alaska	24,345	22,193	2,152	New Hampshire	825	721	104
Arizona	11,887	11,247	641	New Jersey	-	-	-
Arkansas	3,490	2,529	961	New Mexico	10,367	9,321	1,045
California	24,401	20,616	3,785	New York	13	13	-
Colorado	16,037	14,467	1,570	North Carolina	3,165	1,234	1,932
Connecticut	(Z)	(Z)	-	North Dakota	1,106	1,106	(Z)
Delaware	-	-	-	Ohio	833	212	622
Florida	1,254	1,135	119	Oklahoma	465	301	164
Georgia	1,846	860	986	Oregon	17,504	15,655	1,849
Hawaii	(Z)	(Z)	-	Pennsylvania	744	513	231
Idaho	21,674	20,441	1,233	Rhode Island	-	-	-
Illinois	840	268	572	South Carolina	1,376	609	767
Indiana	644	189	455	South Dakota	2,352	2,013	339
Iowa	-	-	-	Tennessee	1,212	628	585
Kansas	116	108	8	Texas	1,994	755	1,240
Kentucky	2,102	673	1,428	Utah	9,186	8,099	1,087
Louisiana	1,022	601	421	Vermont	816	345	471
Maine	93	53	40	Virginia	3,223	1,648	1,575
Maryland	-	-	-	Washington	10,061	9,160	901
Massachusetts	-	-	-	West Virginia	1,863	1,025	838
Michigan	4,895	2,849	2,046	Wisconsin	2,023	1,518	505
Minnesota	5,467	2,815	2,652	Wyoming	9,704	9,255	449
Mississippi	2,310	1,153	1,157	Puerto Rico	56	28	28
Missouri	3,082	1,478	1,603	Virgin Islands	(Z)	(Z)	-
Montana	19,102	16,806	2,296				

- Represents zero. Z Less than half the unit of measure. ¹ Comprises all publicly and privately owned land within authorized boundaries of national forests, purchase units, national grasslands, Land utilization projects, research and experimental areas, and other areas. ² Federally owned land within the "gross area within unit boundaries."

Source: U.S. Forest Service, *Land Areas of the National Forest System*, annual.

No. 1134. Forest and Timberland Area, Sawtimber and Stock: 1970 to 1992

[As of Jan. 1]

YEAR AND REGION	Total forest land (mil. acres)	TIMBERLAND, OWNERSHIP ¹				SAWTIMBER, NET VOLUME ³		GROWING STOCK, NET VOLUME ⁴	
		All ownershps (mil. acres)	Federally owned or managed (mil. acres)	State, county, and municipal (mil. acres)	Private (mil. acres)	Total (bil. cu. ft.)	Softwood (bil. cu. ft.)	Total (bil. cu. ft.)	Softwood (bil. cu. ft.)
United States, 1970	754	504	116	29	360	2,587	2,035	694	458
North	(NA)	154	11	18	126	295	81	146	39
South	(NA)	203	15	3	185	569	302	191	87
Rocky Mountains	(NA)	65	42	2	20	398	384	101	95
Pacific Coast	(NA)	82	47	5	29	1,325	1,268	257	238
United States, 1987	731	485	97	34	354	2,853	2,040	766	453
North	165	154	11	19	124	459	126	190	48
South	203	197	16	4	177	781	388	245	106
Rocky Mountains	142	61	39	3	20	411	394	108	100
Pacific Coast	220	72	31	8	32	1,202	1,132	223	199
United States, 1992	737	490	97	35	358	2,992	2,047	786	450
North	168	158	11	19	127	540	137	207	51
South	212	199	16	4	179	842	389	251	103
Rocky Mountains	140	63	40	3	20	415	397	110	101
Pacific Coast	217	70	30	8	32	1,196	1,124	218	195

NA Not available. ¹ Timberland is forest land that is producing or is capable of crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as timberland have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included. ² Includes Indian lands. ³ Sawtimber is timber suitable for sawing into lumber. 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 diameter, and hardwood trees must be at least 11.0-inches diameter at 4 1/2 feet above ground. International 1/4-inch rule. ⁴ Live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches diameter or larger at 4 1/2 feet above ground.

Source: U.S. Forest Service, *Forest Resources of the United States, 1992*.

No. 1135. Timber-Based Industries—Summary of Manufactures: 1992 and 1995

[Data based on 1987 Standard Industrial Classification Manual, published by the Office of Management and Budget, see text, section 26. N.e.c. = Not elsewhere classified]

INDUSTRY	SIC ¹ code	1992			1995		
		All employees		Value of shipments (bil. dol.)	All employees		Value of shipments (bil. dol.)
		Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)	
Logging and sawmills	241/242	221.7	4,739	31.3	266.6	6,008	45.6
Logging	2411	83.6	1,693	13.8	86.8	1,891	16.8
Sawmills/planning mills, general	2421	138.1	3,046	21.1	142.7	3,432	25.8
Hardwood dimension and flooring mills	2426	28.5	502	2.0	35.3	654	1.5
Special product sawmills, n.e.c.	2429	1.8	31	0.1	1.7	31	0.1
Millwork and veneer ²	243	224.8	5,029	24.8	255.5	5,957	31.3
Millwork	2431	86.3	1,984	9.6	93.9	2,220	11.1
Wood kitchen cabinets	2434	62.8	1,308	4.9	72.9	1,572	6.4
Hardwood veneer and plywood	2435	20.1	395	2.2	22.1	459	2.6
Softwood veneer and plywood	2436	31.3	827	5.4	32.3	934	6.9
Structural wood members, n.e.c.	2439	24.3	515	2.5	34.3	773	4.2
Wood containers	244	39.9	640	2.9	49.6	846	4.0
Wood buildings, mobile homes	245	56.1	1,227	6.6	75.2	1,799	10.7
Miscellaneous wood products	249	84.6	1,737	10.4	94.3	2,013	13.3
Pulp mills	261	15.9	689	5.5	13.4	631	6.9
Paper mills	262	130.6	5,421	32.8	118.7	5,548	45.1
Paperboard mills	263	51.5	2,136	16.1	56.9	2,563	24.5
Paperboard containers and boxes	265	198.8	5,706	32.6	208.5	6,437	41.7
Setup paperboard boxes	2652	6.6	129	0.4	(S)	(S)	(S)
Corrugated and solid fiber boxes	2653	111.7	3,264	19.8	124.2	3,863	27.5
Fiber cans, tubes, drums, and similar products	2655	12.4	337	1.9	11.9	349	2.1
Sanitary food containers, except folding	2656	15.4	386	2.5	14.0	377	2.6
Folding paperboard boxes, including sanitary	2657	52.7	1,590	7.9	53.5	1,716	8.8
Converted paper and paperboard products ³	267	229.1	6,525	46.1	232.0	7,058	54.4

¹ S Figure does not meet publication standards. ¹ Standard Industrial Classification code; see text, section 13. ² Includes plywood and structural members. ³ Except containers and boxes.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1992 Final Industry Series, and Annual Survey of Manufactures*.

No. 1136. Timber Products—Production, Foreign Trade, and Consumption, by Type of Product: 1980 to 1994

[In millions of cubic feet, roundwood equivalent]

ITEM	Unit	1980	1985	1990	1991	1992	1993	1994, prel.
Industrial roundwood:								
Domestic production	Mil. cu. ft. . .	12,123	13,411	15,413	14,780	14,994	14,632	14,904
Imports	Mil. cu. ft. . .	2,570	3,430	3,000	2,873	3,104	3,464	3,649
Exports	Mil. cu. ft. . .	1,857	1,533	2,426	2,398	2,469	2,280	2,266
Consumption	Mil. cu. ft. . .	12,835	15,307	15,986	15,153	15,628	15,816	16,287
Lumber:								
Domestic production	Mil. cu. ft. . .	5,305	6,210	7,213	6,677	6,864	6,660	6,880
Imports	Mil. cu. ft. . .	1,545	2,251	1,786	1,726	1,970	2,246	2,420
Exports	Mil. cu. ft. . .	395	295	570	565	540	504	482
Consumption	Mil. cu. ft. . .	6,455	8,166	8,429	7,838	8,294	8,402	8,818
Plywood and veneer:								
Domestic production	Mil. cu. ft. . .	1,175	1,426	1,368	1,226	1,265	1,257	1,268
Imports	Mil. cu. ft. . .	120	196	96	83	100	101	95
Exports	Mil. cu. ft. . .	45	25	110	95	107	101	88
Consumption	Mil. cu. ft. . .	1,250	1,596	1,354	1,214	1,258	1,257	1,275
Pulp products:								
Domestic production	Mil. cu. ft. . .	4,390	4,561	5,353	5,434	5,463	5,391	5,417
Imports	Mil. cu. ft. . .	880	968	1,114	1,062	1,027	1,102	1,116
Exports	Mil. cu. ft. . .	579	454	784	806	946	889	913
Consumption	Mil. cu. ft. . .	4,691	5,075	5,683	5,588	5,544	5,604	5,620
Logs:								
Imports	Mil. cu. ft. . .	25	16	4	2	7	15	18
Pulpwood chips, exports	Mil. cu. ft. . .	278	144	288	331	351	326	354
Fuelwood consumption	Mil. cu. ft. . .	3,105	3,450	3,019	3,028	3,044	3,084	3,134

Source: U.S. Forest Service, *Timber Demand and Technology Assessment*, RWU-4861. Also in *Agricultural Statistics*, annual.

No. 1137. Selected Timber Products—Imports and Exports: 1980 to 1994

ITEM	Unit	1980	1985	1988	1989	1990	1991	1992	1993	1994, prel.
IMPORTS ¹										
Lumber, total ²	Mil. bd. ft.	9,866	14,996	14,226	15,277	12,159	11,756	13,474	15,625	16,786
From Canada	Percent	97.5	97.6	97.5	91.3	98.5	98.3	98.3	97.6	98.1
Logs, total	Mil. bd. ft. ³	128	99	68	42	28	15	46	94	110
From Canada	Percent	97.4	81.8	91.9	61.5	67.5	74.5	88.9	77.7	69.2
Paper and board ⁴	1,000 tons	8,780	11,522	13,110	13,100	13,148	12,167	12,543	13,971	9,321
Woodpulp	1,000 tons	4,051	4,466	4,938	5,105	4,893	4,997	5,029	5,413	5,650
Plywood	Mil. sq. ft. ⁵	1,235	1,817	1,698	1,955	1,687	1,457	1,776	1,798	1,692
EXPORTS										
Lumber, total ²	Mil. bd. ft.	2,494	1,945	4,527	4,243	3,802	3,997	3,603	3,385	3,334
To: Canada	Percent	25.3	23.7	17.6	15.6	18.1	15.1	17.3	17.4	18.9
Japan	Percent	26.0	32.1	34.5	38.1	33.5	30.5	30.9	36.3	44.2
Europe	Percent	23.8	15.1	20.5	16.6	19.1	19.6	21.2	15.9	16.2
Logs, total	Mil. bd. ft. ³	3,261	3,843	4,798	4,745	4,262	3,816	3,316	2,877	2,684
To: Canada	Percent	9.7	11.6	7.9	5.8	9.3	11.2	12.6	13.6	36.7
Japan	Percent	78.0	49.4	50.3	63.5	62.5	56.7	62.1	65.4	49.7
China: Mainland	Percent	2.7	27.8	23.4	9.6	8.5	9.7	7.1	4.6	5.3
Paper and board ⁴	1,000 tons	5,214	4,071	5,691	6,300	6,796	8,331	8,971	9,126	4,302
Woodpulp	1,000 tons	3,806	3,796	5,528	6,231	5,906	6,337	7,222	6,499	6,728
Plywood	Mil. sq. ft. ⁵	413	358	1,093	1,562	1,767	1,552	1,759	1,648	1,455

¹ Customs value of imports; see text, section 28. ² Includes railroad ties. ³ Log scale. ⁴ Includes paper and board products. Excludes hardboard. ⁵ 3/8 inch basis.

Source: U.S. Forest Service, *Timber Demand and Technology Assessment*, RWU-4861. Also in *Agricultural Statistics*, annual.

No. 1138. Lumber Consumption, by Species Group and End Use: 1970 to 1994

[In million board feet, except per capita in board feet. Per capita consumption based on estimated resident population as of July 1]

ITEM	1970	1976	1986	1991	1994	END-USE				
						1970	1976	1986	1991	
Total	39.9	44.7	57.0	54.8	60.4	New housing	13.3	17.0	19.3	15.0
Per capita	194	205	237	217	232	Residential upkeep and improvements	4.7	5.7	10.1	11.6
						New nonresidential construction ¹	4.7	4.5	5.3	5.4
Species group:						Manufacturing	4.7	4.9	4.8	5.6
Softwoods	32.0	36.6	48.0	44.0	48.2	Shipping	5.7	5.9	6.8	8.2
Hardwoods	7.9	8.0	9.0	10.8	12.2	Other ²	6.8	6.7	10.9	8.8

¹ In addition to new construction, includes railroad ties laid as replacements in existing track and lumber used by railroads for railcar repair. ² 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, *Timber Demand and Technology Assessment*, RWU-4861. Also in *Agricultural Statistics*, annual.

No. 1139. Selected Timber Products—Producer Price Indexes: 1990 to 1996

[1982=100]

PRODUCT	1990	1991	1992	1993	1994	1995	1996
Lumber and wood products	129.7	132.1	146.6	174.0	180.0	178.1	176.1
Lumber	124.6	124.9	144.7	183.4	188.4	173.4	179.9
Softwood lumber	123.8	125.7	148.6	193.0	198.1	178.5	189.7
Hardwood lumber	131.0	128.5	140.7	163.3	168.3	167.0	164.0
Millwork	130.4	135.5	143.3	156.6	162.4	163.8	166.6
General millwork	132.0	138.1	146.3	158.5	163.6	165.4	167.9
Prefabricated structural members	122.3	122.4	132.7	159.7	169.3	163.5	167.5
Plywood	114.2	114.3	133.3	152.8	158.6	165.3	156.6
Softwood plywood	119.6	120.8	147.2	169.7	176.8	188.1	(NA)
Hardwood plywood and related products	102.7	102.8	106.9	115.4	122.3	122.2	125.0
Other wood products	114.7	118.6	124.5	135.3	137.7	143.7	127.3
Boxes	119.1	123.6	127.5	138.2	141.3	145.0	147.1
Pulp, paper, and allied products	141.2	142.9	145.2	147.3	152.5	172.2	168.6
Pulp, paper, and prod, ex bldg paper	132.9	129.8	129.2	127.6	133.1	163.4	149.7
Woodpulp	151.3	119.2	118.9	104.2	115.9	183.2	133.2
Wastepaper	138.9	121.4	117.5	117.4	209.5	371.1	141.7
Paper	128.8	126.9	123.2	123.8	126.0	159.0	149.2
Writing and printing papers	129.1	124.8	120.2	120.5	121.7	158.4	(NA)
Newsprint	119.6	120.9	109.8	112.1	116.7	161.8	(NA)
Paperboard	135.7	130.2	134.3	130.0	140.5	183.1	155.6
Converted paper and paperboard products	135.2	134.8	134.8	133.7	136.7	157.0	153.4
Office supplies and accessories	121.4	119.5	116.4	115.3	116.9	134.9	(NA)
Building paper & building board mill prods.	112.2	111.8	119.6	132.7	144.1	144.9	137.2

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly.

No. 1140. Selected Species—Stumpage Prices in Current and Constant (1982) Dollars: 1990 to 1994

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

SPECIES	CURRENT DOLLARS					CONSTANT (1982) DOLLARS ¹				
	1990	1991	1992	1993	1994	1990	1991	1992	1993	1994
Softwoods:										
Douglas fir ²	466	395	477	318	352	401	339	407	270	542
Southern pine ³	127	166	198	217	253	109	143	169	184	218
Sugar pine ⁴	285	241	492	598	617	245	207	419	508	512
Ponderosa pine ^{4,5}	252	238	292	535	318	217	204	249	455	264
Western hemlock ⁶	203	164	165	364	336	175	141	140	309	278
Hardwoods:										
All eastern hardwoods ⁷	146	160	167	264	192	126	137	142	224	128
Oak, white, red, and black ⁷	188	164	211	195	278	162	140	180	166	231
Maple, sugar ⁸	135	121	145	220	313	116	104	123	187	260

¹ Deflated by the producer price index, all commodities. ² Western Washington and western Oregon. ³ Southern region. ⁴ Pacific Southwest region (formerly California region). ⁵ Includes Jeffrey pine. ⁶ Pacific Northwest region. ⁷ Eastern and Southern regions. ⁸ Eastern region.

Source: U.S. Forest Service, *Timber Demand and Technology Assessment*, RWU-4861. Also in *Agricultural Statistics*, annual.

No. 1141. Paper and Paperboard—Production and New Supply: 1980 to 1995

[In thousands of short tons]

ITEM	1980	1985	1988	1989	1990	1991	1992	1993	1994	1995
Total Production	63,600	68,683	78,299	78,573	80,445	81,234	84,701	86,693	90,897	91,339
Total paper	30,116	34,061	38,353	38,266	39,361	39,084	40,973	41,745	43,356	42,881
Total paperboard	30,926	32,922	38,234	38,519	39,318	40,343	41,895	43,113	45,724	46,640
Unbleached kraft	15,295	16,368	19,140	19,490	20,357	20,960	21,658	21,447	22,469	22,698
Semichemical	4,724	5,088	5,664	5,656	5,640	5,552	5,762	5,672	5,943	5,662
Bleached kraft	3,836	3,911	4,511	4,521	4,399	4,572	4,503	4,583	5,029	5,304
Recycled	7,071	7,555	8,919	8,852	8,921	9,259	9,973	11,410	12,283	12,977
Wet machine board E	138	130	100	99	96	96	93	95	96	96
Building paper E	1,369	680	732	706	723	782	795	797	787	787
Insulating board E	1,051	890	880	982	946	929	945	943	934	934
New supply, all grades, excl. products	67,783	76,199	86,427	86,123	87,683	86,014	89,631	93,146	97,447	98,142
Total paper	37,126	43,557	49,085	48,376	49,485	47,380	49,232	51,247	53,076	52,747
Newsprint	11,377	12,758	13,555	13,209	13,412	12,462	12,658	12,750	12,889	12,753
Printing/writing papers	16,124	20,658	25,006	24,449	25,456	24,651	26,013	27,846	29,442	29,551
Packaging and ind. conv. papers	5,243	5,163	5,030	4,982	4,718	4,596	4,783	4,628	4,640	4,227
Tissue	4,382	4,978	5,494	5,737	5,899	5,672	5,778	6,022	6,105	6,215
Paperboard, total	27,689	30,595	35,438	35,806	36,301	36,753	38,453	39,950	42,436	43,448
Construction and other	2,968	2,048	1,903	1,941	1,897	1,881	1,946	1,949	1,935	1,947

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

No. 1142. Newsprint—Production, Stocks, Consumption, and Price Index: 1980 to 1995

[In thousands of metric tons, except price index]

COUNTRY AND ITEM	1980	1985	1989	1990	1991	1992	1993	1994	1995
Canada: Production	8,625	8,890	9,640	9,068	8,855	8,753	9,130	9,321	9,250
Shipments from mills	8,622	8,899	9,606	9,074	8,728	9,143	(NA)	(NA)	(NA)
Stocks at mills, end of year	165	288	321	315	564	351	(NA)	(NA)	(NA)
United States:									
Consumption, estimate	10,088	11,507	12,241	12,125	11,381	11,634	(NA)	(NA)	(NA)
Production	4,239	4,924	5,523	5,997	6,206	6,424	6,412	6,336	6,352
Shipments from mills	4,234	4,927	5,515	6,007	6,152	6,464	(NA)	(NA)	(NA)
Stocks, end of year: At mills	21	57	56	46	98	59	(NA)	(NA)	(NA)
At and in transit to publishers	732	910	749	801	932	938	(NA)	(NA)	(NA)
Producer price index (1982=100)	188.5	105.3	122.5	119.6	120.9	109.8	112.1	116.7	161.8

NA Not available. ¹ Average for 11 months.

Source: 1980-1993, U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly; beginning 1994, American Forest and Paper Association, Washington, DC, and Canadian Pulp & Paper Association.

No. 1143. Fishery Products—Domestic Catch, Imports, and Disposition: 1980 to 1995

[Live weight, in millions of pounds, except percent. For data on commercial catch for selected countries, see table 1375, section 30]

ITEM	1980	1985	1987	1988	1989	1990	1991	1992	1993	1994	1995
Total	11,357	15,150	15,744	14,628	15,485	16,349	16,364	16,106	20,334	19,309	16,600
For human food	8,006	9,337	10,561	10,505	12,268	12,662	13,020	13,242	13,821	13,714	13,700
For industrial use	3,351	5,813	5,183	4,123	3,217	3,687	3,344	2,864	6,513	5,595	2,900
Domestic catch	6,482	6,258	6,896	7,192	8,463	9,404	9,484	9,637	10,467	10,461	9,904
For human food	3,654	3,294	3,946	4,588	6,204	7,041	7,031	7,618	8,214	7,936	7,783
For industrial use	2,828	2,964	2,950	2,604	2,259	2,363	2,453	2,019	2,253	2,525	2,121
Imports ¹	4,875	8,892	8,848	7,436	7,022	6,945	6,879	6,469	9,867	8,848	6,696
For human food	4,352	6,043	6,615	5,917	6,064	5,621	5,989	5,624	5,607	5,778	5,917
For industrial use ²	523	2,849	2,233	1,519	958	1,324	890	845	4,260	3,070	779
Disposition of domestic catch	6,482	6,258	6,896	7,192	8,463	9,404	9,484	9,637	10,467	10,461	9,904
Fresh and frozen	2,621	2,242	3,157	3,813	5,585	6,501	6,541	7,288	7,744	7,475	7,215
Canned	1,161	1,232	1,009	1,017	798	751	674	543	649	622	769
Cured	96	70	89	86	128	126	119	100	115	95	90
Reduced to meal, oil, etc.	2,604	2,714	2,641	2,276	1,952	2,026	2,150	1,696	1,959	2,269	1,830

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

No. 1144. Fisheries—Quantity and Value of Domestic Catch: 1980 to 1995

YEAR	QUANTITY (mil. lb. ¹)			Value (mil. dol.)	Average price per lb. (cents)	YEAR	QUANTITY (mil. lb. ¹)			Value (mil. dol.)	Average price per lb. (cents)
	Total	For human food	For industrial products ²				Total	For human food	For industrial products ²		
1980	6,482	3,654	2,828	2,237	34.5	1988	7,192	4,588	2,604	3,520	48.9
1981	5,977	3,547	2,430	2,388	40.0	1989	8,463	6,204	2,259	3,238	38.3
1982	6,367	3,285	3,082	2,390	37.5	1990	9,404	7,041	2,363	3,522	37.5
1983	6,439	3,238	3,201	2,355	36.6	1991	9,484	7,031	2,453	3,308	34.9
1984	6,438	3,320	3,118	2,350	36.5	1992	9,637	7,618	2,019	3,678	38.2
1985	6,258	3,294	2,964	2,326	37.2	1993	10,467	8,214	2,253	3,471	33.2
1986	6,031	3,393	2,638	2,763	45.8	1994	10,461	7,936	2,525	3,807	36.8
1987	6,896	3,946	2,950	3,115	45.2	1995	9,904	7,783	2,121	3,770	38.2

¹ Live weight. ² Meal, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food. ³ Represents record year.

No. 1145. Domestic Fish and Shellfish Catch and Value, by Species: 1990 to 1995

SPECIES	QUANTITY (1,000 lb.)				VALUE (\$1,000)			
	1990	1993	1994	1995	1990	1993	1994	1995
Total	9,403,571	10,466,895	10,461,388	9,904,199	3,521,995	3,471,460	3,806,700	3,770,320
Fish, total ¹	8,091,068	8,999,142	9,132,276	8,636,731	1,900,097	1,884,121	1,984,376	1,950,347
Cod: Atlantic	95,881	50,503	38,653	29,631	61,329	44,956	36,160	28,184
Pacific	526,396	482,799	460,287	591,399	91,384	116,172	95,836	109,680
Flounder	254,519	599,180	426,855	423,443	112,921	135,598	126,580	150,239
Halibut	70,454	63,053	57,900	44,796	96,700	62,391	84,898	66,781
Menhaden	1,962,160	1,983,319	2,323,537	1,846,959	93,896	103,258	128,364	99,131
Pollock, Alaska	3,108,031	3,257,990	3,124,531	2,852,618	268,344	358,378	375,926	259,614
Sablefish	89,802	77,467	71,339	65,904	58,865	83,861	84,827	123,694
Salmon	733,146	888,134	901,086	1,137,410	612,367	423,530	456,407	520,812
Tuna	62,393	55,392	71,795	63,864	105,040	91,430	108,661	102,638
Shellfish, total ¹	1,312,503	1,467,753	1,329,112	1,267,468	1,621,898	1,587,339	1,822,324	1,819,973
Clams	139,198	147,752	131,427	134,224	130,194	138,030	122,362	140,414
Crabs	499,416	604,437	446,942	363,639	483,837	510,494	532,987	511,987
Lobsters: American	61,017	56,513	66,416	66,406	154,677	151,746	196,175	214,838
Oysters	29,193	33,575	38,086	40,380	93,718	86,698	93,737	101,574
Scallops: Calico	(NA)	(NA)	7,162	957	(NA)	(NA)	6,944	1,219
Sea	39,917	18,116	18,228	18,316	153,696	105,603	91,793	92,826
Shrimp	346,494	292,887	2,822,626	306,869	491,433	412,896	564,168	570,034

NA Not available. ¹ Includes other types of fish and shellfish, not shown separately.

Source of tables 1143-1145: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States*, annual.

No. 1146. U.S. Private Aquaculture—Trout and Catfish Production and Value: 1990 to 1996

[Periods are from Sept. 1 of the previous year to Aug. 31 of stated year. Data for for food-size fish, those over 12 inches long]

ITEM	Unit	1990	1991	1992	1993	1994	1995	1996
TROUT FOOD SIZE								
Number sold	Millions	67.8	67.7	64.5	60.9	58.3	60.2	56.5
Total weight	Mil. lb	56.8	58.9	55.2	54.6	52.1	55.6	53.6
Total value of sales	Mil. dol	64.6	58.3	51.0	54.3	52.7	60.8	56.9
Average price received	Dol./lb	1.14	0.99	0.92	0.99	1.01	1.09	1.06
Percent sold to processors	Percent	58	72	71	63	68	68	67
CATFISH FOOD SIZE								
Number sold	Millions	272.9	332.7	373.2	379.1	347.6	321.8	369.4
Total weight	Mil. lb	392.4	409.5	497.3	495.8	479.4	481.5	517.5
Total value of sales	Mil. dol	305.1	264.0	302.4	352.9	373.6	378.1	396.9
Average price received	Dol./lb	0.78	0.64	0.61	0.71	0.78	0.79	0.77
Fish sold to processors	Mil. lb	360.4	390.9	457.4	459.0	439.3	446.9	472.1
Avg. price paid by processors	Cents/lb.	75.8	63.1	59.8	70.9	78.4	78.6	77.3
Processor sales	Mil. lb	183.1	199.8	231.3	233.5	216.5	227.0	237.2
Avg. price received by processors	Cents/lb.	224.1	209.0	200.5	218.6	238.5	240.3	236.9
Inventory (Jan. 1)	Mil. lb	9.4	9.6	11.6	9.5	11.6	10.9	11.9

Catfish Production and Catfish Processing, February releases Annual.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, USDA.

No. 1147. Supply of Selected Fishery Items: 1980 to 1995

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

ITEM	Unit	1980	1985	1988	1989	1990	1991	1992	1993	1994	1995
Tuna, canned	Canned weight	666	759	843	1,028	856	933	922	835	850	875
Shrimp	Heads-off weight	425	633	767	743	734	744	820	808	847	832
Clams	Meat weight	102	164	145	150	152	144	155	156	144	144
Salmon, canned	Canned weight	126	113	59	159	148	131	73	114	117	149
American lobster	Round weight	69	108	121	85	95	107	95	92	101	94
Spiny lobster	Round weight	127	154	139	89	89	85	81	76	76	89
Scallops	Meat weight	51	72	74	79	74	62	69	66	76	62
Sardines, canned	Canned weight	69	76	63	61	61	52	41	41	48	44
Oysters	Meat weight	71	90	78	66	56	47	50	48	50	52
Crab meat, canned	Canned weight	9	8	8	8	9	11	9	9	9	12
Snow crab	Round weight	54	45	30	58	37	60	88	66	40	42
King crab	Round weight	133	11	10	18	19	20	15	8	12	21

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries of the United States, annual.

No. 1148. Canned, Fresh, and Frozen Fishery Products: 1980 to 1995

[Fresh fishery products exclude Alaska and Hawaii. Canned fishery products data are for natural pack only]

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1980	1985	1990	1993	1994	1995	1980	1985	1990	1993	1994	1995
Canned,¹	1,516	1,161	1,178	1,709	1,768	1,927	1,928	1,360	1,562	1,688	1,796	1,887
Tuna	602	545	581	619	610	667	1,144	821	902	904	963	939
Salmon	200	159	196	198	207	244	376	228	366	307	329	419
Clam products	77	117	110	117	122	129	66	109	76	92	106	111
Mackerel ²	38	15	23	(NA)	(NA)	(NA)	12	7	11	(NA)	(NA)	(NA)
Sardines, Maine	20	20	13	14	16	14	32	38	17	25	28	24
Shrimp	16	4	1	1	(Z)	(Z)	80	19	3	4	4	7
Crabs	5	1	1	(Z)	(Z)	(Z)	19	2	4	1	(Z)	(Z)
Oysters ³	(Z)	2	1	(Z)	(Z)	(Z)	(Z)	2	1	(Z)	(Z)	(Z)
Fish fillets and steaks⁴	202	246	441	420	425	385	261	440	843	847	836	841
Cod	31	57	65	50	58	65	43	89	132	121	135	152
Flounder	49	69	54	35	35	35	87	157	154	100	89	86
Haddock	17	8	7	4	3	3	29	19	24	16	12	11
Ocean perch, Atlantic	7	2	1	1	(Z)	(Z)	9	3	1	2	1	1
Rockfish	14	18	33	18	23	25	13	25	53	30	33	38
Pollock, Atlantic	9	15	12	8	7	4	9	17	21	17	16	10
Pollock, Alaska	(NA)	11	164	161	141	135	(NA)	24	174	185	144	184
Other	74	66	105	143	158	118	71	106	284	376	406	359

NA Not available. Z Less than 500,000 pounds or \$500,000. ¹ Includes other products, not shown separately. ² Includes Jack and a small amount of Pacific mackerel. ³ Includes oyster specialties. ⁴ Fresh and frozen.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries of the United States, annual.

No. 1149. Summary of Mineral Operations: 1963 to 1992

[Represents mineral operations only. Beginning 1967, excludes single unit establishments without paid employees]

ITEM	Unit	1963	1967	1972	1977	1982	1987	1992
Establishments	Number .	38,651	28,579	25,269	31,359	42,241	33,617	30,787
With 20 or more employees	Number .	5,499	5,682	5,312	6,632	(NA)	6,299	5,600
Including all operations in manufactures	Number .	40,532	29,688	26,178	31,967	42,585	34,041	31,261
Excluding oil and gas extraction	Number .	19,290	13,330	11,680	13,520	12,267	10,707	9,896
Employees, total	1,000 .	616	567	595	799	1,114	698	638
Production workers ¹	1,000 .	482	433	443	593	762	451	415
All other	1,000 .	134	134	152	206	352	247	223
Worker-hours, production workers ¹	Million	973	892	909	1,183	1,578	942	876
Worker-hours per production workers	1,000 .	2.0	2.1	2.1	2.0	2.1	2.1	2.1
Payroll, total	Mil. dol.	3,743	4,187	6,226	13,167	28,637	21,739	24,199
Wages, production workers ¹	Mil. dol.	2,680	2,888	4,250	9,082	18,030	12,443	13,833
Salaries, all other employees	Mil. dol.	1,063	1,299	1,976	4,085	10,607	9,296	10,366
Cost of supplies, etc. ²	Mil. dol.	8,974	10,576	14,884	46,079	109,697	62,423	65,653
Value added in mining	Mil. dol.	15,910	19,330	26,471	68,013	188,055	110,599	113,621
Metal mining	Mil. dol.	1,418	1,557	2,382	3,504	3,215	4,610	6,724
Coal mining	Mil. dol.	1,727	2,091	3,754	11,266	18,631	17,068	17,252
Oil and gas extraction	Mil. dol.	11,020	13,394	17,612	48,587	159,937	80,049	80,016
Nonmetallic minerals mining	Mil. dol.	1,745	2,288	2,723	4,656	6,273	9,233	9,629
Value of shipments and receipts ³	Mil. dol.	18,804	22,784	36,319	96,375	250,000	157,964	162,095
Capital expenditures	Mil. dol.	3,264	4,058	5,036	17,718	47,753	15,418	17,179

NA Not available. ¹ Represents employees up through the working foreman level in manual work. Includes development and exploration workers. ² Includes purchased machinery installed. ³ See footnote 5, table 1152.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1972, 1977, 1982, 1987, and 1992*.

No. 1150. Mining and Primary Metal Production Indexes: 1980 to 1996

[Index 1992=100]

INDUSTRY GROUP	1980	1985	1989	1990	1991	1992	1993	1994	1995	1996
Mining	110.8	110.3	101.5	103.7	101.6	100.0	98.9	101.5	100.9	103.0
Coal	83.4	89.1	98.9	103.7	100.1	100.0	95.1	104.1	104.3	105.9
Oil and gas extraction	123.4	122.0	103.6	104.7	103.3	100.0	99.4	100.2	98.4	100.4
Crude oil and natural gas	115.1	111.4	102.5	101.6	101.9	100.0	98.0	98.1	96.5	96.6
Oil and gas drilling	226.3	248.4	116.9	136.1	116.2	100.0	107.8	113.7	109.0	120.5
Metal mining	65.2	56.6	85.6	93.1	93.3	100.0	98.7	100.2	101.9	101.9
Iron ore	128.5	90.2	105.4	101.4	101.7	100.0	100.0	104.3	112.3	111.3
Nonferrous ores	52.8	50.8	83.0	91.9	92.1	100.0	98.6	99.6	100.5	100.6
Copper ore	65.6	61.2	84.6	89.4	92.4	100.0	102.0	104.7	104.8	107.6
Primary metals, manufacturing	108.0	98.4	104.9	104.0	96.7	100.0	105.5	113.0	115.7	117.1
Nonferrous metals	92.4	98.2	103.2	100.9	97.7	100.0	103.5	112.6	115.0	117.6
Copper	75.9	79.7	79.0	81.6	88.3	100.0	109.5	111.3	106.7	109.6
Aluminum	115.1	86.9	100.0	100.4	102.2	100.0	91.7	81.8	83.7	88.5
Iron and steel	119.0	98.8	106.2	106.4	96.0	100.0	107.1	113.2	116.3	116.5

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

No. 1151. Mineral Industries—Employment, Hours, and Earnings: 1990 to 1996

ITEM	Unit	1990	1995	1996	ITEM	Unit	1990	1995	1996
All mining:					Avg. weekly hours	Number	43.9	44.2	44.7
All employees	1,000 .	709	580	570	Avg. weekly earnings	Dol. . .	568	641	661
Production workers	1,000 .	509	424	424	Metal mining:				
Avg. weekly hours	Number	44.1	44.7	45.3	All employees	1,000 .	58	51	52
Avg. weekly earnings	Dol. . .	603	684	707	Production workers	1,000 .	46	41	41
Coal mining:					Avg. weekly hours	Number	42.8	43.8	44.0
All employees	1,000 .	147	106	100	Avg. weekly earnings	Dol. . .	601	735	764
Production workers	1,000 .	119	85	82	Nonmetallic minerals, except fuels:				
Avg. weekly hours	Number	44.0	44.9	45.8	All employees	1,000 .	110	106	108
Avg. weekly earnings	Dol. . .	735	828	857	Production workers	1,000 .	83	80	82
Oil and gas extraction:					Avg. weekly hours	Number	45.3	46.5	47.0
All employees	1,000 .	395	318	311	Avg. weekly earnings	Dol. . .	525	624	650
Production workers	1,000 .	261	217	220					

Source: U.S. Bureau of Labor Statistics, *Bulletin 2370 and Employment and Earnings*, March and June issues.

No. 1152. Mineral Industries—Summary: 1987 and 1992

["N.e.c." means not elsewhere classified]

MINERAL INDUSTRY	1987						1992									
	All employees		Production workers ³		Value added in mining ⁴ (mil. dol.)	Value of shipments and receipts ⁵ (mil. dol.)	Establishments		All employees		Production workers			Value added in mining ⁴ (mil. dol.)	Value of shipments and receipts ⁵ (mil. dol.)	Capital expenditures (mil. dol.)
	Number ¹ (1,000)	Payroll ² (mil. dol.)	Number ¹ (1,000)	Wages (mil. dol.)			Total	With 20 or more employees	Number ¹ (1,000)	Payroll ² (mil. dol.)	Number ¹ (1,000)	Hours ⁶ (millions)	Wages (mil. dol.)			
All industries	698	21,739	451	12,443	110,959	157,964	30,787	5,600	638	24,199	415	876	13,833	113,621	162,095	17,179
Metal mining	44	1,354	34	952	4,610	6,852	1,023	273	53	2,111	42	88	1,540	6,724	9,864	1,580
Iron ores	7	224	6	166	768	1,362	40	18	9	348	7	15	274	985	1,715	53
Copper ores	14	405	11	283	1,301	2,150	62	35	15	550	12	25	405	2,169	3,375	516
Lead and zinc ores	2	58	1	40	176	268	44	24	3	113	2	5	86	287	472	22
Gold and silver ores	13	423	10	305	1,814	2,261	426	116	19	825	16	33	601	2,746	3,555	(D)
Ferroalloy ores, except vanadium	1	46	1	24	61	110	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Metal mining services	3	81	2	60	176	251	266	37	3	117	3	6	90	259	350	(D)
Miscellaneous metal ores	5	162	4	99	374	559	185	43	4	157	3	5	84	277	398	61
Coal mining	163	5,567	129	4,251	17,068	25,955	3,069	1,238	135	5,461	108	227	4,205	17,252	27,134	1,943
Bituminous coal and lignite mining	158	5,410	124	4,125	16,679	25,347	2,635	1,155	129	5,282	103	217	4,062	16,777	26,435	1,912
Anthracite mining	2	41	2	32	109	206	76	18	1	39	1	2	30	97	160	4
Coal mining services	4	116	3	94	280	402	358	65	5	141	4	8	113	378	538	26
Oil and gas extraction	378	11,961	206	5,283	80,049	112,363	20,891	2,703	345	13,397	188	395	5,939	80,016	111,523	12,519
Crude petroleum and natural gas	199	7,510	69	2,154	67,955	76,518	9,391	1,015	175	8,422	64	131	2,597	66,575	72,245	10,953
Natural gas liquids	13	433	10	320	4,025	24,750	591	198	12	518	9	19	364	4,242	27,214	615
Oil and gas field services	167	4,018	127	2,810	8,069	11,095	1,909	1,490	158	4,457	115	245	2,978	9,200	12,064	951
Drilling oil and gas wells	55	1,318	46	1,012	2,549	3,626	2,125	450	14	1,371	39	81	994	2,516	3,584	289
Oil, gas exploration services	17	452	13	311	771	1,096	1,490	84	14	460	8	19	238	725	965	172
Oil, gas field services, n.e.c.	95	2,248	69	1,486	4,748	6,373	7,294	956	96	2,626	68	145	1,747	5,958	7,515	491
Nonmetallic mining	113	2,858	83	1,956	9,233	12,795	5,804	1,386	106	3,230	77	166	2,148	9,629	13,574	1,137
Dimension stone ⁷	1	25	1	18	65	86	166	17	1	31	1	2	21	77	99	5
Crushed and broken stone ⁸	44	1,082	33	754	3,465	4,768	2,142	662	42	1,207	31	67	827	3,621	5,002	424
Sand and gravel ⁸	33	772	24	551	2,320	3,139	2,677	439	30	888	21	47	593	2,318	3,161	259
Clay and related minerals ⁸	10	272	7	165	827	1,249	200	100	10	318	8	17	211	936	1,400	84
Chemical and fertilizer minerals	16	501	12	336	1,999	2,772	160	80	15	579	11	22	359	2,122	3,127	309
Nonmetallic minerals, services	2	45	1	32	119	165	178	16	2	52	2	3	39	136	189	15
Miscellaneous ⁸	7	162	5	101	438	616	281	72	6	156	4	8	97	419	596	42

D Withheld to avoid disclosure. NA Not available. ¹ Excludes proprietors and firm members of unincorporated concerns. ² Gross earnings paid to all employees on payroll. ³ Represents employees up through the working foreman level engaged in manual work. Includes development and exploration workers. ⁴ Computed by subtracting cost of supplies, minerals received for preparation, purchased fuel and electric energy, contract work, and purchased machinery from the value of shipments and capital expenditures. ⁵ Represents value of shipments of primary and secondary products of the industry and amount received for services performed for other establishments on a contract, fee, or other basis. ⁶ Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent). ⁷ Excludes data for dimension stone quarries operated in conjunction with dressing plants. ⁸ Excludes data for mining included in establishments classified in manufacturing industries.

Source: U.S. Bureau of the Census, *Census of Mineral Industries: 1987, and 1992*, final industry series reports.

No. 1153. Mineral Production: 1990 to 1996

[Data represent production as measured by mine shipments, mine sales or marketable production]

MINERAL	Unit	1990	1994	1995	1996
FUEL MINERALS					
Coal, total	Mil. sh. tons	1,029.1	1,033.5	1,033.0	1,056.7
Bituminous	Mil. sh. tons	693.2	640.3	613.8	(NA)
Subbituminous	Mil. sh. tons	244.3	300.5	328.0	(NA)
Lignite	Mil. sh. tons	88.1	88.1	86.5	(NA)
Anthracite	Mil. sh. tons	3.5	4.6	4.7	(NA)
Natural gas (marketed production)	Tril. cu. ft.	18.59	19.64	19.62	19.96
Petroleum (crude)	Mil. bbl. ¹	2,686	2,420	2,394	2,362
Uranium (recoverable content)	Mil. lb.	8.9	3.4	6.0	(NA)
NONFUEL MINERALS					
Abrasive stone ²	Metric tons	3,709	(Z)	(Z)	(Z)
Asbestos (sales)	1,000 metric tons	(D)	10.0	(D)	9
Asphalt and related bitumens (native) ³	Mil. metric tons	25	(3)	(3)	(3)
Barite, primary, sold/used by producers	1,000 metric tons	430	583	543	650
Boron minerals, sold or used by producers	1,000 metric tons	1,094	1,110	796	622
Bromine, sold or used by producers	1,000 metric tons	177	195	218	227
Calcium chloride (natural)	1,000 sh. tons	(D)	-	-	-
Cement:					
Portland	Mil. sh. tons	75.6	74.3	73.3	75.0
Masonry	Mil. sh. tons	3.3	4.0	4	4
Clays	1,000 metric tons	42,904	42,200	43,100	44,000
Diatomite	1,000 metric tons	631	613	687	700
Feldspar ⁴	1,000 metric tons	630	765	882	900
Fluorspar, finished shipments	1,000 metric tons	64	50	(D)	(D)
Garnet (abrasive)	1,000 metric tons	47.0	51.0	53.0	54.0
Gypsum, crude	Mil. metric tons	16.4	17.2	17.0	17.0
Helium ⁵	Mil. cu. meters	87	100	99	101
Lime, sold or used by producers	Mil. sh. tons	17.5	17.4	18.5	18.9
Mica, scrap & flake, sold/used by producers	1,000 metric tons	109	110	108	109
Peat, sales by producers	1,000 sh. tons	795	552	660	667
Perlite, processed, sold or used	1,000 metric tons	576	644	700	701
Phosphate rock (marketable)	Mil. metric tons	46.3	41.0	44	43
Potash (K ₂ O equivalent) sales	1,000 metric tons	1,713	2,970	2,880	2,810
Pumice & pumicite, producer sales	1,000 metric tons	443	490	529	465
Pyrites	1,000 metric tons	(D)	(D)	(NA)	(NA)
Salt, common, sold/used by producers	Mil. metric tons	36.9	39.7	41	40
Sand & gravel, sold/used by producer	Mil. metric tons	852	918	938	992
Construction	Mil. metric tons	829	891	910	963
Industrial	Mil. metric tons	26	27	28	29
Sodium carbonate (natural) (soda ash)	1,000 metric tons	9,156	9,320	10,100	10,100
Sodium sulfate (natural)	1,000 metric tons	349	298	327	325
Stone ⁶	Mil. metric tons	1,110	1,230	1,260	1,300
Crushed and broken	Mil. metric tons	1,109	1,230	1,260	1,300
Dimension	1,000 metric tons	1,118	(D)	(D)	(D)
Sulfur: Frasch mines (shipments)	1,000 metric tons	3,676	3,010	3,070	(D)
Talc, and pyrophyllite, crude	1,000 metric tons	1,267	(D)	(D)	(D)
Tripoli	1,000 metric tons	94	82	80	(D)
Vermiculite concentrate	1,000 metric tons	209	177	171	(D)
METALS					
Antimony ore and concentrate	Metric tons	(D)	(D)	(D)	(D)
Bauxite (dried)	1,000 metric tons	(D)	(D)	(D)	(D)
Copper (recoverable content)	1,000 metric tons	1,590	1,810	1,850	1,900
Gold (recoverable content)	Metric tons	294	327	320	325
Iron ore (gross weight)	Mil. metric tons	57.0	57.6	61	61
Lead (recoverable content)	1,000 metric tons	497	363	386	430
Magnesium metal	1,000 metric tons	139	128	142	143
Manganiferous ore (gross weight) ⁸	1,000 metric ton	(D)	(D)	(D)	(D)
Mercury	Metric tons	562	(D)	(D)	(D)
Molybdenum (concentrate)	1,000 metric tons	62	46	(D)	(D)
Nickel	1,000 metric tons	0.3	(NA)	1.6	(NA)
Palladium metal	Kilograms	5,930	6,440	5,260	5,000
Platinum metal	Kilograms	1,810	1,960	1,590	1,600
Silver (recoverable content)	Metric tons	2,121	1,490	1,640	1,800
Titanium concentrate: Ilmenite (gross weight) ¹⁰	1,000 metric tons	(D)	(D)	(D)	(D)
Tungsten ore and concentrate	Metric tons	(D)	(D)	(D)	(D)
Zinc (recoverable content)	1,000 metric tons	515	570	614	620

- Represents zero. D Withheld to avoid disclosing individual company data. NA Not available. Z Less than half the unit of measure. ¹ 42 gal. bbl. ² Includes grindstones, oilstones, whetstones, and deburring media. Excludes grinding pebbles, and tubemill liners. ³ Contains bituminous limestone and sandstone, and gilsonite. Includes road oil, 1990-93. Discontinued. ⁴ Includes apite, 1992-93. ⁵ Refined only. ⁶ Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table; 1993 excludes dimension stone. Includes calcareous marl and slate. ⁷ Represents shipments; includes byproduct ores. ⁸ 5 to 35 percent manganiferous ore. ⁹ Mercury produced as a byproduct of gold ores only. ¹⁰ Content of ore and concentrate.

Source: Nonfuels, through 1994, U.S. Bureau of Mines, thereafter, U.S. Geological Survey, *Minerals Yearbook*, annual, and *Mineral Commodities Summaries*, annual; fuels, U.S. Energy Information Administration, *Annual Energy Review*.

No. 1154. Mineral Production Value: 1990 to 1995

[In millions of dollars. Value derived by multiplying production times price at source of production]

MINERAL	1990	1992	1993	1994	1995
Mineral production, total	141,597	127,486	125,265	122,015	118,614
Mineral fuels, total	108,133	95,453	93,265	86,815	80,114
Coal, total ¹	22,404	20,976	18,766	20,076	19,709
Bituminous	22,266	20,856	18,624	19,908	19,537
Anthracite	138	120	141	168	172
Natural gas (wellhead)	31,789	32,555	38,834	34,819	28,828
Petroleum (crude)	53,801	41,846	35,625	31,920	31,577
Uranium U ₃ O ₈	140	76	40	(NA)	(NA)
Industrial minerals, total	21,022	20,496	21,200	23,100	24,400
Abrasive stone ²	(Z)	(Z)	(Z)	(NA)	(NA)
Asbestos (sales)	(4)	6	6	5	(D)
Asphalt, related bitumens (native) ³	3,480	2,794	(NA)	(NA)	(NA)
Barite, primary, sold/used by producers	16	20	19	22	17
Boron minerals, sold/used by producers	436	339	373	443	372
Bromine, sold/used by producers	173	170	123	155	186
Calcium chloride (natural)	(4)	(4)	(X)	(X)	(X)
Cement:					
Portland	3,683	3,500	3,920	4,460	4,920
Masonry	225	195	229	286	307
Clays	1,620	1,482	1,480	1,600	1,730
Diatomite	138	141	150	152	171
Feldspar ⁵	28	29	31	31	37
Fluorspar, finished shipments	(4)	(4)	(4)	(4)	(4)
Garnet (abrasive)	7	5	(D)	15	10
Gemstones (estimate)	53	66	58	51	74
Gypsum, crude	100	101	107	115	121
Helium ⁶	113	187	189	199	196
Lime, sold/used by producers	902	950	965	1,020	1,100
Mica, scrap and flake, sold/used by producers	6	5	4	6	6
Peat (sales by producers)	19	17	17	15	17
Perlite, processed, sold/used by producers	17	16	17	19	22
Phosphate rock (marketable)	1,075	1,058	759	839	945
Potash (K ₂ O equivalent)	303	334	286	285	284
Pumice and pumicite (sales by producers)	11	15	12	12	13
Salt (common), sold/used by producers	827	803	893	990	1,000
Sand and gravel, sold/used by producers	3,686	3,766	3,980	4,230	4,410
Sodium carbonate (natural) (soda ash)	836	836	734	724	829
Sodium sulfate (natural)	34	26	(D)	24	29
Stone: ⁷	5,822	5,775	6,030	6,620	6,750
Crushed and broken	5,591	5,594	6,030	6,620	6,750
Dimension	231	181	216	(D)	(D)
Sulfur: Frasch mines (shipments)	335	159	101	162	207
Talc and pyrophyllite, crude ⁸	31	31	(D)	32	(4)
Tripoli	3	3	4	11	11
Vermiculite concentrate	19	15	15	14	(D)
Industrial minerals, undistributed	504	478	417	531	622
Metals, total	12,442	11,537	10,800	12,100	14,100
Antimony ore and concentrate ⁹	(10)	(10)	(10)	(10)	(10)
Bauxite (dried equivalent)	(10)	(10)	(10)	(10)	(10)
Copper (recoverable content)	4,311	4,179	3,640	4,430	5,640
Gold (recoverable content)	3,650	3,662	3,840	4,050	3,990
Iron ore (gross weight) ¹¹	1,741	1,732	1,640	1,580	1,710
Lead (recoverable content)	491	308	249	298	359
Magnesium metal ¹²	433	360	377	389	476
Manganiferous ore (gross weight) ¹³	(10)	(10)	(10)	(10)	(10)
Mercury ¹⁴	(10)	0.4	(D)	(D)	(10)
Molybdenum (concentrate)	348	209	165	284	(D)
Palladium metal	22	18	25	29	22
Platinum metal	27	21	21	25	21
Silver (recoverable content)	329	229	227	253	271
Titanium concentrate: Ilmenite (gross weight)	(10)	(10)	(10)	(10)	(10)
Tungsten ore and concentrate	(10)	(10)	(10)	(10)	(10)
Vanadium (recoverable content)	(10)	(10)	(10)	(10)	(10)
Zinc mine production (recoverable content)	847	674	497	619	756
Metals, undistributed	242	156	132	147	812

D Withheld to avoid disclosing individual company data. NA Not available. X Not applicable. Z Less than \$500,000.
¹ Includes subbituminous and lignite. ² Includes grindstones, oilstones, whetstones, and deburring media. ³ 1990-92, excluded from industrial minerals. ⁴ Included in "Industrial minerals, undistributed." ⁵ 1992-93, includes apilite. ⁶ Refined only. ⁷ Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone; 1993 excludes dimension stone. State ranks based on publishable data. Includes calcareous marl and slate. ⁸ 1990-92, talc only.
⁹ Antimony content. ¹⁰ Included with "Metals, undistributed". ¹¹ Represents shipments; includes byproduct ores.
¹² Canvass for magnesium chloride for magnesium metal discontinued in 1986. ¹³ 5 to 35 percent manganiferous ore. ¹⁴ Mercury produced as a byproduct of gold ores only.

Source: Nonfuels, through 1994, U.S. Bureau of Mines, thereafter, U.S. Geological Survey, *Minerals Yearbook and Mineral Commodities Summaries*, annual; fuels, U.S. Energy Information Administration, *Annual Energy Review*.

No. 1155. Nonfuel Mineral Commodities—Summary: 1996

[Preliminary estimates. Average price in dollars per metric tons except as noted]

MINERAL	MINERAL DISPOSITION					Average price per unit (dollars)	Employment (number)
	Unit	Production	Exports	Net import reliance ¹ (percent)	Consumption, apparent		
Aluminum	1,000 metric tons	5,000	1,500	21	6,300	2 ⁰ .70	21,600
Antimony (contained)	Metric tons	³ 22,700	5,400	(NA)	(NA)	⁴ 152	100
Arsenic	Metric tons	(NA)	20	100	22,000	⁵ 0.53	(NA)
Asbestos	1,000 metric tons	9	16	30	23	(D)	30
Barite	1,000 metric tons	650	18	66	1,930	⁶ 50	350
Bauxite and alumina	1,000 metric tons	(D)	1,090	100	4,370	⁷ 15-18	20
Beryllium (contained)	Metric tons	217	50	(⁸)	220	⁹ 2,327	425
Bismuth (contained)	Metric tons	(D)	120	(D)	(NA)	¹⁰ 2,600	30
Boron (B ₂ O ₃ content)	1,000 metric tons	622	590	(¹¹)	234	¹² 4,875	900
Bromine (contained)	1,000 metric tons	¹³ 227	14	(¹⁴)	315	¹⁵ 966.1	1,700
Cadmium (contained)	Metric tons	¹⁶ 1,450	40	33	2,200	¹⁷ 2,101.25	145
Cement	1,000 short tons	78,600	750	12	89,400	¹⁸ 70.00	17,900
Chromium	1,000 metric tons	¹⁹ 11,104	63	79	497	²⁰ 4,123.00	(NA)
Clays	1,000 metric tons	44,000	4,800	(²¹)	39,200	(NA)	13,900
Cobalt (contained)	Metric tons	²² 1,500	1,500	83	8,900	²³ 226.00	(NA)
Columbium (contained)	Metric tons	(NA)	300	100	3,800	²⁴ 2,150.00	(NA)
Copper (Mine, contained)	1,000 metric tons	1,900	840	13	2,760	²⁵ 2,108	14
Diamond (industrial)	Million carats	158	107	(NA)	263	²⁶ 10.45	(NA)
Diatomite	1,000 metric tons	700	137	(²⁷)	563	²⁸ 4249	1,000
Feldspar	1,000 metric tons	900	15	(²⁹)	895	³⁰ 42.44	400
Fluorspar	1,000 metric tons	102	30	99	692	(NA)	5
Gallium (contained)	Kilograms	(NA)	(NA)	(NA)	721,000	³¹ 425	20
Garnet (industrial)	Metric tons	54,000	9,000	(³²)	32,200	³³ 90-1600	200
Gemstones	Million dollars	88	2,660	98	4,570	(NA)	850
Germanium (contained)	Kilograms	³⁴ 18,000	(NA)	(NA)	(NA)	³⁵ 152,000	120
Gold (contained)	Metric tons	325	600	(³⁶)	(NA)	³⁷ 16,390.00	15,200
Graphite (crude)	1,000 metric tons	(NA)	25	100	35	³⁸ 4,117.00	(NA)
Gypsum (crude)	1,000 short tons	17,000	100	30	26,500	³⁹ 47.50	186,700
Indium	Metric tons	(NA)	(NA)	(NA)	45	⁴⁰ 19,000.00	(NA)
Iodine	Metric tons	1,200	2,000	62	4,000	⁴¹ 20,135.00	40
Iron ore (usable)	Million metric tons	60	5	(⁴²)	72.6	⁴³ 2172.5-74.0	7,400
Iron and steel scrap (metal)	Million metric tons	66	9.1	(⁴⁴)	70	⁴⁵ 42,130.00	37,000
Iron and steel slag (metal)	1,000 metric tons	21,400	4	1	21,700	⁴⁶ 6.90	2,500
Lead (contained)	1,000 metric tons	430	25	17	1,560	⁴⁷ 2348.8	1,800
Lime	1,000 short tons	19,000	55	1	19,200	⁴⁸ 457.00	5,600
Magnesium compounds	1,000 metric tons	450	60	30	640	(NA)	600
Magnesium metal	1,000 metric tons	208	41	(⁴⁹)	171	⁵⁰ 241.75	1,400
Manganese (gross weight)	1,000 metric tons	(NA)	41	100	25,716	⁵¹ 262.55	(NA)
Mercury	Metric tons	⁵² 550	100	(D)	(D)	⁵³ 260.00	(NA)
Mica, scrap and flake	1,000 metric tons	109	8	8	119	⁵⁴ 461.00	(NA)
Molybdenum (contained)	Metric tons	57,000	47,500	63	14,500	⁵⁵ 29.50	700
Nickel (contained)	Metric tons	14,600	12,800	(⁵⁶)	158,000	⁵⁷ 307,515	1
Nitrogen (fixed)-ammonia	1,000 metric tons	13,800	500	18	16,900	⁵⁸ 4,312.15	2,500
Nonrenewable organics	Million metric tons	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Peat	1,000 short tons	535	18	58	1,260	⁵⁹ 425.34	1,000
Perlite	1,000 metric tons	701	40	6	746	⁶⁰ 429.16	125
Phosphate rock	1,000 metric tons	42,500	2,800	(⁶¹)	40,900	⁶² 420.50	5,500
Platinum-group metals	Kilograms	6,600	38,000	(NA)	(NA)	⁶³ 32,410.00	500
Potash (K ₂ O equivalent)	1,000 metric tons	1,380	400	76	5,840	⁶⁴ 4,331.33	1,690
Pumice and pumicite	1,000 metric tons	465	15	28	650	⁶⁵ 422.96	60
Salt	1,000 metric tons	40,100	950	18	48,700	⁶⁶ 4,341.00	4,150
Silicon (contained)	1,000 metric tons	414	44	31	597	⁶⁷ 3564.00	(NA)
Silver (contained)	Metric tons	1,800	2,600	(NA)	(NA)	⁶⁸ 165.30	1,400
Sodium carbonate (soda ash)	1,000 metric tons	10,100	3,650	(⁶⁹)	6,550	⁷⁰ 4,381,050.00	2,800
Sodium sulfate	1,000 metric tons	325	100	13	595	⁷¹ 3714.00	240
Stone (crushed)	Million short tons	1,300	6	-	1,304	⁷² 5.43	77,500
Sulfur (all forms)	1,000 metric tons	11,800	1,000	11	13,400	⁷³ 4,383.00	3,100
Talc	1,000 metric tons	976	179	(⁷⁴)	939	⁷⁵ 47,525	750
Thallium (contained)	Kilograms	(NA)	(NA)	100	300	⁷⁶ 1,200	-
Tin (contained)	Metric tons	⁷⁷ 112,000	3,600	83	48,400	⁷⁸ 2291	-
Titanium dioxide	1,000 metric tons	1,230	275	(⁷⁹)	1,140	⁸⁰ 2,394.00	4,600
Tungsten (contained)	Metric tons	(D)	32	82	15,100	⁸¹ 4067	20
Vermiculite	1,000 metric tons	(D)	5	(D)	(D)	(D)	230
Zinc (contained)	1,000 metric tons	620	430	33	41,470	⁸² 2361.0	2,700
Zirconium (Z ₂ O ₂ content)	Metric tons	(D)	24,200	(D)	(D)	⁸³ 42400	(NA)

- Represents or rounds to zero. D Withheld to avoid disclosure. NA Not available. ¹ Calculated as a percent of apparent consumption. ² Price per pound. ³ Refinery production. ⁴ Price per metric ton. ⁵ Net exporter. ⁶ Metal, vacuum-cast ingot. ⁷ Estimated consumption. ⁸ Granulated pentahydrate borax in bulk, f.o.b. mine. ⁹ Cents per kilogram, bulk, purified bromine. ¹⁰ 1- to 5-short ton lots. ¹¹ Secondary production. ¹² Turkish, chrome price. ¹³ Columbite price. ¹⁴ Value of imports per carat. ¹⁵ Zone refined, first reduction quality. ¹⁶ Price per tray ounce. ¹⁷ Price of flake imports. ¹⁸ Includes employment at calcining plants. ¹⁹ 99.97% indium, per kilogram. ²⁰ O.i.f. value, crude, per kilogram. ²¹ Lake Superior pellets. Cents per long ton unit of iron. ²² Delivered, No. 1 Heavy Melting composite price. ²³ Cents per pound. ²⁴ Year-end price, per pound. ²⁵ Estimated manganese content. ²⁶ 46%-48% Mn metallurgical ore, per unit contained Mn, c.i.f. U.S. ports. ²⁷ Secondary industrial production. ²⁸ Price per 76-pound flask. ²⁹ Price per kilogram. ³⁰ London Metal Exchange cash price. ³¹ F.o.b. gulf coast. ³² Dealer price of platinum. Per tray ounce. ³³ Price of K₂O, muriate. ³⁴ Vacuum and open pan, bulk, pellets and packaged, f.o.b. mine and plant. ³⁵ Ferrosilicon, 50% Si. ³⁶ Quoted year-end price, dense, bulk, f.o.b. Green River, WY. ³⁷ Quoted price, bulk, f.o.b. works, East, per short ton. ³⁸ Elemental sulfur, f.o.b. mine and/or plant. ³⁹ Rutile, list, year-end. ⁴⁰ Price per unit W03 (7.93 kilograms of contained tungsten per unit). ⁴¹ All forms. ⁴² Price for imported zircon, f.o.b. U.S. east coast.

Source: U.S. Geological Survey, *Mineral Commodity Summaries*, annual.

No. 1156. Selected Mineral Products—Average Prices: 1980 to 1996

[Excludes Alaska and Hawaii, except as noted]

YEAR	Copper, electrolytic (cents per lb.) ¹	Platinum ² (dol./ troy oz.)	Gold (dol./ fine oz.)	Silver (dol./ fine oz.)	Lead ³ (cents per lb.)	Tin (New York) ⁴ (cents per lb.)	Zinc ⁵ (cents per lb.)	Sulfur, crude ⁶ (dol./ metric ton)	Bituminous coal ⁷ (dol./ short ton)	Crude petroleum ⁷ (dol./ bbl.)	Natural gas ⁷ (dol./ 1,000 cu. ft.)
1980	101	677	613	20.63	43	846	37	89.06	24.52	21.59	1.59
1981	84	446	460	10.52	37	733	45	111.48	26.29	31.77	1.98
1982	73	327	376	7.95	26	654	39	108.27	27.14	28.52	2.46
1983	77	424	424	11.44	22	655	41	87.24	25.85	26.19	2.59
1984	67	357	361	8.14	26	624	49	94.31	25.51	25.88	2.66
1985	67	291	318	6.14	19	596	40	106.46	25.10	24.09	2.51
1986	66	461	368	5.47	22	383	38	105.22	23.70	12.51	1.94
1987	83	553	478	7.01	36	419	42	89.78	23.00	15.40	1.67
1988	121	523	438	6.53	37	441	60	85.95	22.00	12.58	1.69
1989	131	507	383	5.50	39	520	82	86.62	21.76	15.86	1.69
1990	123	467	385	4.82	46	386	75	80.14	21.71	20.03	1.71
1991	109	371	363	4.04	34	363	53	71.45	21.45	16.54	1.64
1992	107	360	345	3.94	35	402	58	48.14	20.98	15.99	1.74
1993	92	374	361	4.30	32	350	46	31.86	19.79	14.25	2.04
1994	111	411	385	5.29	37	369	49	28.60	19.35	13.19	1.85
1995	138	425	386	5.15	42	416	56	43.74	19.00	14.62	1.55
1996	108	410	390	5.3	49	449	51	38.00	(NA)	18.46	2.25

NA Not available. ¹ Domestic market prices for wirebar, 1970, 1975-77; prices for cathode thereafter. ² Average annual dealer prices. ³ 1970, New York prices; beginning 1975, nationwide delivered basis. ⁴ Straits tin through 1975; thereafter, composite price. ⁵ Prime western. Beginning 1975, delivered price. ⁶ F.o.b. works. ⁷ Average value at the point of production. Source: U.S. Energy Information Administration, *Annual Energy Review*.

Source: Nonfuels, through 1994, U.S. Bureau of Mines, thereafter, U.S. Geological Survey, *Minerals Yearbook and Mineral Commodities Summaries*, annual; fuels, U.S. Energy Information Administration, *Annual Energy Review*.

No. 1157. Value of Domestic Nonfuel Mineral Production: 1990 to 1996

[In millions of dollars. Data may not add due to rounding]

AREA	1990	1994	1995	1996	AREA	1990	1994	1995	1996
U.S. ¹	33,445	35,050	37,400	38,020	DE ²	10	19	9	11
Northeast	2,479	2,620	2,677	2,660	MD	368	340	341	1,324
N.E.	446	444	467	510	VA	507	502	517	529
ME	55	61	59	73	WV	133	181	193	191
NH	36	44	39	144	NC	586	710	743	731
VT	87	53	53	167	SC	450	433	426	495
MA	128	178	206	191	GA	1,504	1,550	1,670	1,720
RI	18	26	30	132	FL	1,574	1,370	1,390	1,540
CT	122	82	81	103	E.S.C.	1,692	1,790	1,860	1,980
M.A.	2,033	2,180	2,210	2,150	KY	359	428	401	452
NY	773	893	863	891	TN	683	602	660	648
NJ	229	289	289	1,222	AL	559	626	678	735
PA.	1,031	997	1,050	1,040	MS	111	135	125	140
Midwest	7,163	7,880	8,080	8,830	W.S.C.	2,467	2,630	2,850	3,030
E.N.C.	3,483	4,000	4,030	4,240	AR	381	405	479	453
OH	733	880	871	934	LA	368	350	362	428
IN	428	555	581	617	OK	259	356	388	372
IL	667	823	820	777	TX.	1,459	1,520	1,620	1,780
MI	1,440	1,460	1,460	1,510	West	14,512	15,030	16,650	15,980
WI	215	284	295	399	Mt.	10,380	11,000	12,400	11,630
W.N.C.	3,680	3,870	4,050	4,590	MT	573	543	581	523
MN	1,482	1,340	1,490	1,800	ID	375	346	399	411
IA	310	451	484	490	WY	911	880	976	918
MO	1,105	1,090	1,110	1,250	CO	377	410	448	528
ND	25	25	25	30	NM	1,103	930	1,080	963
SD	319	323	315	353	AZ	3,085	3,280	4,150	3,530
NE	90	146	142	147	UT	1,335	1,520	1,810	1,560
KS	349	497	492	524	NV	2,621	3,070	2,920	3,200
South	9,291	9,520	10,000	10,550	Pac.	4,132	4,030	4,250	4,350
S.A.	5,132	5,090	5,290	5,540	WA	483	570	613	626
					OR	205	243	261	251
					CA	2,771	2,580	2,680	2,840
					AK	577	519	594	523
					HI	106	116	106	112

¹ Partial data only. ² Includes District of Columbia.

Source: Through 1994, U.S. Bureau of Mines, thereafter, U.S. Geological Survey, *Annual Reports, and Mineral Commodities Summary*, annual.

No. 1158. Principal Fuels, Nonmetals, and Metals—World Production and the U.S. Share: 1980 to 1995

MINERAL	WORLD PRODUCTION					PERCENT U.S. OF WORLD			
	Unit	1980	1990	1994	1995	1980	1990	1994	1995
Fuels: ¹									
Coal	Bil. sh. ton	4.2	5.4	5.0	5.1	20	19	21	20
Petroleum (crude)	Bil. bbl.	21.7	22.1	22.3	22.8	14	12	11	11
Natural gas (dry, marketable)	Tril. cu. ft.	53.1	73.6	76.7	78.3	37	24	24	24
Natural gas plant liquids	Bil. bbl.	1.4	1.7	1.9	2.0	43	34	33	32
Nonmetals:									
Asbestos	1,000 metric tons.	4,699	4,003	2,460	2,400	2	(D)	(Z)	(NA)
Barite	1,000 metric tons.	7,495	5,633	4,210	4,410	27	8	14	12
Feldspar	1,000 metric tons.	3,202	5,456	5,970	6,110	20	12	13	14
Fluorspar	1,000 metric tons.	5,006	5,131	3,810	3,940	2	1	1	1
Gypsum	Mil. metric tons.	78	100	100	98	14	15	17	17
Mica (incl. scrap)	1,000 metric tons.	228	215	238	245	46	51	46	44
Nitrogen, (fixed) - ammonia	Mil. metric tons.	74	97	91	92	20	13	15	15
Phosphate rock, gross wt.	Mil. metric tons.	144	162	128	131	38	29	32	33
Potash (K ₂ O equivalent)	Mil. metric tons.	28	28	23	25	8	6	6	6
Sulfur, elemental	Mil. metric tons.	55	58	54	54	22	20	21	22
Metals, mine basis:									
Bauxite	Mil. metric tons	89	109	107	109	2	(D)	(NA)	(NA)
Columbian concentrates									
(Nb content)	1,000 metric tons.	15	15	37	43	(NA)	(NA)	-	-
Copper	1,000 metric tons.	7,405	9,017	9,500	10,000	16	18	14	13
Gold	Metric tons	1,219	2,133	2,260	2,250	2	14	15	14
Iron ore	Mil. metric tons	891	982	968	1,030	8	6	6	6
Lead	1,000 metric tons.	3,470	3,353	2,810	2,710	17	15	13	15
Mercury	Metric tons	6,806	4,523	1,800	2,820	16	12	(NA)	(NA)
Molybdenum	1,000 metric tons.	111	128	105	124	62	48	45	49
Nickel	1,000 metric tons.	779	965	924	1,040	2	(Z)	(NA)	(Z)
Silver	1,000 metric tons.	11	16	14	15	9	13	11	11
Tantalum concentrates	Metric tons	544	400	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Titanium concentrates:									
Ilmenite	1,000 metric tons.	3,726	4,072	3,570	3,810	14	(D)	(NA)	(NA)
Rutile	1,000 metric tons.	436	481	469	312	(D)	(D)	(NA)	(NA)
Tungsten	1,000 metric tons.	52	43	35	31	5	14	(NA)	(NA)
Vanadium	1,000 metric tons.	37	31	35	35	12	(D)	8	6
Zinc	1,000 metric tons.	5,954	7,184	7,020	7,120	6	8	9	9
Metals, smelter basis:									
Aluminum	1,000 metric tons.	15,383	19,292	19,200	19,400	30	21	17	17
Cadmium	1,000 metric tons.	18	20	18	19	9	8	6	7
Copper	1,000 metric tons.	7,649	9,472	11,200	11,700	14	15	20	19
Iron, pig.	Mil. metric tons.	514	532	514	525	12	9	10	10
Lead	1,000 metric tons.	5,430	5,763	5,380	5,400	23	23	24	25
Magnesium	1,000 metric tons.	316	354	284	339	49	39	45	42
Raw Steel	Mil. metric tons.	717	771	730	752	14	12	13	13
Tin	1,000 metric tons.	251	223	207	209	1	-	(NA)	(NA)
Zinc	1,000 metric tons.	6,049	7,060	7,370	7,480	6	5	5	5

- Represents or rounds to zero. D Withheld to avoid disclosing company data. NA Not available. Z Less than half the unit of measure. ¹ Source: Energy Information Administration, *International Energy Annual*. ² Content of ore and concentrate. ³ Refinery production. ⁴ Primary production; no smelter processing necessary. ⁵ Production from primary sources only.

Source: Nonfuels, through 1994, U.S. Bureau of Mines, thereafter, U.S. Geological Survey, *Minerals Yearbook*, annual, and *Mineral Commodities Summaries*, annual; fuels, U.S. Energy Information Administration, *Annual Energy Review*.

No. 1159. Federal Strategic and Critical Materials Inventory: 1980 to 1994

[As of Dec. 31. Covers strategic and critical materials essential to military and industrial requirements in time of national emergency]

MINERAL	Unit	QUANTITY ¹				VALUE (mil. dol.) ²			
		1980	1985	1990	1994	1980	1985	1990	1994
Tin	1,000 metric ton.	200	185	169	145	3,158	2,324	962	684
Silver	1,000 Troy oz.	139,500	136,006	92,151	59,507	2,288	801	374	158
Cobalt	Mil. lb.	41	53	53	52	1,020	590	443	561
Bauxite ³	1,000 lg. ton	14,333	17,957	18,033	16,549	583	871	888	191
Manganese ⁴	1,000 sh. ton.	5,130	4,470	4,017	2,792	599	520	962	468
Tungsten ⁵	Mil. lb.	97	87	82	82	817	369	253	178
Zinc	1,000 sh. ton.	380	378	379	360	317	268	483	307
Titanium	1,000 sh. ton.	43	48	37	37	432	405	402	221
Platinum	1,000 Troy oz.	466	466	453	453	215	154	186	131
Chromium ⁶	1,000 sh. ton.	804	854	1,074	1,149	773	836	917	837
Diamonds: Stones	Carat 1,000.	19,224	12,549	7,777	6,457	349	336	267	533
Industrial, bort	Carat 1,000.	23,693	22,001	17,353	4,012	73	39	16	3

¹ Consists of stockpile and nonstockpile grades and reflects uncommitted balances. ² Market values are estimated trade values of similar materials and not necessarily amounts that would be realized at time of sale. ³ Consists of abrasive grade, metallic grade Jamaica, metallic grade Suriname, and refractory. ⁴ Consists of chemical grade, dioxide battery natural, dioxide battery synthetic, electrolytic, ferro-high carbon, ferro-med. carbon, ferro-silicon, and metal. ⁵ Consists of carbide powder, ferro, metal powder, and ores and concentrates. ⁶ Consists of ferro-high carbon, ferro-low carbon, ferro-silicon, and metal.

Source: U.S. Defense Logistics Agency, *Statistical Supplement, Stockpile Report to the Congress* (AP-3).

No. 1160. Net U.S. Imports of Selected Minerals and Metals as Percent of Apparent Consumption, 1980 to 1995

[Percent, based on net imports which equal the difference between imports and exports plus or minus Government stockpile and industry stock changes]

MINERAL	1980	1985	1990	1991	1992	1993	1994	1995
Columbium	100	100	100	100	100	100	100	100
Manganese	98	100	100	100	100	100	100	100
Mica (sheet)	100	100	100	100	100	100	100	100
Strontium	100	100	100	100	100	100	100	100
Bauxite ¹	94	96	98	100	100	100	99	99
Tin	79	72	71	74	80	84	83	84
Tungsten	53	68	81	91	86	82	81	84
Cobalt	93	94	84	80	76	79	79	82
Chromium	91	75	71	72	73	81	75	80
Tantalum	90	89	86	86	85	80	81	80
Potash	65	76	68	69	68	72	76	75
Barite	44	74	71	66	52	72	64	65
Nickel	76	71	64	61	59	63	64	59
Selenium	59	(D)	46	50	48	39	31	38
Zinc ²	60	70	41	24	33	36	35	35
Gypsum	35	38	36	31	31	31	31	32
Aluminum	(³)	16	(³)	(NA)	1	19	30	23
Iron and steel	13	22	13	12	13	15	22	21
Sulfur	14	3	15	19	20	12	12	21
Iron ore	25	21	21	11	12	14	18	14
Copper	16	28	3	(NA)	2	7	13	7
Platinum group	87	92	88	90	87	89	91	(NA)
Silver	7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Mercury	27	(NA)	(D)	(D)	(NA)	(D)	(D)	(D)
Vanadium	35	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Cadmium	55	57	46	50	50	64	1	21

D Withheld to avoid disclosure. NA Not available. ¹ Includes alumina. ² Beginning 1990, effect of sharp rise in exports of concentrates. If calculated on a refined zinc-only basis, reliance would be about the same as pre-1990 level; 1990, 64%; 1991, 61%, 1992, 64%, and 1993, 67%. ³ Net exports.

Source: Except as noted, through 1994, U.S. Bureau of Mines; thereafter, U.S. Geological Survey, *Mineral Commodity Summaries*; import and export data from U.S. Bureau of the Census.

No. 1161. Federal Offshore Leasing, Exploration, Production, and Revenue: 1980 to 1995

[See source for explanation of terms and for reliability statement]

ITEM	Unit	1980	1985	1989	1990	1991	1992	1993	1994	1995
Tracts offered	Number . .	483	15,754	11,013	10,459	16,600	9,618	10,164	10,861	10,995
Tracts leased	Number . .	218	681	1,049	825	676	204	336	560	835
Acres offered	1,000 . . .	2,563	87,029	60,098	56,789	90,288	52,380	55,070	58,895	59,700
Acres leased	1,000 . . .	1,134	3,574	5,581	4,263	3,414	1,021	1,714	2,775	4,342
Bonus paid for leased tracts	Bil. dol. . .	4.2	1.6	0.6	0.6	0.3	0.1	0.1	0.3	0.4
New wells being drilled:										
Active	Number . .	191	195	123	120	64	104	129	120	124
Suspended	Number . .	739	348	361	266	249	180	193	222	247
Wells completed	Number . .	9,638	12,285	12,938	13,167	13,184	13,209	13,181	13,342	13,475
Wells plugged and abandoned	Number . .	8,057	10,487	13,846	14,677	15,430	16,348	16,709	17,427	18,008
Revenue, total ¹	Bil. dol. . .	6.4	5.3	2.9	3.4	2.8	2.6	2.9	2.6	2.6
Bonuses	Bil. dol. . .	4.2	1.6	0.6	0.6	0.3	0.1	0.1	0.3	0.4
Oil and gas royalties ¹	Bil. dol. . .	2.1	3.6	2.1	2.6	2.3	2.3	2.5	2.3	2.1
Rentals	Bil. dol. . .	(Z)	0.1	0.1	0.1	0.1	0.1	(Z)	(Z)	0.9
Sales value ²	Bil. dol. . .	13.1	22.2	13.4	17.0	14.9	15.1	16.4	15.0	13.8
Crude oil	Bil. dol. . .	4.8	9.6	4.4	5.9	5.2	5.3	4.9	4.4	5.4
Condensate	Bil. dol. . .	0.4	1.0	0.8	1.1	1.1	1.0	0.9	0.7	0.9
Natural gas	Bil. dol. . .	7.9	11.4	7.8	9.5	7.9	8.2	9.9	9.8	7.5
Sales volume:										
Crude oil	Mil. bbls. .	259	351	260	274	263	302	307	319	357
Condensate	Mil. bbls. .	19	38	45	51	52	52	55	51	52
Natural gas	Bil. cu. ft .	4,641	4,001	4,200	5,093	4,516	4,686	4,533	4,700	4,692

Z Less than \$50 million. ¹ Includes condensate royalties. ² Production value is value at time of production, not current value.

Source: U.S. Dept. of the Interior, Minerals Management Service, *Federal Offshore Statistics*, annual. .

No. 1162. Petroleum Industry—Summary: 1980 to 1996

[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	1980	1985	1990	1991	1992	1993	1994	1995	1996
Completed wells drilled, total	1,000	56.9	57.9	26.3	24.8	20.2	21.8	17.5	14.6	(NA)
Crude oil	1,000	30.5	33.1	11.5	11.3	8.5	8.3	6.2	5.9	(NA)
Gas	1,000	15.1	13.0	10.1	8.9	7.7	9.4	8.2	6.4	(NA)
Dry	1,000	11.3	11.8	4.8	4.5	4.0	4.2	3.1	2.3	(NA)
Average depth per well ¹	Feet	4,188	4,225	4,662	4,805	5,194	5,422	6,079	5,886	(NA)
Average cost per well ¹	\$1,000	368	349	384	422	383	427	483	513	(NA)
Offshore	\$1,000	3,024	4,073	3,112	3,550	3,223	3,250	3,412	3,688	(NA)
Average cost per foot ¹	Dollars	77.02	75.35	76.07	82.64	70.27	75.30	79.49	87	(NA)
Crude oil production, total	Mil. bbl.	3,138	3,274	2,685	2,707	2,617	2,499	2,432	2,394	2,362
Value at wells	Bil. dol.	67.7	78.9	53.8	44.8	41.9	35.6	32.1	35.0	43.6
Average price per barrel	Dollars	21.59	24.09	20.03	16.54	15.99	14.25	13.19	14.62	18.46
Lower 48 states	Mil. bbl.	2,548	2,608	2,037	2,051	1,992	1,921	1,863	1,842	1,852
Alaska	Mil. bbl.	590	666	647	656	626	577	569	542	510
Onshore	Mil. bbl.	2,760	2,819	2,290	2,279	2,173	2,046	1,931	1,891	(NA)
Offshore	Mil. bbl.	377	456	395	428	445	453	500	493	(NA)
Imports: Crude oil	Mil. bbl.	1,920	1,168	2,150	2,110	2,219	2,478	2,577	2,639	2,731
Refined petroleum products	Mil. bbl.	602	683	774	672	657	668	706	586	700
Proved reserves	Bil. bbl.	29.8	28.4	26.5	26.3	24.7	23.7	23.0	22.5	(NA)
Operable refineries	Number	319	223	205	202	199	187	179	175	(NA)
Capacity (Jan. 1)	Mil. bbl.	6,566	5,716	5,683	5,723	5,731	5,519	5,486	5,632	(NA)
Refinery input, total	Mil. bbl.	5,117	4,814	5,325	5,307	5,340	5,482	5,482	5,541	(NA)
Crude oil	Mil. bbl.	4,920	4,380	4,895	4,855	4,895	4,968	5,063	5,099	(NA)
Natural gas plant liquids	Mil. bbl.	168	186	172	172	172	179	172	172	(NA)
Other liquids	Mil. bbl.	29	248	259	281	274	336	252	270	(NA)
Refinery output, total	Mil. bbl.	5,336	5,019	5,574	5,570	5,621	5,763	5,763	5,822	(NA)
Motor gasoline	Mil. bbl.	2,369	2,343	2,540	2,548	2,577	2,665	2,621	2,712	(NA)
Jet fuel	Mil. bbl.	365	434	544	526	511	518	529	515	(NA)
Distillate fuel oil	Mil. bbl.	971	982	1,066	1,080	1,084	1,142	1,168	1,150	(NA)
Residual fuel oil	Mil. bbl.	577	321	347	339	325	307	303	288	(NA)
Liquefied petroleum gases	Mil. bbl.	120	142	183	197	223	215	223	237	(NA)
Other products	Mil. bbl.	934	796	894	880	902	913	920	916	(NA)
Utilization rate	Percent	75.4	77.6	87.1	86.0	87.9	91.5	92.6	91.9	(NA)

NA Not available. ¹ Source: American Petroleum Institute, *Joint Association Survey on Drilling Costs*, annual.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review*, *Petroleum Supply Annual*; *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*; and *Monthly Energy Review*, May 1997 issue.

No. 1163. U.S. Petroleum Balance: 1980 to 1995

[In millions of barrels]

ITEM	1980	1985	1990	1991	1992	1993	1994	1995
Petroleum products supplied for domestic use	6,242	5,740	6,201	6,101	6,234	6,291	6,467	6,469
Production of products	5,765	5,363	5,934	5,933	6,050	6,182	6,244	6,323
Crude input to refineries	4,934	4,381	4,894	4,855	4,909	4,969	5,061	5,100
Oil, field production	3,138	3,274	2,685	2,707	2,617	2,499	2,431	2,394
Alaska	592	666	647	656	627	577	569	542
Lower 48 States	2,555	2,608	2,037	2,050	1,997	1,922	1,863	1,853
Net imports	1,821	1,094	2,112	2,068	2,194	2,441	2,542	2,604
Imports (gross excluding SPR) ¹	1,910	1,125	2,142	2,111	2,223	2,472	2,574	2,639
SPR ¹ imports	16	43	10	-	4	5	4	-
Exports	-105	75	40	42	32	36	36	35
Other sources	33	12	98	80	90	28	88	102
Natural gas liquids (NGL), supply	577	604	574	613	628	664	694	708
Other liquids	253	378	465	466	513	550	489	514
Net imports of refined products	484	313	326	177	156	134	217	101
Imports	578	523	598	500	471	461	518	407
Exports	-94	210	272	323	315	327	302	307
Stock withdrawal, refined products	7	64	-59	-	28	-	6	46
TYPE OF PRODUCT SUPPLIED								
Total products supplied for domestic use	6,242	5,740	6,201	6,101	6,234	6,291	6,467	6,469
Finished motor gasoline	2,407	2,493	2,641	2,623	2,660	2,729	2,774	2,843
Distillate fuel oil	1,049	1,047	1,103	1,066	1,090	1,110	1,154	1,170
Residual fuel oil	918	439	449	423	401	394	373	311
Liquefied petroleum gases ²	414	584	568	616	642	633	686	693
Other	1,454	1,177	1,440	1,373	1,441	1,425	1,480	1,452
ENDING STOCKS								
Ending stocks, all oils	1,392	1,519	1,621	1,617	1,592	1,647	1,653	1,563
Crude oil and lease condensate	358	321	323	325	318	335	337	303
Strategic Petroleum Reserve (SPR) ¹	108	493	586	569	575	587	592	592
Other	926	705	712	723	699	725	724	668

- Represents zero. ¹ SPR=Strategic petroleum reserve. See table 940. ² Includes ethane.

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

No. 1164. Crude Petroleum and Natural Gas—Production and Value, by Major Producing States: 1990 to 1995

STATE	CRUDE PETROLEUM						NATURAL GAS MARKETED PRODUCTION ¹					
	Quantity (mil. bbl.)			Value (mil. dol.)			Quantity (bil. cu. ft.)			Value (mil. dol.)		
	1990	1994	1995	1990	1994	1995	1990	1994	1995	1990	1994	1995
Total ² . . .	2,685	2,431	2,394	53,772	32,071	35,004	18,594	19,635	19,506	31,658	36,536	30,235
AL.	18	18	19	387	275	306	135	515	520	373	1,119	946
AK.	658	569	557	10,086	5,559	8,514	403	453	470	554	578	770
AR.	10	10	9	222	131	132	175	188	187	360	497	565
CA.	322	286	279	5,732	3,467	3,906	363	309	280	857	940	484
CO.	31	29	28	722	442	466	243	453	523	377	629	497
FL.	6	6	6	(NA)	(NA)	(NA)	6	7	6	15	10	8
IL.	20	17	16	467	270	274	1	(Z)	(Z)	1	1	(NA)
IN.	3	2	3	73	39	47	(Z)	(Z)	(Z)	1	(Z)	(NA)
KS.	59	47	44	1,359	687	709	574	713	721	893	1,139	981
KY.	5	4	3	124	62	57	75	73	75	169	164	123
LA.	148	126	123	3,409	1,973	2,096	5,242	5,170	5,108	9,587	10,728	8,071
MI.	20	12	11	458	188	189	140	223	238	420	436	398
MS.	30	20	20	630	271	294	95	63	96	167	95	118
MT.	20	17	17	429	222	247	50	50	50	90	73	68
NE.	5	4	4	119	57	58	1	3	2	2	5	3
NM.	66	66	65	1,472	1,009	1,080	965	1,558	1,626	1,629	2,463	2,049
NY.	(Z)	(Z)	(Z)	9	(NA)	(NA)	25	20	18	55	48	42
ND.	39	28	29	849	388	457	52	58	49	93	(NA)	(NA)
OH.	8	9	8	196	140	138	155	132	126	393	321	294
OK.	117	91	87	2,690	1,395	1,459	2,258	1,935	1,812	3,548	3,290	2,609
PA.	2	3	2	54	41	33	178	150	111	417	414	315
TX.	674	591	560	15,060	8,849	9,167	6,343	6,354	6,330	9,939	11,985	10,191
UT.	23	21	20	524	338	354	146	271	241	249	417	277
WV.	2	2	2	43	30	32	178	182	186	568	480	413
WY.	103	80	79	2,169	1,087	1,223	736	696	674	856	1,429	1,199

NA Not available. Z Less than 500 million cubic feet or less than \$500,000. ¹ Excludes nonhydrocarbon gases. ² Includes other States not shown separately. State production does not include State offshore production. Source: U.S. Energy Information Administration, *Energy Data Reports, Petroleum Supply Annual, Natural Gas Annual, and Natural Gas Monthly*.

No. 1165. Crude Oil, Natural Gas, and Natural Gas Liquids—Reserves by State: 1990 and 1995

[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. Indicated reserves of crude oil are quantities other than proved reserves, which may become economically recoverable from existing productive reservoirs through the application of improved recovery techniques using current technology. Based on a sample of operators of oil and gas wells]

STATE	1990				1995			
	Crude oil		Natural gas (bil. cu. ft.)	Natural gas liquids (mil. bbl.)	Crude oil		Natural gas (bil. cu. ft.)	Natural gas liquids (mil. bbl.)
	Proved (mil. bbl.)	Indicated			Proved (mil. bbl.)	Indicated		
United States	26,254	3,483	169,346	7,586	22,351	2,669	165,146	7,399
Alabama	44	(1) ¹	4,125	170	43	-	4,868	120
Alaska	6,524	969	9,300	340	5,580	582	9,497	306
Arkansas	60	1	1,731	9	48	-	1,563	6
California	² 4,658	² 1,425	² 3,185	² 105	² 3,462	² 823	² 2,243	² 92
Colorado.	305	8	4,555	169	252	24	7,256	273
Florida	42	-	45	8	71	-	92	17
Illinois	131	-	(NA)	(NA)	119	-	(NA)	(NA)
Indiana.	12	-	(NA)	(NA)	13	-	(NA)	(NA)
Kansas.	321	(1)	9,614	313	275	(1)	8,571	369
Kentucky	33	-	1,016	25	24	-	1,044	43
Louisiana	² 705	² 22	² 11,728	² 538	² 637	² 475	² 9,274	² 601
Michigan.	124	3	1,243	81	76	1	1,294	45
Mississippi	227	8	1,126	11	140	6	663	8
Montana.	221	-	899	15	178	-	782	8
Nebraska	26	-	(NA)	(NA)	25	-	(NA)	(NA)
New Mexico	687	256	17,260	990	732	185	17,491	943
New York	(NA)	(NA)	354	(NA)	(NA)	(NA)	197	(NA)
North Dakota.	285	-	586	60	233	6	463	53
Ohio	65	-	1,214	(NA)	53	-	1,054	(NA)
Oklahoma	734	37	16,151	657	676	48	13,438	674
Pennsylvania.	22	-	1,720	(NA)	11	-	1,482	(NA)
Texas.	² 7,106	² 618	² 38,192	² 2,575	² 5,743	² 395	² 36,542	² 5,224
Utah	249	44	1,510	(³)	216	50	1,580	(³)
Virginia.	(NA)	(NA)	138	(NA)	(NA)	(NA)	1,836	(NA)
West Virginia.	31	-	2,207	86	28	-	2,499	62
Wyoming	794	42	9,944	⁴ 812	605	12	12,166	⁴ 593
Federal offshore.	2,805	49	31,433	619	3,089	62	29,182	655

- Represents or rounds to zero. NA Not available. ¹ Includes state offshore. ² Excludes Federal offshore. ³ Included with Wyoming. ⁴ Includes Utah. Source: Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Report 1995*.

No. 1166. World Crude Oil Production, by Major Producing Country: 1980 to 1995

[In thousands of barrels per day]

COUNTRY	1980	1985	1989	1990	1991	1992	1993	1994	1995
World, total ¹	59,599	53,981	59,863	60,566	60,207	60,216	60,647	61,003	62,446
Saudi Arabia	9,900	3,388	5,064	6,410	8,115	8,332	8,198	8,120	8,231
United States	8,597	8,971	7,613	7,355	7,417	7,171	6,847	6,662	6,560
Russia (X)	(X)	(X)	(X)	(X)	(X)	7,632	6,730	6,135	5,995
Iran	1,662	2,250	2,810	3,088	3,312	3,429	3,540	3,618	3,643
China	2,114	2,505	2,757	2,774	2,835	2,845	2,890	2,939	2,990
Norway (NA)	(NA)	(NA)	1,554	1,704	1,890	2,230	2,350	2,521	2,768
Venezuela	2,168	1,677	1,907	2,137	2,375	2,371	2,450	2,588	2,750
Mexico	1,936	2,745	2,520	2,553	2,680	2,669	2,673	2,685	2,618
United Kingdom	1,622	2,530	1,802	1,820	1,797	1,825	1,915	2,375	2,489
United Arab Emirates	1,709	1,193	1,860	2,117	2,386	2,266	2,159	2,193	2,279
Kuwait	1,656	1,023	1,783	1,175	190	1,058	1,852	2,025	2,057
Nigeria	2,055	1,495	1,716	1,810	1,892	1,943	1,960	1,931	1,993
Canada	1,435	1,471	1,560	1,553	1,548	1,605	1,679	1,746	1,805
Indonesia	1,577	1,325	1,409	1,462	1,592	1,504	1,511	1,510	1,503
Libya	1,787	1,059	1,150	1,375	1,483	1,433	1,361	1,378	1,390
Algeria	1,106	1,037	1,095	1,175	1,230	1,214	1,162	1,180	1,202

NA Not available. X Not applicable. ¹ Includes countries not shown separately.

Source: U. S. Energy Information Administration, *International Energy Annual, 1995*.

No. 1167. World Natural Gas Production, by Major Producing Country: 1980 to 1995

[In quadrillion Btu's]

COUNTRY	1980	1985	1989	1990	1991	1992	1993	1994	1995
World, total ¹	52.58	61.42	71.49	72.53	73.29	73.70	75.17	75.81	77.42
United States	19.91	16.98	17.85	18.36	18.23	18.38	18.58	19.27	19.33
Russia (X)	(X)	(X)	(X)	(X)	(X)	20.60	19.87	19.41	19.01
Canada	2.80	3.08	3.85	3.90	4.12	4.60	4.99	5.45	5.80
United Kingdom	1.37	1.57	1.64	1.92	2.01	2.01	2.40	2.57	2.77
Netherlands	3.04	2.69	2.39	2.41	2.72	2.73	2.78	2.63	2.66
Indonesia	0.66	1.29	1.57	1.53	1.72	1.79	1.97	2.21	2.23
Algeria	0.44	1.44	1.81	1.90	2.05	2.09	2.02	1.92	2.18
Saudi Arabia	0.39	0.75	1.10	1.13	1.18	1.26	1.33	1.39	1.49
Iran	0.26	0.63	0.83	0.88	0.97	0.93	1.01	1.19	1.31
Norway	0.99	1.02	1.18	1.06	1.05	1.14	1.06	1.16	1.20
Mexico	0.97	0.92	0.94	0.96	1.14	1.13	1.10	1.11	1.15
Australia	0.34	0.49	0.59	0.76	0.79	0.87	0.92	0.98	1.13
Venezuela	0.56	0.70	0.88	0.91	0.95	0.91	0.97	1.04	1.11
United Arab Emirates	0.21	0.51	0.85	0.82	0.96	1.07	0.98	0.95	1.11
Malaysia	0.04	0.45	0.63	0.68	0.78	0.83	0.92	0.96	1.10

X Not applicable. ¹ Includes other countries not shown separately.

Source: U. S. Energy Information Administration, *International Energy Annual, 1995*.

No. 1168. Liquefied Petroleum Gases—Summary: 1980 to 1995

[In millions of 42-gallon barrels. Includes ethane]

ITEM	1980	1985	1989	1990	1991	1992	1993	1994	1995
Production	561	622	654	638	683	720	850	734	760
At natural gas plants	441	479	452	456	488	500	634	511	521
At refineries	121	143	202	182	196	222	216	223	234
Imports	79	68	66	68	54	57	70	67	53
Refinery input	85	111	115	107	111	172	179	108	105
Exports	9	23	13	14	15	18	16	14	21
Stocks, Dec. 31	116	74	80	98	92	98	117	99	93

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

No. 1169. Natural Gas Plant Liquids—Production and Value: 1980 to 1995

[Barrels of 42 gallons]

ITEM	Unit	1980	1985	1989	1990	1991	1992	1993	1994	1995
Field production ¹	Mil. bbl . . .	576	587	564	566	606	621	634	630	643
Pentanes plus	Mil. bbl . . .	126	103	113	112	118	121	122	119	122
Liquefied petroleum gases	Mil. bbl . . .	441	479	451	454	488	500	512	511	521
Natural gas processed	Tril. cu. ft. . .	15	13	13	15	16	16	16	(NA)	17

NA Not available. ¹ Includes other finished petroleum products, not shown separately.

Source: U.S. Energy Information Administration, *Energy Data Reports, Petroleum Statement Annual, Petroleum Supply Annual, and Natural Gas Annual*.

No. 1170. Natural Gas—Supply, Consumption, Reserves, and Marketed Production: 1980 to 1996

ITEM	Unit	1980	1985	1989	1990	1991	1992	1993	1994	1995	1996
Producing wells (year-end)	1,000	182	243	262	269	276	276	282	292	299	(NA)
Production value at wells	Bill. dol. . . .	32.1	43.4	30.6	31.8	30.3	32.6	38.8	36.5	30.3	44.9
Avg. per 1,000 cu. ft. . . .	Dollars	1.59	2.51	1.69	1.71	1.64	1.74	2.04	1.85	1.55	2.25
Proved reserves ¹	Tril. cu. ft. . . .	199	193	167	169	167	165	162	164	165	(NA)
Marketed production ²	Tril. cu. ft. . . .	20.2	17.3	18.1	18.6	18.5	18.7	19.1	19.7	19.5	20.0
Minus: Extraction losses ³	Tril. cu. ft. . . .	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9
Equals: Dry production	Tril. cu. ft. . . .	19.4	16.5	17.3	17.8	17.7	17.8	18.1	18.8	18.6	19.0
Plus: Withdrawals from storage	Tril. cu. ft. . . .	2.0	2.4	2.9	2.0	2.8	2.8	2.8	2.6	3.0	(NA)
Plus: Imports ⁴	Tril. cu. ft. . . .	1.0	0.9	1.4	1.5	1.8	2.1	2.4	2.6	2.8	(NA)
Plus: Balancing item	Tril. cu. ft. . . .	-0.6	-0.4	-0.2	-0.2	-0.5	-0.5	-0.1	-0.4	-0.2	(NA)
Equals: Total supply	Tril. cu. ft. . . .	21.9	19.5	21.4	21.3	21.8	22.4	23.3	23.7	24.3	(NA)
Minus: Exports	Tril. cu. ft. . . .	0.5	0.6	0.1	0.9	0.1	0.2	0.1	0.2	0.2	(NA)
Minus: Additions to storage ⁵	Tril. cu. ft. . . .	1.9	2.2	2.5	2.5	2.7	2.6	2.8	2.9	2.6	(NA)
Equals:											
Consumption, total	Tril. cu. ft. . . .	19.9	17.3	18.8	18.7	19.0	19.5	20.3	20.7	21.6	21.9
Lease and plant fuel	Tril. cu. ft. . . .	1.0	1.0	1.1	1.2	1.1	1.2	1.2	1.1	1.2	1.2
Pipeline fuel	Tril. cu. ft. . . .	0.6	0.5	0.6	0.7	0.6	0.6	0.6	0.7	0.7	0.7
Residential	Tril. cu. ft. . . .	4.8	4.4	4.8	4.4	4.6	4.7	5.0	4.8	4.9	5.2
Commercial ⁶	Tril. cu. ft. . . .	2.6	2.4	2.7	2.6	2.7	2.8	2.9	2.9	3.0	3.2
Industrial	Tril. cu. ft. . . .	7.2	5.9	6.8	7.0	7.2	7.5	8.0	8.2	8.6	8.8
Vehicle fuel	Tril. cu. ft. . . .	(NA)	(NA)	(NA)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(NA)
Electric utilities	Tril. cu. ft. . . .	3.7	3.0	2.8	2.8	2.8	2.8	2.7	3.0	3.2	2.7
World production (dry)	Tril. cu. ft. . . .	53.1	62.0	71.5	72.5	73.3	73.7	75.2	75.8	77.4	(NA)
U.S. production (dry)	Tril. cu. ft. . . .	19.4	16.5	17.6	18.4	18.2	18.4	18.6	19.3	19.3	(NA)
Percent U.S. of world	Percent	36.5	26.4	24.6	25.3	24.9	24.9	24.7	25.4	25.0	(NA)

NA Not available. Z Less than .05 trillion cubic feet. ¹ Estimated, end of year. Source: U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, annual*. ² Marketed production includes gross withdrawals from reservoirs less quantities used for reservoir repressuring and quantities vented or flared. For 1980 and thereafter, it excludes the nonhydrocarbon gases subsequently removed. ³ Volumetric reduction in natural gas resulting from the extraction of natural gas constituents at natural gas processing plants. ⁴ Includes imports of liquefied natural gas. ⁵ Includes liquefied natural gas (LNG) storage in above ground tanks. ⁶ 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, Natural Gas Annual*, Volume I and II and *Monthly Energy Review*.

No. 1171. Natural Gas—Financial Performance Measure: 1985 to 1994

[LT = Long term. S&P = Standard & Poor's]

ITEM	1985	1987	1988	1989	1990	1991	1992	1993	1994
Producer segment, majors:									
Average adjusted stock price	28.24	37.01	41.64	51.79	49.20	50.01	48.50	57.50	(NA)
S&P bond rating	AA-	A	AA-	AA	AA	AA	AA	BBB-	BB+
LT debt as a percent of invested capital	32.06	28.33	30.54	30.35	27.76	29.19	30.10	42.15	40.40
Times interest earned ratio	5.09	3.76	4.42	4.32	5.07	4.04	3.93	2.25	2.55
Rate of return on common equity (percent) . .	14.30	10.64	17.67	18.56	17.78	12.54	9.05	7.30	6.72
Price/earnings ratio	7.35	11.69	9.11	10.65	9.98	15.15	15.14	23.53	33.63
Market/book value ratio	1.18	1.69	1.65	1.99	1.92	2.01	2.07	2.61	2.51
Producer segment, independents:									
Average adjusted stock price	14.66	12.33	12.84	17.34	15.14	12.01	11.93	14.53	(NA)
S&P bond rating	A-	BBB	BBB-	BBB-	BBB-	BBB-	BB+	BB+	BB+
LT debt as a percent of invested capital	47.39	61.13	73.47	68.00	63.00	55.87	53.93	45.01	45.64
Times interest earned ratio	0.36	0.52	0.91	1.59	1.46	1.21	1.46	1.83	1.04
Rate of return on common equity (percent) . .	-10.39	-7.85	-1.69	6.51	1.93	-1.17	1.99	5.14	0.61
Price/earnings ratio	6.78	15.70	17.96	16.45	23.75	31.28	21.50	26.46	35.71
Market/book value ratio	1.23	1.96	1.84	2.32	2.63	2.05	1.85	2.30	2.35
Pipeline segment, w/Columbia:									
Average adjusted stock price	19.68	17.96	20.52	27.84	23.76	20.10	23.49	26.26	(NA)
S&P bond rating	BBB-	BBB-	BBB	BBB	BBB	BBB-	BB+	BBB-	BBB
LT debt as a percent of invested capital	53.35	52.92	52.29	52.99	53.24	55.91	54.61	50.24	47.30
Times interest earned ratio	1.89	1.75	1.44	1.79	1.65	1.00	1.74	2.33	2.72
Rate of return on common equity (percent) . .	6.32	7.97	6.18	8.63	7.47	1.01	6.23	10.88	12.25
Price/earnings ratio	10.94	12.04	13.42	14.66	16.00	17.36	13.18	16.68	14.42
Market/book value ratio	1.11	1.31	1.28	1.51	1.55	1.52	1.53	1.86	1.77
Average adjusted stock price	17.69	18.84	18.66	23.29	21.21	20.53	22.78	26.06	(NA)
S&P bond rating	BBB+	A	A	A	A	A	A	A	A
LT debt as a percent of invested capital	44.21	44.27	47.30	46.31	47.28	48.62	48.83	46.62	47.93
Times interest earned ratio	2.81	3.01	2.51	2.49	2.04	1.95	2.42	2.88	2.92
Rate of return on common equity (percent) . .	8.55	12.19	10.35	12.35	9.17	7.17	4.09	10.95	11.45
Price/earnings ratio	8.42	11.96	10.16	12.01	12.69	15.15	14.38	14.83	13.02
Market/book value ratio	1.29	1.48	1.36	1.49	1.51	1.47	1.56	1.77	1.56

NA Not available.

Source: U.S. Energy Information Administration, *Natural Gas 1995: Issues and Trends*.

No. 1172. Coal and Coke—Summary: 1980 to 1996

[Includes coal consumed at mines. Demonstrated coal reserve base for United States on Jan. 1, 1992, was an estimated 476 billion tons. 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	1980	1985	1990	1992	1993	1994	1995	1996, prel.
COAL									
Coal production, total ¹	Mil. sh. tons . . .	830	884	1,029	998	945	1,034	1,033	1,057
Value	Mil. dol.	20,453	22,277	22,404	20,976	18,624	20,076	19,709	(NA)
Anthracite production	Mil. sh. tons . . .	6.1	4.7	3.5	3.4	4.3	4.6	4.7	(NA)
Bituminous coal and lignite:									
Production	Mil. sh. tons . . .	824	879	1,026	998	945	1,034	1,033	(NA)
Underground	Mil. sh. tons . . .	337	350	425	407	351	399	396	(NA)
Surface	Mil. sh. tons . . .	487	529	605	590	594	634	637	(NA)
Exports	Mil. sh. tons . . .	92	93	106	103	75	71	89	90
Imports	Mil. sh. tons . . .	1.2	2.0	2.7	3.8	7.3	7.6	7.2	7.1
Consumption ²	Mil. sh. tons . . .	703	818	896	892	926	930	941	983
Electric power utilities	Mil. sh. tons . . .	569	694	774	800	814	817	829	(NA)
Industrial	Mil. sh. tons . . .	126	116	76	74	75	75	73	(NA)
Number of mines	Number	5,598	4,547	3,243	2,134	2,326	2,209	1,905	(NA)
Daily employment	1,000	225	169	131	110	101	98	90	(NA)
Production, by State:									
Alabama	Mil. sh. tons . . .	26	28	29	26	25	23	25	24
Illinois	Mil. sh. tons . . .	63	59	60	60	41	53	48	46
Indiana	Mil. sh. tons . . .	31	33	36	31	29	31	26	30
Kentucky	Mil. sh. tons . . .	150	152	173	161	156	162	154	150
Montana	Mil. sh. tons . . .	30	33	38	39	36	42	39	38
Ohio	Mil. sh. tons . . .	39	36	35	30	29	30	26	29
Pennsylvania	Mil. sh. tons . . .	93	71	71	69	60	62	62	68
Virginia	Mil. sh. tons . . .	41	41	47	43	39	37	34	36
West Virginia	Mil. sh. tons . . .	122	128	169	162	131	162	163	166
Wyoming	Mil. sh. tons . . .	95	141	184	190	210	237	264	278
Other States	Mil. sh. tons . . .	140	162	187	188	189	195	192	192
World production	Mil. sh. tons . . .	4,103	4,779	5,356	5,030	4,958	5,041	5,091	(NA)
COKE									
Coke production ³	Mil. sh. tons . . .	46.10	28.40	27.60	23.40	22.20	22.69	23.75	23.08
Imports	Mil. sh. tons . . .	0.66	0.58	0.77	1.74	1.53	1.61	1.82	1.11
Exports	Mil. sh. tons . . .	2.07	1.12	0.57	0.64	0.84	0.66	0.75	1.12
Consumption	Mil. sh. tons . . .	41.28	29.06	27.81	24.73	24.30	24.16	24.45	(NA)

NA Not available. ¹ Includes bituminous coal, lignite, and anthracite. ² Includes some categories not shown separately. ³ Includes beehive coke.

Source: U.S. Energy Information Administration, *Coal Industry*, annual; *Annual Energy Review*, and *Quarterly Coal Report*, and unpublished data.

No. 1173. World Coal Production, by Major Producing Country: 1986 to 1995

[In millions of short tons]

COUNTRY	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
World, total	5,022.3	5,131.3	5,235.4	5,324.2	5,356.3	5,033.3	5,030.4	4,958.2	5,040.5	5,090.9
Canada	63.7	67.5	77.9	77.7	75.4	78.4	72.3	76.1	80.3	82.6
United States	890.3	918.8	950.3	980.7	1,029.1	998.0	997.5	945.4	1,033.5	1,033.0
Germany	(X)	(X)	(X)	(X)	(X)	388.4	346.1	315.2	291.8	274.2
Greece	42.0	49.2	53.3	57.2	57.2	58.1	60.7	60.4	62.5	64.1
Spain	52.4	47.3	45.1	48.4	39.6	37.0	36.9	34.8	32.7	31.5
Turkey	51.0	51.6	43.2	57.6	52.3	50.8	56.7	53.5	59.9	59.7
United Kingdom	119.2	115.1	114.8	111.4	106.0	106.6	94.9	76.3	54.0	52.4
Serbia and Montenegro	(X)	(X)	(X)	(X)	(X)	(X)	46.9	40.9	40.6	44.4
Czech Republic	(X)	(X)	(X)	(X)	(X)	(X)	77.2	82.1	78.6	78.6
Poland	285.9	293.4	293.8	275.0	237.3	231.2	218.8	218.9	220.9	217.7
Romania	52.4	56.8	64.8	68.5	42.1	35.7	42.2	42.8	45.3	43.9
Kazakhstan	(X)	(X)	(X)	(X)	(X)	(X)	139.4	123.5	115.1	91.7
Russia	(X)	(X)	(X)	(X)	(X)	(X)	405.9	364.0	320.3	310.0
Ukraine	(X)	(X)	(X)	(X)	(X)	(X)	147.3	127.6	104.2	91.4
South Africa	194.8	194.6	199.9	194.5	193.2	196.4	191.9	203.0	215.8	227.3
Australia	186.8	208.9	196.4	216.1	225.8	235.9	249.0	247.6	249.2	268.0
China	985.5	1,022.9	1,080.1	1,161.9	1,190.4	1,198.7	1,230.6	1,330.5	1,410.4	1,478.1
India	207.4	208.6	214.5	221.4	233.4	252.7	262.6	290.1	295.6	311.1
Indonesia	3.1	3.6	4.6	9.2	11.9	15.1	23.3	30.4	32.5	41.5
Korea, North	60.6	62.3	66.1	69.1	71.3	72.8	73.9	77.7	77.7	78.1

X Not applicable.

Source: U.S. Energy Information Administration, *International Energy Annual*.

No. 1174. Demonstrated Coal Reserves, by Type of Coal and Major Producing State: 1995

[In millions of short tons. 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. For more information on the classification of coal resources and related terminology, see report cited below]

STATE	Total reserves	TYPE OF COAL				METHOD OF MINING	
		Anthracite	Bituminous	Sub-bituminous	Lignite	Under ground	Surface
United States	495,666	7,483	257,780	185,950	44,453	328,552	167,113
Alabama	4,635	-	3,552	-	1,083	1,362	3,273
Alaska	6,130	-	698	5,418	14	5,423	707
Colorado	16,844	26	8,777	3,852	4,190	12,049	4,795
Illinois	89,956	-	89,956	-	-	73,781	16,175
Indiana	9,991	-	9,991	-	-	8,873	1,118
Iowa	2,190	-	2,190	-	-	1,733	457
Kentucky	32,565	-	32,565	-	-	18,885	13,680
Kentucky, Eastern	12,485	-	12,485	-	-	2,525	9,960
Kentucky, Western	20,080	-	20,080	-	-	16,360	3,720
Missouri	5,996	-	5,996	-	-	1,479	4,517
Montana	119,773	-	1,385	102,627	15,761	70,959	48,815
New Mexico	12,547	2	3,741	8,804	-	6,205	6,341
North Dakota	9,470	-	-	-	9,470	-	9,470
Ohio	23,754	-	23,754	-	-	17,847	5,907
Oklahoma	1,580	-	1,580	-	-	1,237	342
Pennsylvania	28,868	7,225	21,643	-	-	24,408	4,460
Anthracite	7,225	7,225	-	-	-	3,850	3,375
Bituminous	21,643	-	21,643	-	-	20,558	1,085
Texas	13,065	-	-	-	13,065	-	13,065
Utah	5,956	-	5,955	1	-	5,688	268
Virginia	2,327	126	2,202	-	-	1,630	697
Washington	1,401	-	304	1,089	8	1,332	69
West Virginia	35,983	-	35,983	-	-	31,420	4,564
Wyoming	68,496	-	4,354	64,141	-	42,525	25,971
East of the MS River	229,779	7,351	221,346	-	1,083	179,529	50,250
West of the MS River	265,886	132	36,434	185,950	43,370	149,023	116,863

- Represents or rounds to zero.

Source: U.S. Energy Information Administration, *U.S. Coal Reserves: A Review and Update*, August 1996.

No. 1175. Uranium Concentrate (U₃O₈) Industry—Summary: 1980 to 1995

[Middle demand case. See table 951]

ITEM	Unit	1980	1985	1989	1990	1991	1992	1993	1994	1995
Production	1,000 sh. tons . . .	21.9	5.7	6.9	4.4	4.0	2.8	1.5	1.7	3.0
Net imports (U ₃ O ₈)	1,000 sh. tons . . .	-1.1	3.2	5.5	10.9	6.4	10.3	9.0	9.5	15.8
Utility and Suppliers inventories (U ₃ O ₈ equivalent)	1,000 sh. tons . . .	(NA)	¹ 88.5	¹ 69.1	¹ 64.6	¹ 59.4	¹ 58.7	¹ 52.9	¹ 43.4	¹ 35.1
Price (1992 dol./lb. U ₃ O ₈):										
Long-term contract price	Dollars	48.62	28.88	(NA)	(NA)	(NA)	(NA)	(NA)	11.55	11.69
Spot market price	Dollars	52.63	19.90	11.15	10.43	8.94	7.95	9.73	² 8.87	² 10.66
Delivered price	Dollars	46.61	³ 40.09	³ 21.81	16.77	14.04	13.45	12.81	9.81	10.47
Capital expenditures (1992 dollars)	Mil. dol.	1308	50	87	86	68	52	(NA)	(NA)	(NA)
Employment	1,000 person years	19.9	2.4	1.6	1.3	1.0	0.7	0.9	⁴ 1.0	⁴ 1.1

NA Not available. ¹ Includes natural U₃O₈ (uranium oxide), natural UF₆ (uranium hexafluoride), natural UF₆ under usage agreement, UF₆ at enrichment suppliers, enriched UF₆ and fabricated fuel. ² Tradetech's restricted exchange value. ³ Average U.S. contract prices and market price settlements. ⁴ Includes reclamation activities (491 person years in 1993, 528 person years in 1994, and 573 person years in 1995).

Source: U.S. Department of Energy, *Domestic Uranium Mining and Milling Industry*, annual, and *Uranium Industry*, annual.