

# STATISTICAL SUMMARY

By Stephen D. Smith

This annual report summarizes data on crude nonfuel mineral production for the United States, its island possessions, and the Commonwealth of Puerto Rico.

Although crude mineral production may be measured at any of several stages of extraction and processing, the stage of measurement used in this annual report is what is termed "mine output." This term refers to minerals or ores in the form in which they are first extracted from the ground, but customarily may include the output from auxiliary processing at or near the mines.

Because of inadequacies in the statistics available, some series deviate from the foregoing definition. For copper, gold, lead, silver, tin, and zinc, the quantities shown are recorded on a mine basis (as the recoverable content of ore sold or treated). However, the preliminary values assigned to the quantities are based on the average selling price of refined metal, not the mine value. Mercury is measured as recovered metal and valued at the average New York price for the metal. Values shown are in current dollars, with no adjustments made to compensate for changes in the purchasing power of the dollar.

The total value of all nonfuel mineral production in the

United States increased over 9% to \$38.5 billion in 1995, with metals increasing over 16% to \$14.1 billion and industrial minerals rising almost 6% to \$24.4 billion over that of 1994. Eight of the mineral commodities produced in the United States in 1995 had an individual total production value greater than \$1 billion. These commodities, in descending order, were: stone (crushed and broken), copper, cement (portland), gold, sand and gravel (construction), clays, iron ore, and lime. They comprised over 77% of the U.S. total production. (*See table 1.*)

In 1995, 12 States produced mineral commodities with individual total production values of greater than \$1 billion. These States, in descending order, were: Arizona, Nevada, California, Utah, Georgia, Texas, Florida, Minnesota, Michigan, Missouri, New Mexico, and Pennsylvania. They comprised almost 60% of the U.S. total production. (*See table 4.*)

Also included in this report are tables that show the principal nonfuel mineral commodities exported from and imported into the United States. Due to publication delays in some individual commodities, complete data for 1995 are not currently available for this publication. (*See tables 7 and 8.*)

TABLE 1  
NONFUEL MINERAL PRODUCTION 1/ IN THE UNITED STATES 2/

Mineral	1993		1994		1995		
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	
<b>Metals:</b>							
Beryllium concentrates	metric tons	4,940	\$5	4,330	\$5	5,040	\$6
Copper 3/	do.	1,800,000	3,640,000	1,810,000	4,430,000	1,850,000	5,640,000
Gold 3/	kilograms	331,000	3,840,000	327,000 r/ 4	4,050,000 r/ 4	320,000 4/	3,990,000 4
Iron ore	thousand metric tons	56,300	1,640,000	57,600	1,580,000	61,100	1,710,000
Iron oxide pigments (crude)	metric tons	35,800	5,020	46,400	6,010	51,700	6,720
Lead 3/	do.	355,000	249,000	363,000	298,000	386,000	359,000
Magnesium metal	do.	132,000	377,000	128,000	389,000	142,000	476,000
Molybdenum 5/	do.	39,200	165,000	46,000	284,000	W	W
Nickel ore 6/	do.	2,460	W	--	--	1,560	W
Palladium	kilograms	6,500	25,300	6,440	29,400	5,260	22,000
Platinum	do.	1,800	21,400	1,960	25,300	1,590	20,800
Rare-earth metal concentrates	metric tons	W	W	W	W	22,200	W
Silver 3/	do.	1,650	227,000	1,490 r/	253,000 r/	1,640	271,000
Zinc 3/	do.	488,000	497,000	570,000	619,000	614,000	756,000
Combined value of antimony, bauxite, manganiferous ore, mercury, tin (1993), titanium concentrates, tungsten, vanadium, zircon concentrates, and values indicated by symbol W		XX	132,000	XX	147,000	XX	812,000
Total metals		XX	10,800,000	XX	12,100,000	XX	14,100,000
<b>Industrial minerals (excluding fuels):</b>							
Asbestos	metric tons	13,700 r/	5,960	10,100	5,120	W	W
Barite	thousand metric tons	315	19,300 r/	583	19,100	543	17,300
Boron minerals	metric tons	1,050,000	373,000	1,110,000	443,000	796,000	372,000
Bromine e/	do.	177,000	123,000	195,000	155,000	218,000	186,000
<b>Cement:</b>							
Masonry	do.	2,960,000	229,000	3,610,000	286,000	3,600,000	307,000
Portland	do.	71,600,000	3,920,000	74,300,000	4,460,000	73,300,000	4,920,000
Clays	do.	40,700,000	1,480,000 r/	42,200,000	1,600,000	43,100,000	1,730,000
Diatomite	do.	599,000	150,000	613,000	152,000 r/	687,000	171,000
Feldspar	do.	770,000	31,400	765,000	31,200	882,000	37,400
Garnet (industrial)	do.	44,000	4,440	51,000 r/	6,100 r/	53,000	10,000
Gemstones	do.	NA	57,700	NA	50,500	NA	74,400
Gypsum (crude)	thousand metric tons	15,800	107,000	17,200	115,000	16,600	121,000
<b>Helium:</b>							
Crude	million cubic meters	29	25,800	39	38,500	36	32,100
Grade-A	do.	96	189,000	100	199,000	99	196,000
Iodine	metric tons	1,940	15,400	1,630	12,800	1,220	12,500
Lime	thousand metric tons	16,800	965,000	17,400	1,020,000	18,500	1,100,000
Mica (scrap)	do.	88	4,450	110	5,780 r/	108	5,630
Peat	do.	612	16,800	552	15,300	660 7/	17,000 7
Perlite	metric tons	569,000	17,400	644,000	19,400	700,000	21,600
Phosphate rock	thousand metric tons	35,500	759,000	41,100	869,000	43,500	947,000
Potash (K2O)	do.	1,480 r/	286,000	2,970	284,000 r/	2,880	284,000
Pumice and pumicite	metric tons	469,000	12,000	490,000	11,800	529,000	13,200
Salt	thousand metric tons	38,700	893,000	39,700 r/	990,000 r/	40,800	1,000,000
<b>Sand and gravel:</b>							
Construction	do.	869,000	3,530,000	891,000	3,740,000	910,000	3,910,000
Industrial	thousand metric tons	26,200	454,000	27,300	488,000	28,200	502,000
Silica stone 8/	metric tons	528	330	514	3,990	374	2,970
<b>Sodium compounds:</b>							
Soda ash	do.	8,960,000	734,000	9,320,000	724,000	10,100,000	829,000
Sodium sulfate (natural)	do.	327,000	24,600	298,000	24,200 r/	327,000	27,700
<b>Stone:9/</b>							
Crushed	thousand metric tons	1,130,000	6,030,000	1,230,000	6,620,000	1,260,000	6,750,000
Dimension	metric tons	1,230,000	216,000	W	W	W	W
Sulfur (Frasch)	thousand metric tons	1,900	101,000	3,010	162,000	3,070	207,000
Tripoli 10/	metric tons	78,300	15,500	82,300	10,900	80,100	10,500
Vermiculite	do.	187,000	14,900	177,000	14,200	171,000	W
Zeolites	do.	41,000	NA	52,600 r/	NA	46,800	NA
Combined value of brucite, emery, fluorspar, greensand marl, kyanite, lithium minerals, magnesite, magnesium compounds, olivine, pyrites 11/ (1993), sand and gravel (construction, 1993), staurolite, talc and pyrophyllite, wollastonite, and values indicated by symbol W		XX	388,000 r/	XX	531,000 r/	XX	622,000
Total industrial minerals		XX	21,200,000	XX	23,100,000 r/	XX	24,400,000
Grand total		XX	32,000,000	XX	35,200,000	XX	38,500,000

See footnotes at end of table.

TABLE 1--Continued  
NONFUEL MINERAL PRODUCTION 1/ IN THE UNITED STATES 2/

- e/ Estimated. r/ Revised. NA Not available. W Withheld to avoid disclosing company proprietary data; value included with "Combined value." XX Not applicable.  
1/ Production as measured by mine shipments, sales, or marketable production (including consumption by producers).  
2/ Data are rounded to three significant digits; may not add to totals shown.  
3/ Recoverable content of ores, etc.  
4/ Placer canvassing discontinued beginning in 1994. May include some placer data from other sources.  
5/ Content of ore and concentrate.  
6/ Quantity fed to smelter after rejection of lower grade material. The smelter uses lateritic ore imported from New Caledonia in addition to lateritic ore mined on Nickel Mountain. The entire complex was idle all of 1994.  
7/ Data series changed to production beginning in 1995; prior years shipment data may not be comparable.  
8/ Includes grindstones, pulpstones, and sharpening stones; excludes mill liners and grinding pebbles.  
9/ Excludes abrasive stone and bituminous limestone and sandstone; all included elsewhere in table.  
10/ Data series revised from "production" to "sold or used".  
11/ Pyrite canvassing discontinued beginning in 1994.

TABLE 2  
NONFUEL MINERALS PRODUCED IN THE UNITED STATES, BY COMMODITY AND STATES IN 1995

(Based on quantity unless otherwise noted)

Mineral	Principal States	Other States
Antimony 1/	ID	
Asbestos	CA	
Barite	NV, GA, MO, TN, IL	
Bauxite	AL and GA	
Beryllium concentrate	UT	
Boron (B2O3)	CA	
Bromine e/	AR and MI	
Brucite	NV	
Cement:		
Masonry	MD, IN, FL, AL, PA, SC	All other States except AK, CT, DE, IL, LA, MA, MN, MS, NV, NH, NJ, NM, NC, ND, OR, RI, VT, WI, WY.
Portland	CA, TX, PA, MI, MO, AL	All other States except AK, CT, DE, LA, MA, MN, NH, NJ, NC, ND, RI, VT, WI.
Clays	GA, WY, AL, TX, NC, OH	All other States except AK, DE, HI, RI, VT, WI.
Copper 1/	AZ, UT, NM, MT, WI, MI	ID, IL, MO, NV, TN.
Diatomite	CA, NV, OR, WA, CA	
Emery	OR	
Feldspar	NC, VA, CA, OK, GA, ID	SD.
Fluorspar	IL	
Garnet (abrasive)	NY and ID	
Gemstones (natural) 2/	TN, AL, AR, OR, NC, AZ	All other States.
Gold 1/ 3/	NV, CA, UT, SD, MT, ID	AK, AZ, CO, NM, SC, WA, WI.
Greensand marl	NJ	
Gypsum (crude)	OK, IA, TX, NV, MI, CA	AR, AZ, CO, IN, KS, LA, NM, NY, OH, UT, VA, WY.
Helium (crude and Grade-A)	KS, WY, TX, UT, CO	
Iodine	OK	
Iron ore (usable) 4/	MN, MI, MO, UT, NM, SD	CA and MT.
Iron oxide pigments (crude)	MI, MO, GA, VA, AZ	
Kyanite	VA	
Lead 1/	MO, AK, ID, MT, CO, NY	IL and TN.
Lime	KY, OH, AL, MO, PA, TX	All other States except AK, CT, DE, FL, GA, HI, KS, ME, MD, MS, NH, NJ, NM, NY, NC, RI, SC, VT.
Lithium minerals	NC and NV	
Magnesite	NV	
Magnesium compounds	MI, FL, CA, UT, DE, TX	
Magnesium metal	TX, WA, UT	
Manganiferous ore	SC	
Mercury	NV, CA, UT	
Mica (scrap)	NC, NM, GA, SC, SD	
Molybdenum	CO, AZ, UT, ID, MT, NM	
Nickel ore	OR	
Olivine	NC and WA	
Palladium metal	MT	
Peat	FL, MI, IL, CO, MN, NC	IN, IA, ME, MA, MT, NJ, NY, ND, OH, PA, SC, WA, WV, WI.
Perlite	NM, AZ, CA, NV	
Phosphate rock	FL, NC, ID, UT	
Platinum metal	MT	
Potash	NM, UT, CA, MI	
Pumice	OR, NM, CA, ID, AZ, KS	
Rare-earth metal concentrates	CA	

See footnotes at end of table.

TABLE 2 -- Continued  
 NONFUEL MINERALS PRODUCED IN THE UNITED STATES, BY COMMODITY AND STATES IN 1995

(Based on quantity unless otherwise noted)

Mineral	Principal States	Other States
Salt	LA, TX, NY, OH, KS, UT	AL, AZ, CA, MI, NV, NM, OK, WV.
Sand and gravel:		
Construction	CA, TX, MI, OH, AZ, WA	All other States.
Industrial	IL, MI, NJ, CA, WI, TX	All other States except AK, CT, DE, HI, KY, MA, ME, NH, NM, OR, SD, UT, VT, WY.
Silica stone 5/	AR and WI.	
Silver 1/	NV, AZ, ID, UT, AK, MT	CA, CO, IL, MI, MO, NM, NY, SC, SD, TN, WI.
Sodium compounds:		
Soda ash	WY and CA	
Sodium sulfate (natural)	CA and TX	
Staurolite	FL	
Stone:		
Crushed	TX, PA, FL, MO, IL, OH	All other States except DE and ND.
Dimension	IN, GA, WI, VT, MA, PA	All other States except AK, DE, FL, HI, IL, KY, LA, MS, NE, NV, NJ, ND, OR, RI, WY.
Sulfur (Frasch)	LA, TX	
Talc and pyrophyllite	MT, TX, VT, NY, NC, CA	OR.
Titanium concentrates	FL	
Tripoli	IL, OK, AR, PA	
Tungsten 1/	CA	
Vanadium 1/	ID	
Vermiculite (crude)	SC and VA	
Wollastonite	NY	
Zinc 1/	AK, TN, NY, MO, MT, CO	IL and ID.
Zircon concentrates	FL	

e/ Estimated.

1/ Content of ores, etc.

2/ Principal producing States based on value.

3/ Placer canvassing discontinued beginning in 1994. May include some placer data from other sources.

4/ Includes byproduct material.

5/ Includes grindstones, pulpstones, and sharpening stones; excludes mill liners and grinding pebbles.

TABLE 3  
 VALUE OF NONFUEL MINERAL PRODUCTION IN THE UNITED STATES AND PRINCIPAL NONFUEL MINERALS PRODUCED IN 1995 1/

State	Value (thousands)	Rank	Percent of U.S. total	Principal minerals, in order of value
Alabama	\$706,000	18	1.84	Cement (portland), stone (crushed and broken), lime, sand and gravel (construction), clays, cement (masonry).
Alaska 2/	538,000	24	1.40	Zinc, lead, gold, sand and gravel (construction), stone (crushed), silver.
Arizona	4,190,000	1	10.90	Copper, sand and gravel (construction), molybdenum, cement (portland), lime, silver.
Arkansas	492,000	28	1.28	Bromine, stone (crushed and broken), cement (portland), sand and gravel (construction), sand and gravel (industrial), clays.
California	2,580,000	3	6.69	Cement (portland), sand and gravel (construction), boron, gold, stone (crushed and broken), diatomite.
Colorado	570,000	23	1.48	Molybdenum, sand and gravel (construction), cement (portland), stone (crushed and broken), gold, zinc.
Connecticut	92,500	44	0.24	Stone (crushed and broken), sand and gravel (construction), stone (dimension), clays, gemstones.
Delaware 2/	8,750	50	0.02	Sand and gravel (construction), magnesium compounds, gemstones.
Florida	1,540,000	7	3.99	Phosphate rock, stone (crushed and broken), cement (portland), sand and gravel (construction), clays, titanium concentrates.
Georgia	1,700,000	5	4.42	Clays, stone (crushed and broken), cement (portland), stone (dimension), sand and gravel (construction), cement (masonry).
Hawaii 2/	114,000	43	0.30	Stone (crushed and broken), cement (portland), sand and gravel (construction), cement (masonry), gemstones.
Idaho	510,000	26	1.32	Molybdenum, gold, phosphate rock, sand and gravel (construction), silver, cement (portland).
Illinois	828,000	16	2.15	Stone (crushed and broken), cement (portland), sand and gravel (construction), sand and gravel (industrial), lime, clays.
Indiana	589,000	20	1.53	Stone (crushed and broken), cement (portland), sand and gravel (construction), lime, cement (masonry), stone (dimension).
Iowa	456,000	29	1.19	Stone (crushed and broken), cement (portland), sand and gravel (construction), gypsum (crude), lime, cement (masonry).
Kansas	498,000	27	1.29	Salt, cement (portland), helium (Grade-A), stone (crushed and broken), sand and gravel (construction), helium (crude).
Kentucky	426,000	32	1.11	Stone (crushed and broken), lime, cement (portland), sand and gravel (construction), clays, cement (masonry).
Louisiana	434,000	31	1.13	Salt, sulfur (Frasch), sand and gravel (construction), stone (crushed and broken), sand and gravel (industrial), lime.
Maine	67,600	45	0.18	Sand and gravel (construction), cement (portland), stone (crushed and broken), peat, cement (masonry), stone (dimension).
Maryland 2/	324,000	36	0.84	Stone (crushed and broken), cement (portland), sand and gravel (construction), cement (masonry), stone (dimension), clays.
Massachusetts	190,000	39	0.49	Stone (crushed and broken), sand and gravel (construction), stone (dimension), lime, clays, peat.
Michigan	1,510,000	9	3.92	Iron ore (usable), cement (portland), sand and gravel (construction), magnesium compounds, stone (crushed and broken), salt, copper.
Minnesota	1,510,000	8	3.93	Iron ore (usable), sand and gravel (construction), stone (crushed and broken), sand and gravel (industrial), lime, stone (dimension), peat.
Mississippi	131,000	42	0.34	Sand and gravel (construction), clays, cement (portland), stone (crushed and broken), sand and gravel (industrial), gemstones.
Missouri	1,140,000	10	2.95	Stone (crushed and broken), lead, cement (portland), lime, zinc, sand and gravel (construction).
Montana	575,000	22	1.49	Gold, copper, cement (portland), molybdenum, sand and gravel (construction), zinc.
Nebraska	146,000	41	0.38	Cement (portland), sand and gravel (construction), stone (crushed and broken), clays, cement (masonry), lime.
Nevada	3,110,000	2	8.08	Gold, silver, sand and gravel (construction), diatomite, lime, cement (portland).
New Hampshire 2/	49,800	47	0.13	Sand and gravel (construction), stone (crushed and broken), stone (dimension), clays, gemstones.
New Jersey 2/	243,000	37	0.63	Stone (crushed and broken), sand and gravel (construction), sand and gravel (industrial), peat, greensand marl, clays.
New Mexico	1,130,000	11	2.94	Copper, potash, sand and gravel (construction), cement (portland), stone (crushed and broken), perlite.
New York	886,000	15	2.30	Cement (portland), stone (crushed and broken), salt, sand and gravel (construction), zinc, wollastonite.
North Carolina	735,000	17	1.91	Stone (crushed and broken), phosphate rock, lithium minerals, sand and gravel (construction), sand and gravel (industrial), feldspar.
North Dakota	31,200	48	0.08	Sand and gravel (construction), lime, clays, sand and gravel (industrial), gemstones, peat.
Ohio	891,000	14	2.32	Stone (crushed and broken), sand and gravel (construction), salt, lime, cement (portland), sand and gravel (industrial).
Oklahoma	357,000	34	0.93	Stone (crushed and broken), cement (portland), sand and gravel (industrial), sand and gravel (construction), gypsum (crude), iodine (crude).
Oregon	239,000	38	0.62	Stone (crushed and broken), sand and gravel (construction), cement (portland), lime, diatomite, gemstones.
Pennsylvania 2/	1,080,000	12	2.82	Stone (crushed and broken), cement (portland), lime, sand and gravel (construction), cement (masonry), stone (dimension).
Rhode Island 2/	30,700	49	0.08	Sand and gravel (construction), stone (crushed and broken), sand and gravel (industrial), gemstones.
South Carolina	447,000	30	1.16	Cement (portland), stone (crushed and broken), gold, sand and gravel (construction), cement (masonry), sand and gravel (industrial).
South Dakota	332,000	35	0.86	Gold, cement (portland), sand and gravel (construction), stone (crushed and broken), stone (dimension), lime.
Tennessee	683,000	19	1.78	Stone (crushed and broken), zinc, cement (portland), sand and gravel (construction), gemstones, clays.
Texas	1,680,000	6	4.35	Cement (portland), stone (crushed and broken), sand and gravel (construction), magnesium metal, lime, salt.

See footnotes at end of table.

TABLE 3--Continued

## VALUE OF NONFUEL MINERAL PRODUCTION IN THE UNITED STATES AND PRINCIPAL NONFUEL MINERALS PRODUCED IN 1995 1/

State	Value (thousands)	Rank	Percent of U.S. total	Principal minerals, in order of value
Utah	\$1,850,000	4	4.82	Copper, gold, molybdenum, magnesium metal, sand and gravel (construction), cement (portland).
Vermont 2/	60,400	46	0.16	Stone (dimension), stone (crushed and broken), sand and gravel (construction), talc and pyrophyllite, gemstones.
Virginia	515,000	25	1.34	Stone (crushed and broken), cement (portland), sand and gravel (construction), lime, kyanite, cement (masonry).
Washington	582,000	21	1.51	Sand and gravel (construction), magnesium metal, cement (portland), stone (crushed and broken), gold, lime.
West Virginia	181,000	40	0.47	Stone (crushed and broken), cement (portland), sand and gravel (industrial), salt, stone (crushed and broken), lime.
Wisconsin	416,000	33	1.08	Stone (crushed and broken), sand and gravel (construction), copper, lime, sand and gravel (industrial), gold.
Wyoming	973,000	13	2.53	Soda ash, clays, helium (Grade-A), cement (portland), stone (crushed and broken), sand and gravel (construction).
Undistributed	121,000	XX	0.31	
Total	38,500,000	XX	100.00	

XX Not applicable.

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Partial total, excludes values that must be withheld to avoid disclosing company proprietary data. Withheld values included with "Undistributed."

TABLE 4  
VALUE OF NONFUEL MINERAL PRODUCTION PER CAPITA AND PER SQUARE KILOMETER IN 1995, BY STATE 1/

State	Area (square kilometers)	Population (thousands)	Total value (thousands)	Per capita		Per square kilometer	
				Dollars	Rank	Dollars	Rank
Alabama	134,000	4,220	\$706,000	167	15	5,280	24
Alaska	1,530,000	606	538,000 2/	888	5	352	49
Arizona	295,000	4,080	4,190,000	1,030	3	14,200	1
Arkansas	138,000	2,450	492,000	201	13	3,570	29
California	411,000	31,400	2,580,000	82	34	6,270	19
Colorado	270,000	3,660	570,000	156	18	2,120	39
Connecticut	13,000	3,280	92,500	28	49	7,120	13
Delaware	5,290	706	8,750 2/	12	50	1,650	43
Florida	152,000	14,000	1,540,000	110	22	10,100	6
Georgia	153,000	7,060	1,700,000	241	11	11,100	4
Hawaii	16,800	1,180	114,000 2/	96	30	6,780	16
Idaho	216,000	1,130	510,000	450	9	2,360	37
Illinois	146,000	11,800	828,000	71	39	5,670	21
Indiana	93,700	5,750	589,000	102	27	6,290	18
Iowa	146,000	2,830	456,000	161	16	3,130	32
Kansas	213,000	2,550	498,000	195	14	2,340	38
Kentucky	105,000	3,830	426,000	111	21	4,070	26
Louisiana	124,000	4,320	434,000	101	28	3,510	30
Maine	86,200	1,240	67,600	55	41	785	47
Maryland	27,100	5,010	324,000 2/	65	40	12,000	3
Massachusetts	21,500	6,040	190,000	32	46	8,860	10
Michigan	152,000	9,500	1,510,000	159	17	9,940	7
Minnesota	219,000	4,570	1,510,000	331	10	6,920	15
Mississippi	124,000	2,670	131,000	49	42	1,060	45
Missouri	181,000	5,280	1,140,000	215	12	6,290	17
Montana	381,000	856	575,000	672	7	1,510	44
Nebraska	200,000	1,620	146,000	90	32	730	48
Nevada	286,000	1,460	3,110,000	2,130	1	10,900	5
New Hampshire	24,000	1,140	49,800 2/	44	45	2,070	40
New Jersey	20,200	7,900	243,000 2/	31	47	12,100	2
New Mexico	315,000	1,650	1,130,000	683	6	3,590	28
New York	127,000	18,200	886,000	49	44	6,970	14
North Carolina	136,000	7,070	735,000	104	26	5,390	23
North Dakota	183,000	638	31,200	49	43	170	50
Ohio	107,000	11,100	891,000	80	36	8,330	12
Oklahoma	181,000	3,260	357,000	109	23	1,970	41
Oregon	251,000	3,090	239,000	78	38	951	46
Pennsylvania	117,000	12,100	1,080,000 2/	90	33	9,240	9
Rhode Island	3,140	997	30,700 2/	31	48	9,780	8
South Carolina	80,600	3,660	447,000	122	20	5,550	22
South Dakota	200,000	721	332,000	460	8	1,660	42
Tennessee	109,000	5,180	683,000	132	19	6,260	20
Texas	691,000	18,400	1,680,000	91	31	2,430	36
Utah	220,000	1,910	1,850,000	972	4	8,430	11
Vermont	24,900	580	60,400 2/	104	25	2,430	35
Virginia	106,000	6,550	515,000	79	37	4,880	25
Washington	176,000	5,340	582,000	109	24	3,300	31
West Virginia	62,800	1,820	181,000	99	29	2,880	33
Wisconsin	145,000	5,080	416,000	82	35	2,860	34
Wyoming	253,000	476	973,000	2,040	2	3,840	27
Undistributed	XX	XX	121,000	XX	XX	XX	XX
Total or average	9,370,000 3/	260,000 3/	38,500,000	148	XX	4,110	XX

r/ Revised. XX Not applicable.

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Partial total, excludes values that must be withheld to avoid disclosing company proprietary data. Withheld values included with "Undistributed."

3/ Excludes Washington, DC (which has no mineral production), with an area of 69 square miles and a population of 570,000.

Sources: U.S. Geological Survey and Bureau of the Census.

TABLE 5  
NONFUEL RAW MINERAL PRODUCTION 1/ IN THE UNITED STATES, BY STATE 2/

Mineral	1993		1994		1995		
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	
<b>Alabama:</b>							
<b>Cement:</b>							
Masonry	metric tons	277,000	\$21,900	312,000	\$28,900	306,000	\$30,700
Portland	do.	3,750,000	191,000	3,980,000	248,000	4,090,000	285,000
Clays	do.	2,490,000 3/	23,200 3/	2,280,000 3/	25,400 3/	2,690,000	33,700
Gemstones		NA	W	NA	W	NA	16,000
Lime	thousand metric tons	1,630	89,500	1,660	88,300	1,730	105,000
<b>Sand and gravel:</b>							
Construction	do.	10,300 e/	39,100 e/	12,500	47,600	11,900	49,400
Industrial	do.	559	6,800	610	7,160	479	5,940
Stone (crushed)	do.	28,900	176,000	32,500	164,000	33,600	174,000
Combined value of bauxite, clays [bentonite (1993-94)], salt, stone [dimension (1993), dimension limestone, marble, and sandstone (1994), dimension limestone and sandstone (1995)], and values indicated by symbol W							
Total		XX	14,900	XX	16,500	XX	6,810
<b>Alaska:</b>							
Gemstones		NA	10	NA	10	NA	10
Gold 4/	kilograms	2,780	32,200	5,660 r/ 5/	70,300 r/ 5/	4,410 5/	56,000 5/
Sand and gravel (construction)	thousand metric tons	13,100 e/	42,600 e/	15,700	56,200	13,700	48,500
Silver 4/	metric tons	W	W	W	W	109	18,100
Stone (crushed)	thousand metric tons	3,530 r/	25,000 r/ 6/	3,870	24,100	3,320 6/	20,400 6/
Zinc 4/	metric tons	W	W	W	W	321,000	395,000
Combined values of lead, stone [crushed dolomite (1995), crushed sandstone (1993)], tin (1993), and values indicated by symbol W							
Total		XX	292,000 r/	XX	367,000	XX	(7/)
<b>Arizona:</b>							
Clays	metric tons	97,000 3/	451 3/	98,000 3/	452 3/	119,000	449 3/
Copper 4/	do.	1,160,000	2,340,000	1,120,000	2,750,000	1,170,000	3,560,000
Gemstones		NA	5,630	NA	3,550	NA	3,230
Gold 4/	kilograms	2,710	31,500	2,050 r/ 6/	25,300 r/ 6/	1,920 6/	23,900 6/
Iron oxide pigments (crude)	metric tons	77	62	77	62	68	90
<b>Sand and gravel:</b>							
Construction	thousand metric tons	35,000 e/	138,000 e/	34,800	166,000	40,100	201,000
Industrial	do.	W	W	W	W	334	2,910
Silver 4/	metric tons	200	27,700	198 r/	33,700 r/	220	36,400
Stone (crushed)	thousand metric tons	6,240 r/	35,600 r/	4,970	25,000	5,520	32,600
Combined value of cement, clays (bentonite), gypsum (crude), lime, molybdenum, perlite (crude), pumice and pumicite, pyrites 10/ (1993), salt, stone [dimension (1993), dimension sandstone (1994-95)], and values indicated by symbol W							
Total		XX	196,000	XX	274,000	XX	331,000
<b>Arkansas:</b>							
Bromine e/	metric tons	177,000	123,000	W	W	W	W
Clays 3/	do.	1,030,000	2,360	883,000	2,440	1,160,000	7,810
Gemstones		NA	5,530	NA	3,950	NA	4,890
<b>Sand and gravel:</b>							
Construction	thousand metric tons	10,100 e/	40,900 e/	10,600	42,500	11,600	48,300
Industrial	do.	642	7,600	684	8,230	W	W
Silica stone 11/	metric tons	W	W	510 r/	3,940 r/	W	W
<b>Stone:</b>							
Crushed	thousand metric tons	22,200 r/ 6/	108,000 r/ 6/	20,800 6/	122,000 6/	25,500	169,000
Dimension	metric tons	W	W	W	W	22,000	2,010

See footnotes at end of table.



TABLE 5--Continued  
NONFUEL RAW MINERAL PRODUCTION 1/ IN THE UNITED STATES, BY STATE 2/

Mineral	1993		1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
<b>Arkansas--Continued:</b>						
Combined value of cement, clays [fire, kaolin (1993-94)], gypsum (crude), lime, stone [crushed dolomite and traprock (1993), crushed limestone and traprock (1994), dimension(1993), dimension limestone, marble, and sandstone(1994)], talc and pyrophyllite (1993), tripoli, and values indicated by symbol W	XX	\$66,000	XX	\$254,000 r/	XX	\$260,000
Total	XX	353,000 r/	XX	437,000 r/	XX	492,000
<b>California:</b>						
Asbestos metric tons	10,000	4,430	8,990	4,200	W	W
Boron minerals (B203) do.	574,000	373,000	550,000	443,000	796,000	372,000
<b>Cement:</b>						
Masonry do.	W	W	99,000	6,830	154,000	11,200
Portland do.	8,510,000	468,000	9,640,000	539,000	9,360,000	565,000
Clays 3/ do.	1,930,000	26,300	1,570,000	20,600	1,810,000	28,800
Diatomite do.	W	W	W	W	318,000	W
Gemstones	NA	673	NA	1,710	NA	490
Gold 4/ kilograms	35,800	415,000	30,100 9/	373,000 9/	26,200 9/	326,000 9/
Lime thousand metric tons	193	14,800	203	16,900	228	15,600
Rare-earth metal concentrates metric tons	17,800	W	20,700	W	22,200	W
<b>Sand and gravel:</b>						
Construction thousand metric tons	96,300 e/	476,000 e/	96,300	523,000	98,400	542,000
Industrial do.	1,800	41,700	1,740	39,400	1,710	38,300
Silver 4/ metric tons	14	2,000	11	1,910	13	2,100
<b>Stone:</b>						
Crushed thousand metric tons	38,700 r/	250,000	41,100	258,000	43,700	268,000
Dimension metric tons	29,100	6,300	11,100 6/	4,030 6/	27,300	6,660
Combined value of clays [fuller's earth, kaolin (1994-95)], feldspar, gypsum (crude), iron ore (usable), magnesium compounds, mercury, perlite, (crude), potash, pumice and pumicite, salt, soda ash, sodium sulfate (natural), stone [crushed dolomite and shell (1995), dimension limestone, sandstone, slate and miscellaneous (1994)], talc and pyrophyllite, titanium [ilmenite (1993-94)], tungsten, and values indicated by symbol W	XX	362,000	XX	364,000 r/	XX	399,000
Total	XX	2,440,000	XX	2,590,000 r/	XX	2,580,000
<b>Colorado:</b>						
Clays metric tons	281,000	2,160	291,000	2,320	294,000	2,050 3/
Gemstones	NA	258	NA	267	NA	245
Gold 4/ kilograms	W	W	4,420 9/	54,700 9/	W	W
Sand and gravel (construction) thousand metric tons	29,000 e/	118,000 e/	29,000	109,000	34,100	141,000
<b>Stone:</b>						
Crushed do.	10,300	62,000	8,260 r/	52,300 r/	9,000	58,500
Dimension metric tons	4,320	1,370	3,630 6/	51 6/	17,800	2,640
Combined value of cement, copper (1993), gypsum (crude), helium (Grade-A), lead, lime, molybdenum, peat, perlite (1993), sand and gravel (industrial), silver, stone [dimension marble, (1994)], zinc, and values indicated by symbol W	XX	216,000	XX	192,000 r/	XX	366,000
Total	XX	399,000	XX	410,000	XX	570,000
<b>Connecticut:</b>						
Gemstones	NA	5	NA	5	NA	5
Sand and gravel (construction) thousand metric tons	6,400 e/	34,900 e/	5,420	28,000	6,410	37,500
Stone (crushed) do.	4,600 6/	39,500 6/	5,710	43,900 r/	6,070 6/	45,500 6/
Combined value of other industrial minerals	XX	16,200	XX	9,810 r/	XX	9,470
Total	XX	90,700	XX	81,800 r/	XX	92,500

See footnotes at end of table.

TABLE 5--Continued  
NONFUEL RAW MINERAL PRODUCTION 1/ IN THE UNITED STATES, BY STATE 2/

Mineral	1993		1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
<b>Delaware:</b>						
Gemstones	NA	\$1	NA	\$1	NA	\$1
Sand and gravel (construction) thousand metric tons	2,500 e/	10,300 e/	2,580	8,680	2,680	8,740
Total 8/	XX	10,300	XX	8,680	XX	8,750
<b>Florida:</b>						
<b>Cement:</b>						
Masonry metric tons	351,000	27,300	400,000	34,600	383,000	35,200
Portland do.	4,190,000	211,000	3,370,000	228,000	3,170,000	233,000
Clays 3/ do.	407,000	52,700	430,000	55,000	421,000	54,300
Peat thousand metric tons	219	3,780	206	3,230	294 12/	5,390 12/
<b>Sand and gravel:</b>						
Construction do.	22,800 e/	73,100 e/	16,600	60,700	19,300	69,300
Industrial do.	504	5,910	540	6,120	547	6,340
Stone (crushed) do.	64,900	313,000 6/	66,300 r/	343,000	68,000	350,000
Combined value of clays (common), gemstones, magnesium compounds, phosphate rock, rare-earth metal concentrates (1993-94), staurolite, stone [crushed dolomite and limestone (1993)], titanium concentrates, and zircon concentrates	XX	624,000	XX	669,000 r/	XX	783,000
Total	XX	1,310,000	XX	1,400,000 r/	XX	1,540,000
<b>Georgia:</b>						
Clays metric tons	9,660,000 3/	994,000 3/	9,960,000 3/	1,060,000 3/	10,600,000	1,160,000
Gemstones	NA	51	NA	51	NA	51
<b>Sand and gravel:</b>						
Construction thousand metric tons	4,600 e/	16,600 e/	5,520	19,800	5,780	23,100
Industrial do.	491	7,940	440	7,040	574	7,060
<b>Stone:</b>						
Crushed do.	49,400	292,000	54,600	331,000	60,600	373,000
Dimension metric tons	176,000 6/	18,700 6/	200,000 6/	19,100 6/	132,000	27,700
Combined value of barite, bauxite, cement, clays [fire (1993-94)], feldspar, iron oxide pigments (crude), mica (scrap), and stone [dimension marble, (1993), dimension marble and miscellaneous (1994)]	XX	101,000	XX	115,000 r/	XX	109,000
Total	XX	1,430,000	XX	1,550,000	XX	1,700,000
<b>Hawaii:</b>						
<b>Cement:</b>						
Masonry metric tons	7,140	880	6,000	395	5,030	501
Portland do.	451,000	48,300	404,000	28,300	357,000	35,500
Sand and gravel (construction) thousand metric tons	W	W	521	4,740	405	4,030
Stone (crushed) do.	8,460 6/	81,400 6/	8,170	82,300	7,450 6/	73,500 6/
Combined value of other industrial minerals	XX	8,140	XX	(7/)	XX	(7/)
Total	XX	139,000	XX	116,000 8/	XX	114,000 8/
<b>Idaho:</b>						
Clays metric tons	W	W	--	--	907	10
Gemstones	NA	566	NA	287	NA	346
Gold 4/ kilograms	W	W	W	W	8,850 9/	110,000 9/
Phosphate rock thousand metric tons	4,360	78,400	W	W	W	W
Pumice metric tons	43,400	327	W	W	W	W
<b>Sand and gravel:</b>						
Construction thousand metric tons	13,600 e/	44,900 e/	14,500	46,300	13,200	43,500
Industrial do.	W	W	W	W	501	8,720
Silver 4/ metric tons	190	26,200	W	W	182	30,200
Stone (crushed) thousand metric tons	4,600	20,800	4,160	20,300	3,210 6/	14,000 6/
Combined value of antimony, cement, copper, feldspar, garnet (industrial), lead, lime, molybdenum (1994-95), stone [crushed miscellaneous (1995), dimension (1993), dimension marble and miscellaneous (1994), dimension quartzite (1995)], vanadium, zinc, and values indicated by symbol W	XX	103,000	XX	273,000 r/	XX	303,000
Total	XX	274,000	XX	340,000 r/	XX	510,000

See footnotes at end of table.

TABLE 5--Continued  
NONFUEL RAW MINERAL PRODUCTION 1/ IN THE UNITED STATES, BY STATE 2/

Mineral	1993		1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
<b>Illinois:</b>						
Cement (portland) metric tons	2,430,000	\$123,000	2,590,000	\$151,000	2,560,000	\$169,000
Clays do.	477,000 3/	1,090 3/	494,000 3/	1,170 3/	504,000	1,220 3/
Gemstones	NA	328	NA	376	NA	269
Sand and gravel:						
Construction thousand metric tons	34,500 e/	137,000 e/	37,900	150,000	36,100	147,000
Industrial do.	4,220	61,700	4,420	65,700	4,410	67,500
Stone (crushed) do.	61,500 6/	315,000 6/	62,600 6/	353,000 6/	61,400	335,000
Combined value of barite, cement [masonry (1994-95)], clays (fuller's earth), copper, fluorspar, lead, lime, peat, silver, stone [crushed sandstone (1993), crushed miscellaneous (1994), dimension (1993), dimension dolomite (1994)], tripoli, and zinc	XX	105,000 r/	XX	102,000	XX	107,000
Total	XX	743,000 r/	XX	823,000	XX	828,000
<b>Indiana:</b>						
Cement (portland) metric tons	2,060,000	109,000	2,290,000	132,000	2,330,000	143,000
Clays do.	600,000 3/	2,540 3/	774,000 3/	2,540 3/	915,000	3,350 3/
Gemstones	NA	47	NA	29	NA	36
Peat thousand metric tons	24	W	23	W	17 12/	281 12/
Sand and gravel (construction) do.	27,000 e/	103,000 e/	28,100	108,000	24,900	93,900
Stone:						
Crushed do.	36,900	166,000	45,900	211,000	49,200	234,000 6/
Dimension metric tons	156,000 6/	22,900 6/	173,000	25,800	172,000	31,400
Combined value of cement (masonry), clays [ball (1993-94)], gypsum (crude), lime, sand and gravel (industrial), stone [dimension sandstone (1993)], and values indicated by symbol W	XX	70,400 r/	XX	75,400	XX	82,700
Total	XX	473,000 r/	XX	555,000	XX	589,000
<b>Iowa:</b>						
Cement (portland) metric tons	2,300,000	136,000	2,390,000	153,000	2,340,000	161,000
Clays do.	358,000	1,670	384,000	1,520	322,000	1,590
Gemstones	NA	46	NA	50	NA	57
Gypsum (crude) thousand metric tons	1,990	12,300	2,210	12,700	2,240	13,800
Peat do.	W	W	5	W	5 12/	77 12/
Sand and gravel (construction) do.	16,600 e/	64,700 e/	15,300	58,200	14,300	57,000
Stone (crushed) do.	30,500	169,000	36,600 6/	211,000 6/	35,300	210,000
Combined value of cement (masonry), lime, sand and gravel (industrial), stone [crushed dolomite and miscellaneous (1994), dimension (1993-94), dimension dolomite and sandstone (1995)], and values indicated by symbol W	XX	13,900	XX	14,800 r/	XX	12,500
Total	XX	398,000	XX	451,000	XX	456,000
<b>Kansas:</b>						
Cement:						
Masonry metric tons	35,400	2,410	24,000	2,090	30,800	2,650
Portland do.	1,380,000	73,900	1,640,000	101,000	1,730,000	109,000
Clays do.	513,000 3/	1,970 3/	556,000 3/	2,150 3/	620,000	2,390 3/
Helium:						
Crude million cubic meters	23	20,400	32	31,400	30	26,600
Grade-A do.	52	104,000	53	105,000	53	105,000
Salt thousand metric tons	2,320 13/	103,000 13/	2,660	108,000	2,770	113,000
Sand and gravel (construction) do.	11,900 e/	30,700 e/	11,200	29,600	11,100	29,400
Stone:						
Crushed do.	18,800 6/	90,700 6/	21,500	103,000	20,400	95,800
Dimension 6/ metric tons	24,700	2,540	23,700	1,730	19,800	1,810
Combined value of clays (fuller's earth), gemstones, gypsum (crude), pumice and pumicite, salt [brine (1993)], sand and gravel (industrial), and stone [crushed sandstone (1993), dimension sandstone]	XX	12,600	XX	11,900	XX	12,200
Total	XX	442,000	XX	497,000	XX	498,000

See footnotes at end of table.

TABLE 5--Continued  
NONFUEL RAW MINERAL PRODUCTION 1/ IN THE UNITED STATES, BY STATE 2/

Mineral	1993		1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
<b>Kentucky:</b>						
Clays metric tons	768,000 3/	\$3,060 3/	820,000 3/	\$3,460 3/	904,000	\$3,430 3/
Sand and gravel (construction) thousand metric tons	7,700 e/	29,900 e/	9,140	32,200	8,710	31,700
Stone (crushed) do.	49,000 6/	226,000 6/	56,300	259,000	54,700 6/	230,000 6/
Combined value of cement, clays (ball), gemstones, lime, and stone (crushed sandstone (1993), crushed (1995))	XX	128,000	XX	134,000	XX	161,000
Total	XX	388,000	XX	428,000	XX	426,000
<b>Louisiana:</b>						
Clays metric tons	375,000	3,320 r/	371,000	3,280	384,000	548
Gemstones	NA	141	NA	155	NA	175
Salt thousand metric tons	12,400	115,000	13,500	140,000	14,700	177,000
<b>Sand and gravel:</b>						
Construction do.	11,900 e/	51,500 e/	12,300	49,600	11,300	50,200
Industrial do.	465	9,360	454	9,320	572	10,500
Stone (crushed) do.	W	W	707 6/	7,710 6/	2,540 6/	26,700 6/
Sulfur (Frasch) do.	740	W	W	W	W	W
Combined value of gypsum (crude), lime, stone [crushed limestone, shell and miscellaneous (1993), crushed shell and miscellaneous (1994-95)], and values indicated by symbol W	XX	54,600	XX	144,000	XX	169,000
Total	XX	234,000 r/	XX	354,000	XX	434,000
<b>Maine:</b>						
Gemstones	NA	9,690	NA	235	NA	305
Peat thousand metric tons	W	W	W	W	15 12/	845 12/
Sand and gravel (construction) do.	4,400 e/	18,900 e/	5,890	24,400	6,420	26,900
Stone (crushed) do.	1,830	10,400	2,740	15,500	3,110	16,100
Combined value of cement, clays (common), and stone [dimension (1993-94), dimension granite (1995)], and values indicated by symbol W	XX	21,200	XX	20,900	XX	23,500
Total	XX	60,100	XX	61,000	XX	67,600
<b>Maryland:</b>						
Cement (portland) metric tons	1,630,000	81,600	1,710,000	90,700	1,670,000	101,000
Clays do.	294,000	705	293,000	946	278,000	943
Gemstones	NA	1	NA	1	NA	1
Sand and gravel (construction) thousand metric tons	11,200 e/	72,200 e/	8,920	61,200	9,700	61,700
<b>Stone:</b>						
Crushed do.	21,000 r/ 6/	139,000 r/ 6/	23,200 r/ 6/	157,000 r/ 6/	24,200	158,000
Dimension metric tons	19,300	2,020	18,800 6/	1,550 6/	20,700	2,260
Combined value of other industrial minerals	XX	11,200 r/	XX	29,000 r/	XX	(7/)
Total	XX	307,000 r/	XX	340,000	XX	324,000 8/
<b>Massachusetts:</b>						
Clays metric tons	W	W	W	W	31,400	W
<b>Sand and gravel:</b>						
Construction thousand metric tons	10,800 e/	51,300 e/	12,300	60,000	11,700	67,500
Industrial do.	2	42	W	W	--	--
<b>Stone:</b>						
Crushed do.	9,460 6/	76,300 6/	10,400 r/	96,800 r/	11,100	97,400
Dimension metric tons	153,000	21,300	57,300	9,600	77,600	14,600
Combined value of clays (common), gemstones, lime, peat, stone [crushed dolomite and miscellaneous (1993)], and values indicated by symbol W	XX	11,300	XX	11,100 r/	XX	10,700
Total	XX	160,000	XX	178,000	XX	190,000
<b>Michigan:</b>						
<b>Cement:</b>						
Masonry metric tons	216,000	17,400	235,000	17,700	229,000	16,700
Portland do.	5,120,000	313,000	5,160,000	331,000	5,400,000	361,000
Clays do.	1,230,000	4,850	1,150,000	3,370	623,000	3,430
Gemstones	NA	1	NA	2	NA	2
Gypsum (crude) thousand metric tons	1,690	14,200	1,790	15,300	1,510	14,900
Iron ore (usable) do.	12,900	W	13,800	W	13,500	W

See footnotes at end of table.

TABLE 5--Continued  
NONFUEL RAW MINERAL PRODUCTION 1/ IN THE UNITED STATES, BY STATE 2/

Mineral	1993		1994		1995		
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	
<b>Michigan--Continued:</b>							
Lime	thousand metric tons	617	\$30,100	637	\$33,000 r/	653	\$34,600
Peat	metric tons	186,000	6,110	156,000	5,090	173 12/	5,510 12/
Sand and gravel:							
Construction	thousand metric tons	45,000 e/	158,000 e/	48,800	160,000	53,500	178,000
Industrial	do.	2,570	25,100	2,870	31,300	2,940	30,600
Stone:							
Crushed	do.	31,000	112,000	35,000	113,000	37,500	127,000
Dimension	metric tons	W	W	147 6/	35 6/	W	W
Combined values of bromine (1994-95), copper, iron oxide pigments (crude), magnesium compounds, potash, salt, silver, stone [dimension (1993), dimension dolomite and sandstone (1995), dimension sandstone (1994)], and values indicated by symbol W							
		XX	823,000	XX	761,000 r/	XX	736,000
Total		XX	1,500,000 r/	XX	1,470,000 r/	XX	1,510,000
<b>Minnesota:</b>							
Clays	metric tons	W	W	W	W	47,800	W
Gemstones		NA	65	NA	26	NA	26
Iron ore (usable)	thousand metric tons	42,500	1,130,000	43,300	1,160,000	47,000	1,310,000
Peat	do.	33	1,930	37	3,010	24 12/	2,070 12/
Sand and gravel (construction)	thousand metric tons	30,500 e/	85,400 e/	29,500	90,000	31,900	99,400
Stone:							
Crushed	do.	9,420	37,700	10,900	47,100	11,300 6/	47,400 6/
Dimension	metric tons	33,500	11,800	16,900 4/	W	26,900	11,100
Combined value of lime, sand and gravel (industrial), stone [crushed quartzite and traprock (1995), dimension dolomite and granite (1994)], and values indicated by symbol W							
		XX	35,500	XX	44,900	XX	40,400
Total		XX	1,300,000	XX	1,340,000	XX	1,510,000
<b>Mississippi:</b>							
Clays	metric tons	1,100,000	34,300 3/	1,190,000 3/	40,500 3/	1,230,000 3/	44,000 3/
Gemstones		NA	1	NA	1	NA	1
Sand and gravel (construction)	thousand metric tons	14,500 e/	57,300 e/	12,400	53,200	11,800	53,000
Stone (crushed)	do.	2,100	8,120	1,900	7,500	1,990 4/	8,010 4/
Combined value of other industrial minerals		XX	(7/)	XX	33,900	XX	25,500
Total		XX	99,800 8/	XX	135,000	XX	131,000
<b>Missouri:</b>							
Cement (portland)	metric tons	4,060,000	201,000	4,730,000	265,000	4,360,000	270,000
Clays	do.	1,180,000 3/	7,740 3/	1,250,000 3/	7,910 3/	1,610,000	10,300 3/
Copper4/	do.	6,980	14,100	7,720	18,900	7,460	22,800
Gemstones		NA	46	NA	67	NA	58
Iron ore (usable)	thousand metric tons	287	W	W	W	W	W
Lead4/	metric tons	277,000	194,000	290,000	238,000	W	W
Sand and gravel:							
Construction	thousand metric tons	6,400 e/	19,800 e/	9,760	36,500	8,840	32,400
Industrial	do.	520	9,390	559	9,970	W	W
Silver 4/	metric tons	40	5,580	40	6,860	W	W
Stone (crushed)	thousand metric tons	53,400	239,000	68,900	330,000	65,700 6/	305,000 6/
Zinc 4/	metric tons	40,200	40,900	42,000	45,600	W	W
Combined value of barite, cement (masonry), clays (fuller's earth), iron oxide pigments (crude), lime, stone [crushed granite (1995), dimension (1993), dimension granite (1994-95)], and values indicated by symbol W							
		XX	123,000	XX	128,000	XX	495,000
Total		XX	855,000	XX	1,090,000	XX	1,140,000
<b>Montana:</b>							
Clays	metric tons	W	W	28,000 3/	W	33,100 3/	90 3/
Gemstones		NA	281	NA	3,400	NA	938
Gold 4/	kilograms	14,300	166,000	12,600 9/	156,000 9/	12,400 9/	155,000 9/
Iron ore (usable)	thousand metric tons	W	W	--	--	5	60
Lead 4/	metric tons	W	W	9,940	8,140	W	W

See footnotes at end of table.

TABLE 5--Continued  
NONFUEL RAW MINERAL PRODUCTION 1/ IN THE UNITED STATES, BY STATE 2/

Mineral	1993		1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
<b>Montana--Continued:</b>						
Palladium kilograms	6,500	\$25,300	6,440	\$29,400	5,260	\$22,000
Platinum do.	1,800	21,400	1,960	25,300	1,590	20,800
Sand and gravel (construction) thousand metric tons	10,000 e/	32,000 e/	7,360	28,800	8,870	34,900
Silver 4/ metric tons	127	17,600	71	12,000	76	12,600
Stone (crushed) thousand metric tons	2,820	10,400	2,320	8,830	2,370	9,920
Talc and pyrophyllite metric tons	350,000	11,900	W	W	W	W
Zinc 4/ do.	W	W	21,000	22,800	22,700	27,900
Combined value of barite, copper, cement [masonry (1994-95), portland], clays [bentonite, common (1993-94), fire], lime, molybdenum, peat, phosphate rock (1993), sand and gravel (industrial), stone [crushed quartzite (1995), dimension (1993-94), dimension miscellaneous (1995)], and values indicated by symbol W	XX	199,000	XX	249,000	XX	291,000
Total	XX	484,000	XX	543,000	XX	575,000
<b>Nebraska:</b>						
Clays metric tons	192,000	932	206,000	867	232,000	1,130
Lime thousand metric tons	24	1,230	24	904	20	803
Sand and gravel (construction) do.	12,900 e/	41,900 e/	15,000	49,200	13,700	47,100
Stone (crushed) do.	6,760	38,900	6,890	41,600	6,590	41,800
Combined value of other industrial minerals	XX	43,200	XX	53,600	XX	55,500
Total	XX	126,000	XX	146,000	XX	146,000
<b>Nevada:</b>						
Barite thousand metric tons	242	9,100	284 14/	5,020 14/	W	W
Clays 3/ metric tons	16,000	3,430	7,000	2,860	5,930	477
Copper 4/ do.	W	W	6,450	15,800	6,490	19,800
Gemstones	NA	660	NA	160	NA	306
Gold 4/ kilograms	211,000	2,450,000	214,000 9/	2,700,000 r/ 9/	213,000 9/	2,650,000 9/
Sand and gravel:						
Construction thousand metric tons	24,900 e/	108,000 e/	22,700	106,000	22,500	110,000
Industrial do.	480	W	572	W	W	W
Silver 4/ metric tons	713	98,500	673	115,000	766	127,000
Stone (crushed) thousand metric tons	1,070	12,500	2,310	20,600	2,410	21,400
Combined value of brucite, cement (portland), clays (fuller's earth, kaolin), diatomite, fluorspar (1993), gypsum (crude), lime, lithium minerals, magnesite, mercury, perlite (crude), salt, and values indicated by symbol W	XX	144,000	XX	149,000 r/	XX	180,000
Total	XX	2,820,000	XX	3,110,000 r/	XX	3,110,000
<b>New Hampshire:</b>						
Clays metric tons	3,000	16	3,000	16	2,590	16
Gemstones	NA	9	NA	21	NA	9
Sand and gravel (construction) thousand metric tons	4,800 e/	20,700 e/	7,120	32,600	7,190	34,300
Stone:						
Crushed do.	1,390	7,790	1,390 6/	7,470 6/	2,150 6/	9,150 6/
Dimension metric tons	53,100	8,670	35,300	6,300	23,000	6,290
Combined value of other industrial minerals	XX	--	XX	(7/)	XX	(7/)
Total	XX	37,200	XX	46,400 8/	XX	49,800 8/
<b>New Jersey:</b>						
Clays metric tons	W	W	W	W	81,600	135
Gemstones	NA	1	NA	1	NA	1
Sand and gravel:						
Construction thousand metric tons	14,700 e/	80,100 e/	16,100	100,000	14,000	80,300
Industrial do.	1,830	28,600	1,690	30,600	1,760	31,000
Stone (crushed) do.	16,700 6/	138,000 6/	19,800	154,000	21,000	132,000
Combined value of other industrial minerals	XX	15,700	XX	4,460	XX	(7/)
Total	XX	262,000	XX	289,000	XX	243,000 8/
<b>New Mexico:</b>						
Clays metric tons	33,000	101 3/	127,000 3/	269 3/	127,000 3/	274 3/
Copper 4/ do.	224,000	453,000	234,000	574,000	250,000	764,000
Gemstones	NA	10	NA	14	NA	22

See footnotes at end of table.

TABLE 5--Continued  
NONFUEL RAW MINERAL PRODUCTION 1/ IN THE UNITED STATES, BY STATE 2/

Mineral	1993		1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
<b>New Mexico--Continued:</b>						
Gold 4/ kilograms	995	\$11,600	W	W	W	W
Potash (K2O) thousand metric tons	1,190 r/	216,000	2,450	\$219,000 r/	2,330	\$209,000
Pumice metric tons	W	W	129,000	1,050	W	W
Sand and gravel (construction) thousand metric tons	11,100 e/	51,100 e/	10,400	47,400	10,400	50,700
Silver 4/ metric tons	22	3,090	22	3,750	20	3,300
Stone (crushed) thousand metric tons	3,580 r/ 6/	19,000 r/ 6/	3,550 6/	20,000 6/	3,660	18,800
Combined value of cement, clays (fire), gypsum (crude), iron ore (usable), mica (crude), molybdenum, perlite (crude), salt, stone [crushed quartzite (1993), crushed quartzite and traprock (1994), dimension (1993), dimension granite and marble (1995), dimension granite, marble, and miscellaneous (1994)], and values indicated by symbol W	XX	51,200	XX	65,100	XX	83,900
Total	XX	805,000 r/	XX	930,000 r/	XX	1,130,000
<b>New York:</b>						
<b>Cement:</b>						
Masonry metric tons	75,300	5,420	82,000	6,020	90,400	7,210
Portland do.	2,970,000	149,000	2,650,000	139,000	2,530,000	205,000
Clays do.	508,000	9,250	507,000	9,270	563,000	12,500
Peat thousand metric tons	W	W	W	12	W	W
Salt do.	5,620	191,000	6,060	233,000	4,480	185,000
Sand and gravel (construction) do.	34,900 e/	162,000 e/	28,000	138,000	27,300	134,000
<b>Stone:</b>						
Crushed do.	38,400	223,000 6/	39,400	239,000	39,500	204,000
Dimension metric tons	19,300	3,440	24,600 6/	7,370 6/	32,800	8,440
Combined value of emery (1993), garnet (industrial), gemstones, gypsum (crude), lead, sand and gravel (industrial), silver, stone [crushed traprock (1993), dimension granite and quartzite (1994)], talc and pyrophyllite, wollastonite, zinc, and values indicated by symbol W	XX	108,000	XX	117,000 r/	XX	130,000
Total	XX	852,000	XX	889,000 r/	XX	886,000
<b>North Carolina:</b>						
Clays 3/ metric tons	2,380,000	11,200	2,530,000	12,500	2,430,000	12,500
Feldspar do.	472,000	16,700	488,000	17,600	497,000	18,400
Gemstones	NA	546	NA	565	NA	4,440
Mica (scrap) thousand metric tons	51	2,700	68	3,270	74	3,690
Peat do.	W	162	21	W	19 12/	340 12/
<b>Sand and gravel:</b>						
Construction do.	11,100 e/	53,800 e/	11,100	50,700	10,100	50,100
Industrial do.	1,340	18,600	1,460	24,200	1,330	21,900
<b>Stone:</b>						
Crushed thousand metric tons	47,800 6/	298,000 6/	53,900 6/	351,000 6/	57,300	384,000
Dimension metric tons	31,700	12,300	33,700 6/	12,500 6/	41,100 6/	15,400 6/
Combined value of clays (kaolin), lithium minerals, olivine, phosphate rock, stone [crushed quartzite, sandstone, slate and miscellaneous (1994), crushed quartzite, slate, and volcanic cinder (1993), dimension quartzite, sandstone, slate, and miscellaneous (1994-95)], talc and pyrophyllite, and values indicated by symbol W	XX	204,000	XX	232,000 r/	XX	225,000
Total	XX	617,000	XX	704,000 r/	XX	735,000
<b>North Dakota:</b>						
Clays metric tons	W	W	59,000	W	59,400	W
Lime thousand metric tons	W	4,800	W	6,590	W	W
Peat metric tons	(15/)	W	W	W	W	W
Sand and gravel (construction) thousand metric tons	7,700 e/	20,400 e/	6,810	18,500	8,420	23,900

See footnotes at end of table.

TABLE 5--Continued  
NONFUEL RAW MINERAL PRODUCTION 1/ IN THE UNITED STATES, BY STATE 2/

Mineral	1993		1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
<b>North Dakota--Continued:</b>						
Combine value of clays (common), gemstones, sand and gravel (industrial), stone [crushed volcanic cinder (1993)], and values indicated by symbol W	XX	\$131	XX	\$199	XX	\$7,300
Total	XX	25,300	XX	25,300	XX	31,200
<b>Ohio:</b>						
<b>Cement:</b>						
Masonry metric tons	92,500	11,300	W	W	W	W
Portland do.	1,490,000	90,300	1,050,000	69,700	1,050,000	72,700
Clays do.	2,160,000 3/	12,000 3/	2,080,000 3/	12,500 3/	1,930,000	10,700
Gemstones	NA	5	NA	43	NA	3
Lime thousand metric tons	1,700	101,000	1,850	113,000	1,920	117,000
<b>Sand and gravel:</b>						
Construction do.	46,400 e/	203,000 e/	47,700	205,000	45,300	196,000
Industrial do.	1,360	27,500	1,260	27,700	1,270	28,800
<b>Stone:</b>						
Crushed do.	51,800 r/ 6/	227,000 r/ 6/	56,400	251,000	60,900	265,000
Dimension metric tons	25,700 6/	1,210 6/	W	W	17,900	1,670
Combined value of clays [ball (1993-94)], gypsum (crude), peat, salt, silica stone 11/ (1993), stone [crushed quartzite and sandstone (1993), dimension limestone (1993), dimension limestone and sandstone (1994)], and values indicated by symbol W	XX	178,000 r/	XX	201,000	XX	200,000
Total	XX	851,000	XX	880,000	XX	891,000
<b>Oklahoma:</b>						
<b>Cement:</b>						
Masonry metric tons	85,300	6,720	91,000	7,410	94,700	7,250
Portland do.	1,700,000	77,600	1,680,000	102,000	1,740,000	110,000
Clays do.	613,000	2,940	771,000	3,910	674,000	3,580
Gypsum (crude) thousand metric tons	2,650	15,400	2,890	17,000	2,830	17,000
Iodine (crude) metric tons	1,940	15,400	1,630	12,800	1,210	12,500
<b>Sand and gravel:</b>						
Construction thousand metric tons	9,700 e/	27,300 e/	8,480	27,200	7,800	25,100
Industrial do.	1,210	23,200	1,230	24,000	1,250	25,400
<b>Stone:</b>						
Crushed do.	27,100	114,000	29,900	125,000	31,100 6/	125,000 6/
Dimension 6/ metric tons	2,350	838	3,980	1,250	9,170	2,350
Combined value of feldspar, gemstones, helium (crude), lime, salt, stone [crushed shell and traprock (1995), dimension limestone and sandstone (1993), dimension quartzite and sandstone (1995), dimension sandstone (1994)], and tripoli	XX	17,000	XX	19,400	XX	28,700
Total	XX	300,000	XX	340,000	XX	357,000
<b>Oregon:</b>						
Clays metric tons	221,000	1,410	240,000	1,560	240,000	1,270
Copper 4/ do.	703	1,420	106	260	--	--
Gemstones	NA	2,140	NA	2,160	NA	4,570
Nickel ore 16/ metric tons	2,460	W	--	--	1,560	W
Pumice do.	W	W	220,000	2,760	W	W
Sand and gravel (construction) thousand metric tons	15,800 e/	74,800 e/	18,400	83,600	18,200	85,000
Silver 4/ metric tons	--	--	(15/)	10	--	--
Stone (crushed) thousand metric tons	18,900	84,700	18,900	90,100	20,700	95,700
Talc and pyrophyllite metric tons	64	67	W	W	W	W
Zinc 4/ do.	--	--	118	128	--	--
Combine value of cement (portland), diatomite, emery, gold (1994-95), lime, and values indicated by symbol W	XX	61,600	XX	62,100	XX	52,500
Total	XX	226,000	XX	243,000	XX	239,000

See footnotes at end of table.



TABLE 5--Continued  
NONFUEL RAW MINERAL PRODUCTION 1/ IN THE UNITED STATES, BY STATE 2/

Mineral	1993		1994		1995		
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	
<b>Pennsylvania:</b>							
<b>Cement:</b>							
Masonry	metric tons	248,000	\$18,700	245,000	\$19,300	267,000	\$21,200
Portland	do.	5,370,000	283,000	5,630,000	315,000	5,610,000	355,000
Clays	do.	765,000	3,780	811,000	4,040	750,000	3,250
Gemstones		NA	1	NA	1	NA	1
Lime	thousand metric tons	1,540	95,400	1,590	95,500	1,640	107,000
Peat	do.	9	249	10	296	11	12/ 294
Sand and gravel (construction)	do.	16,100	e/ 83,900	e/ 15,900	89,700	17,100	93,100
<b>Stone:</b>							
Crushed	do.	70,100	r/ 409,000	r/ 76,700	462,000	80,900	492,000
Dimension	metric tons	35,700	9,890	43,700	6/ 7,280	6/ 57,600	12,300
Combined value of other industrial minerals		XX	(7/)	XX	13,300	XX	(7/)
Total		XX	903,000	8/ XX	1,010,000	XX	1,080,000
<b>Rhode Island:</b>							
Gemstones		NA	1	NA	1	NA	1
Sand and gravel (construction)	thousand metric tons	2,500	e/ 13,900	e/ 2,310	14,200	2,790	21,500
Stone (crushed)	do.	1,290	9,250	1,610	12,200	1,250	9,140
Total	8/	XX	23,200	XX	26,300	XX	30,700
<b>South Carolina:</b>							
Cement (portland)	metric tons	2,130,000	109,000	2,210,000	143,000	2,210,000	156,000
Clays	do.	1,540,000	31,300	1,520,000	3/ 30,400	3/ 1,620,000	21,700
<b>Sand and gravel:</b>							
Construction	thousand metric tons	6,800	e/ 21,800	e/ 8,600	26,100	8,880	29,000
Industrial	do.	749	19,000	699	18,100	839	20,500
Stone (crushed)	do.	19,800	121,000	20,500	r/ 6 131,000	r/ 6 22,000	132,000
Combined value of cement (masonry), clays [fire (1995), kaolin (1994)], gemstones, gold, manganiferous ore, mica (scrap), peat, silver, stone [crushed marble (1994), dimension (1993), dimension granite (1994-95)], vermiculite, and values indicated by symbol W		XX	88,700	XX	93,900	r/ XX	88,700
Total		XX	391,000	XX	442,000	r/ XX	447,000
<b>South Dakota:</b>							
Clays	metric tons	W	W	W	W	136,000	W
Gemstones		NA	163	NA	110	NA	173
Gold	4/ kilograms	19,200	223,000	W	W	17,100	9/ 214,000
Sand and gravel (construction)	thousand metric tons	8,300	e/ 25,000	e/ 7,700	23,700	8,730	26,200
Silver	4/ metric tons	5	651	4	696	4	668
Stone (crushed)	6/ thousand metric tons	4,230	18,700	5,490	r/ 24,500	5,420	25,700
Combined value of cement, clays (common), feldspar, gypsum [crude (1993)], iron ore (usable), lime, mica (scrap), stone [crushed granite (1995), crushed sandstone and miscellaneous (1993), crushed miscellaneous (1994), dimension (1993), dimension granite (1994-95)], and values indicated by symbol W		XX	69,400	XX	274,000	r/ XX	65,300
Total		XX	337,000	XX	323,000	r/ XX	332,000
<b>Tennessee:</b>							
Clays	3/ metric tons	607,000	25,700	665,000	28,600	664,000	29,000
Gemstones		NA	21,800	NA	23,100	NA	35,400
<b>Sand and gravel:</b>							
Construction	thousand metric tons	7,200	e/ 34,000	e/ 8,710	38,000	8,020	36,700
Industrial	do.	644	11,700	660	11,600	918	14,700
<b>Stone:</b>							
Crushed	thousand metric tons	43,500	227,000	49,200	265,000	52,600	286,000
Dimension	metric tons	4,550	552	W	W	W	W
Combined value of barite (1994-95), cement, clays [bentonite (1993-94), common, fuller's earth, kaolin (1995)], lead, lime, silver, zinc, and values indicated by symbol W		XX	189,000	XX	235,000	XX	282,000
Total		XX	510,000	XX	602,000	XX	683,000

See footnotes at end of table.

TABLE 5--Continued  
NONFUEL RAW MINERAL PRODUCTION 1/ IN THE UNITED STATES, BY STATE 2/

Mineral	1993		1994		1995		
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	
<b>Texas:</b>							
<b>Cement:</b>							
Masonry	metric tons	245,000	\$18,400	258,000	\$18,200	202,000	\$17,600
Portland	do.	8,130,000	398,000	8,620,000	456,000	8,090,000	499,000
Clays 3/	do.	2,180,000	17,400	2,190,000	13,700	2,450,000	26,000
Gemstones		NA	400	NA	448	NA	353
Gypsum (crude)	thousand metric tons	1,760	10,100	1,870	10,100	1,880	16,200
Helium (crude)	million cubic meters	6	5,390	7	7,050	5	4,730
Lime	thousand metric tons	1,370	86,400	1,210	76,200	1,370	85,800
Salt	do.	8,250	76,100	8,760 r/	76,500 r/	9,110	85,000
<b>Sand and gravel:</b>							
Construction	do.	47,100 e/	195,000 e/	56,700	242,000	61,100	271,000
Industrial	do.	1,430	28,600	1,570	37,900	1,600	40,300
<b>Stone:</b>							
Crushed	do.	71,700 r/	281,000 r/	76,100	300,000	81,100	310,000
Dimension	metric tons	W	W	W	W	54,000	13,300
Sulfur (Frasch)	thousand metric tons	1,160	W	W	W	W	W
Talc and pyrophyllite	metric tons	236,000	5,660	225,000	5,860	294,000	5,840
Combined value of clays [ball (1993-94), bentonite, fuller's earth, kaolin (1993-94)], fluorspar (1993), helium (Grade-A), iron ore [usable (1993-94)], magnesium compounds, magnesium metal, sodium sulfate (natural), and values indicated by symbol W							
		XX	311,000	XX	295,000	XX	301,000
Total		XX	1,430,000	XX	1,540,000 r/	XX	1,680,000
<b>Utah:</b>							
Beryllium concentrates	metric tons	4,940	5	4,330	5	5,040	6
Clays	do.	216,000 3/	3,130 3/	243,000 3/	3,410 3/	424,000	4,280 3/
Gemstones		NA	1,160	NA	620	NA	939
Iron ore (usable)	thousand metric tons	W	W	W	W	144	1,700
Potash (K2O)	do.	190 r/	48,400 r/	W	W	W	W
Salt	do.	2,250	46,800	1,680	56,700	2,160	54,800
Sand and gravel (construction)	do.	16,000 e/	56,000 e/	21,100	69,600	23,800	80,200
Silver 4/	do.	135	18,700	W	W	W	W
Stone (crushed)	thousand metric tons	4,560	29,400	4,540	19,800	4,140	14,800
Combined value of cement, clays [bentonite, fuller's earth (1993)], copper, gold, gypsum (crude), helium [Grade-A (1994-95)], lime, magnesium compounds, magnesium metal, mercury, molybdenum, phosphate rock, sodium sulfate [natural (1993)], stone [dimension (1993, 1995), dimension quartzite and sandstone (1994)], and values indicated by symbol W							
		XX	1,110,000	XX	1,370,000	XX	1,700,000
Total		XX	1,310,000	XX	1,520,000	XX	1,850,000
<b>Vermont:</b>							
Asbestos	metric tons	3,660	1,530	1,130	920	--	--
Gemstones		NA	1	NA	1	NA	1
Sand and gravel (construction)	thousand metric tons	3,000 e/	10,400 e/	3,890	14,500	3,220	11,000
<b>Stone:</b>							
Crushed	do.	2,520	12,900	4,170	23,700	4,420	20,700
Dimension	metric tons	97,400	27,900	78,900 r/	23,200 r/	100,000	28,700
Total 8/		XX	52,700	XX	62,300 r/	XX	60,400
<b>Virginia:</b>							
Cement (portland)	metric tons	W	W	930,000	54,700	W	W
Clays	do.	775,000 3/	2,950 3/	870,000 3/	3,250 3/	891,000	3,200 3/
Lime	thousand metric tons	756	40,000	742	40,200	731	41,900
Sand and gravel (construction)	do.	9,000 e/	40,500 e/	8,060	33,400	9,710	42,300
<b>Stone:</b>							
Crushed	do.	51,000	292,000	56,700	327,000	55,400	326,000
Dimension	metric tons	W	W	108 6/	13 6/	W	W

See footnotes at end of table.

TABLE 5--Continued  
NONFUEL RAW MINERAL PRODUCTION 1/ IN THE UNITED STATES, BY STATE 2/

Mineral	1993		1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
<b>Virginia--Continued:</b>						
Combine value of cement (masonry), clays [bentonite (1993), fuller's earth], feldspar, gemstones, gypsum (crude), iron oxide pigments (crude), kyanite, sand and gravel (industrial), stone [dimension (1993), dimension dolomite, slate and traprock (1995), dimension granite and slate (1994)], talc and pyrophyllite (1993-94), vermiculite and values indicated by symbol W	XX	\$88,900	XX	\$43,600	XX	\$101,000
Total	XX	465,000	XX	502,000	XX	515,000
<b>Washington:</b>						
Clays metric tons	238,000 3/	1,370 3/	246,000 3/	1,140 3/	220,000	1,040
Gemstones	NA	24	NA	1,050	NA	53
Gold 4/ kilograms	7,110	82,500	7,410 9/	91,800 9/	W	W
Lime thousand metric tons	213	W	239	W	W	W
Peat do.	W	W	3	111	2 12/	87 12/
Sand and gravel (construction) thousand metric tons	40,200 e/	158,000 e/	39,600	165,000	37,700	155,000
Silver 4/ metric tons	14	1,940	W	W	--	--
Stone (crushed) thousand metric tons	13,200	68,600	14,700 r/	91,900 r/	15,800 6/	76,800 6/
Combined value of cement, clays [fire (1993-94)], diatomite, lead (1993), magnesium metal, olivine, sand and gravel (industrial), stone [crushed dolomite, limestone and marble (1995), dimension (1993), dimension miscellaneous (1994-95)], zinc (1993), and values indicated by symbol W	XX	193,000	XX	225,000	XX	350,000
Total	XX	505,000	XX	576,000 r/	XX	582,000
<b>West Virginia:</b>						
Clays metric tons	115,000	334	138,000	291	184,000	365
Gemstones	NA	1	NA	1	NA	1
Sand and gravel (construction) thousand metric tons	1,400 e/	6,700 e/	1,380	5,970	1,800	7,650
Stone (crushed) do.	10,300 6/	79,700	12,300 6/	99,300	11,800 6/	75,000 6/
Combined value of cement, lime, peat, salt, sand and gravel (industrial), and stone [crushed dolomite (1995), dimension (1994-95)]	XX	62,800	XX	75,500	XX	97,700
Total	XX	149,000	XX	181,000	XX	181,000
<b>Wisconsin:</b>						
Gemstones	NA	45	NA	53	NA	65
Lime thousand metric tons	511	30,900	507	30,300	568	33,900
Peat do.	W	W	2	61	W	W
<b>Sand and gravel:</b>						
Construction do.	27,600 e/	82,800 e/	29,200	91,500	32,200	102,000
Industrial do.	1,480	31,400	1,630	32,400	1,670	33,300
Silica stone 11/ metric tons	W	W	45	80	W	W
<b>Stone:</b>						
Crushed thousand metric tons	26,200	98,000	28,600 r/	115,000 r/ 6	26,000	108,000
Dimension metric tons	122,000	13,100	125,000	14,100	128,000	14,500
Combined value of copper, gold, silver, stone [crushed quartzite (1994)], tripoli (1993), and values indicated by symbol W	XX	57,100 r/	XX	126,000 r/	XX	124,000
Total	XX	313,000 r/	XX	409,000 r/	XX	416,000
<b>Wyoming:</b>						
Clays metric tons	2,410,000 r/ 3.	73,400 r/ 3	2,530,000 3/	91,300 3/	2,970,000	89,900 3/
Gemstones	NA	13	NA	13	NA	11
Sand and gravel (construction) thousand metric tons	3,400 e/	15,000 e/	3,210	13,100	3,860	17,500
Stone (crushed) do.	3,460	19,800	5,040 r/	29,700 r/	4,670	27,500
Combined value of cement [masonry (1993), portland (1994-95)], clays (common), gypsum [crude (1994-95)], helium (Grade-A), lime, and soda ash	XX	746,000	XX	746,000	XX	838,000
Total	XX	854,000 r/	XX	880,000	XX	973,000

See footnotes at end of table.

TABLE 5--Continued  
NONFUEL RAW MINERAL PRODUCTION 1/ IN THE UNITED STATES, BY STATE 2/

Mineral	1993		1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
Undistributed:						
Alaska (1995), Delaware, Hawaii (1994-95), Maryland (1995), Mississippi (1993), New Hampshire (1994-95), New Jersey (1995), Pennsylvania, Rhode Island, and Vermont	XX	\$48,500 r/	XX	\$14,700 r/	XX	\$121,000

e/ Estimated. r/ Revised. NA Not available. W Withheld to avoid disclosing company proprietary data; value included with "Combined value." XX Not applicable.

1/ Production as measured by mine shipments, sales, or marketable production (including consumption by producers).

2/ Data are rounded to three significant digits; may not add to totals shown.

3/ Excludes certain clays; kind and value included with "Combined value."

4/ Recoverable content of ores, etc.

5/ Data collected by State.

6/ Excludes certain stones; kind and value included with "Combined value."

7/ Value excluded to avoid disclosing company proprietary data.

8/ Partial total, excludes values that must be concealed to avoid disclosing company proprietary data.

9/ Placer canvassing discontinued beginning in 1994. May include placer data from other sources.

10/ Pyrites canvassing discontinued beginning in 1994.

11/ Grindstones, pulpstones, and sharpening stones; excludes mill liners and grinding pebbles.

12/ Data series changed to production beginning in 1995, prior years data may not be comparable.

13/ Excludes salts in brines; value included with "Combined value."

14/ Excludes certain barites; kind and value included with "Combined value."

15/ Less than 1/2 unit.

16/ Quantity fed to smelter after rejection of lower grade material. The smelter uses lateritic ore imported from New Caledonia in addition to lateritic ore mined on Nickel Mountain. The entire complex was idle all of 1994.

TABLE 6  
NONFUEL RAW MINERAL PRODUCTION IN THE COMMONWEALTH OF PUERTO RICO AND ISLANDS ADMINISTERED  
BY THE UNITED STATES 1/ 2/

Mineral	1993		1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
Puerto Rico:						
Cement (portland) metric tons	1,310,000	\$72,600	W	W	--	--
Clays do.	155,000	508	119,000	\$338	W	W
Lime thousand metric tons	--	--	23	2,970	23	\$2,970
Sand and gravel (industrial) do.	58 e/	1,400 e/	W	W	W	W
Stone (crushed) do.	7,850	51,100	10,500	78,400	15,300	107,000
Total	XX	126,000	XX	81,700 3/	XX	110,000 3/
Administered Islands:						
American Samoa: Stone (crushed) thousand metric tons	83	W	84	W	W	W
Guam: Stone (crushed) do.	1,370	15,100	2,150	12,700	2,060	17,400
Total 3/	XX	15,100	XX	12,700	XX	17,400

e/ Estimated. W Withheld to avoid disclosing company proprietary data; not included in "Total." XX Not applicable.

1/ Production as measured by mine shipments, sales, or marketable production (including consumption by producers).

2/ Data are rounded to three significant digits; may not add to totals shown.

3/ Total does not include values of items withheld.

TABLE 7  
U.S. EXPORTS OF PRINCIPAL MINERALS AND PRODUCTS, EXCLUDING MINERAL FUELS 1/

Mineral	1994		1995		
	Quantity	Value (thousands)	Quantity	Value (thousands)	
<b>Metals:</b>					
<b>Aluminum:</b>					
Alumina [includes hydroxide (calcined equivalent)]	thousand metric tons	1,040	\$271,000	1,040	\$353,000
Crude and semicrude	metric tons	1,370,000	2,730,000	1,610,000	3,900,000
Manufactures	do.	138,000	352,000	132,000	386,000
Speciality compounds (aluminum sulfate, aluminum chloride, aluminum oxide abrasives, and various fluorine-based compounds)	do.	46,900	NA	53,100	NA
<b>Antimony:</b>					
Metal, alloys, waste and scrap	do.	1,350	7,470	1,610	5,010
Oxide (antimony content)	do.	6,500	15,000	6,590	19,900
Arsenic metal	do.	79	411	430	2,130
Bauxite (dried and calcined)	thousand metric tons	114	NA	85,900	NA
Beryllium (alloys, wrought or unwrought, and waste and scrap)	kilograms	28,500	2,700	61,300	5,800
Bismuth (metal, alloys, waste and scrap)	do.	160,000	1,060	261,000	3,430
<b>Cadmium:</b>					
Metal	do.	1,450,000	2,770	1,050,000	7,160
Sulfide	do.	205,000	119,000	506,000	283,000
<b>Chromium:</b>					
Chemicals	metric tons	29,500	44,000	37,500	53,400
Chromite ore and concentrate	do.	47,100	3,550	17,800	3,430
Metals and alloys	do.	12,500 r/	16,400 r/	10,100	20,300
Pigments	do.	1,310	6,010	1,260	6,020
<b>Cobalt:</b>					
Metal (unwrought, powders, waste and scrap, and mattes and other intermediate products of metallurgy)	do.	1,050	32,500	898	49,000
Metal (wrought and cobalt articles)	do.	665	24,500	485	17,800
Ores and concentrates	do.	71	558	--	--
Oxides and hydroxides	do.	327	7,420	271	8,850
Other forms (acetates and chlorides)	do.	309	2,930	859	7,080
<b>Columbium:</b>					
Ferrocolumbium	do.	234	2,080	529	4,450
Ores and concentrates	do.	489	4,500	96	869
<b>Copper:</b>					
Scrap (alloyed and unalloyed)	do.	360,000	437,000	456,000	722,000
Semimanufactures [pipes and tubing, plates, sheets, foil, bars, bare wire (including wire rod), wire and cable (stranded), and sulfate]	do.	106,000	378,000	104,000	407,000
Unmanufactured (ore and concentrates, matte, ash and precipitates, refined, unalloyed scrap, blister and anodes)	do.	596,000	943,000	743,000	1,580,000
<b>Gold:</b>					
Bullion (refined)	kilograms	334,000	4,060,000	227,000	3,360,000
Doré and precipitates	do.	60,600	677,000	69,700	841,000
Ores and concentrates	do.	462	3,780	352	3,480
Waste and scrap	do.	76,300	745,000	82,400	762,000
Iron ore	thousand metric tons	4,890	163,000	5,270	184,000
<b>Iron and steel:</b>					
<b>Ferroalloys not elsewhere listed:</b>					
Ferrophosphorous	do.	29,100	4,960	6,470	2,730
Ferrozirconium	do.	131	161	130	260
Ferroalloys (n.e.c.)	do.	3,280	4,520	3,590	6,510
<b>Products:</b>					
Cast iron and steel	do.	183	357,000	250	461,000
Fabricated steel	do.	866	2,190,000	914	2,510,000
Steel mill	do.	3,470	3,010,000	6,420	4,650,000
<b>Scrap:</b>					
Direct-reduced iron (steelmaking grade)	do.	17	1,850	5	490
Pig iron	do.	56	6,780	54	6,450
Heavy melting, bundles, shredded steel, borings, shovelings, and turnings, cut plate and structural, tinned (iron or steel), remelting ingots, stainless steel, other steel (alloys, tinplate and ternplate)	do.	8,810	1,270,000	10,400	1,700,000
Ships, boats, and other vessels for scrapping	do.	106	9,420	6	875
Used rails for rerolling and other uses [includes mixed (used plus new) rails]	do.	35	8,900	23	5,960

See footnotes at end of table.

TABLE 7--Continued  
U.S. EXPORTS OF PRINCIPAL MINERALS AND PRODUCTS, EXCLUDING MINERAL FUELS 1/

Mineral	1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)
<b>Metals--Continued:</b>				
<b>Lead:</b>				
Ash and residues (lead content) metric tons	20,600	\$11,100	8,040	\$4,760
Ore and concentrate (lead content) do.	38,700	11,200	65,500	19,600
Scrap do.	88,100	24,500	105,000	31,000
Unwrought metal and alloys (lead content) do.	48,200	29,500	48,200	35,000
Wrought metal and alloys (lead content) do.	5,340	19,300	9,020	24,500
<b>Magnesium:</b>				
Alloys do.	5,630	16,900	6,080	18,400
Metal do.	25,600	65,700	21,500	59,300
Powder, sheets, tubing, ribbons, wire, and other forms do.	12,100	21,000	7,200	20,500
Waste and scrap do.	1,840	4,280	3,540	8,350
<b>Manganese:</b>				
Ferromanganese (all grades) do.	11,000	9,470	11,000	10,100
Metal (including alloys, waste, and scrap) do.	4,870	10,200	5,640	12,600
Ore and concentrates do.	15,300	1,550	15,400	1,750
Silicomanganese do.	6,840	5,490	7,840	5,650
Mercury do.	316	885	179	770
<b>Molybdenum (molybdenum content):</b>				
Ferromolybdenum do.	479	5,200	1,250	14,600
Ore and concentrates do.	33,600	199,000	44,600	563,000
Oxides and hydroxides (gross weight) do.	2,240	13,700	2,840	42,200
Molybdates (all) do.	1,800	10,000	2,170	36,000
Powder (gross weight) do.	168	4,320	301	11,100
Unwrought (gross weight) do.	396	4,980	622	9,760
Wire (gross weight) do.	221	10,000	291	17,700
Wrought (gross weight) do.	101 r/	6,050	174	12,700
<b>Nickel (nickel content):</b>				
<b>Unwrought:</b>				
Primary [cathodes, pellets, briquets, shot, ferronickel, powder, flakes, metallurgical-grade oxide, and chemicals (catalysts and salts)] do.	7,420 r/	89,300 r/	9,750	134,000
Secondary (scrap [stainless steel and waste]) do.	34,500	235,000	41,800	384,000
Wrought (bars, rods, profiles, wire, sheets, strip, foil, tubes, and pipes) do.	427	5,920	476	5,750
Platinum-group metals [platinum, palladium, rhodium, iridium, osmium, ruthenium, (ores and concentrates, waste and scrap, and refined)] kilograms	88,600	375,000	50,600	407,000
<b>Rare-earth metals (rare-earth oxide content):</b>				
Cerium compounds do.	4,460,000	24,400	5,120,000	35,500
Compounds do.	2,420,000	12,500	1,550,000	13,400
Ferrocerium and pyrophoric alloys do.	3,400,000	12,000	3,910,000	14,200
Metals (including scandium and yttrium) do.	274,000	1,570	370,000	3,690
Selenium (metal, waste and scrap, selenium content) do.	246,000	2,280	269,000	2,260
<b>Silicon:</b>				
Ferrosilicon metric tons	38,000	36,300	41,600	40,600
Metal do.	12,100	140,000	25,100	196,000
<b>Silver:</b>				
Bullion (refined) kilograms	868,000	155,000	2,810,000	497,000
Doré and precipitates do.	99,100	17,500	72,100	23,500
Ores and concentrates do.	196	41	741	233
Waste and scrap do.	1,210,000	211,000	1,580,000	304,000
<b>Tantalum:</b>				
Ores and concentrates (includes synthetic) metric tons	25	328	2	55
Unwrought (alloys, metal, powders, and waste and scrap) do.	200	21,100	214	25,800
Wrought do.	88	25,600	111	33,000
<b>Thorium:</b>				
Compounds kilograms	7	13	75	25
Ore (monazite concentrate) do.	33,000	21,100	--	--
<b>Tin:</b>				
Ingots and pigs metric tons	2,560	13,900	2,790	17,300
Tin scrap and other tin bearing material (except tinplate scrap, includes bars, rods, profiles, wire, powders, flakes, tubes, and pipes) do.	68,000	52,800	57,600	56,600
Tinplate and terneplate do.	213,000	123,000	307,000	185,000

See footnotes at end of table.

TABLE 7--Continued  
U.S. EXPORTS OF PRINCIPAL MINERALS AND PRODUCTS, EXCLUDING MINERAL FUELS 1/

Mineral	1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)
<b>Metals--Continued:</b>				
Titanium:				
Metal (sponge and scrap) metric tons	4,250	\$8,180	3,680	\$10,200
Other unwrought (billet, blooms and sheet bars, ingots, etc.) do.	1,560 r/	27,600	2,560	46,500
Wrought (bars, rods, etc.) do.	3,850	131,000	4,580	162,000
Ores and concentrates do.	19,000	6,070	32,300	12,000
Pigments (dioxides and oxides) do.	352,000	485,000	342,000	589,000
Tungsten (tungsten content):				
Ammonium paratungstate do.	250	2,200	238	2,760
Carbide powder do.	1,320	27,600	1,660	37,000
Metal and alloy powder do.	477	12,500	486	11,800
Miscellaneous tungsten-bearing materials [ferrotungsten and ferrosilicon tungsten unwrought, wire (metal and alloy), wrought, other compounds [other tungstates], and other metal] do.	1,080	24,100	1,420	30,300
Ore and concentrate do.	44	209	10	242
Vanadium:				
Aluminum-vanadium master alloy kilograms	1,030,000	12,900	660,000	8,190
Compounds (pentoxide [anhydride], and other [excludes vanadates], vanadium content) do.	1,390,000	7,870	1,240,000	9,030
Ferrovandium do.	374,000	4,410	340,000	6,550
Zinc:				
Compounds (chloride, lithopone, oxide, sulfate, sulfide, and compounds n.s.p.f.) metric tons	25,300	31,100	15,400	18,000
Ore and concentrates (zinc content) do.	389,000	157,000	424,000	201,000
Rolled do.	6,680	4,760	5,180	6,000
Slab do.	6,310	7,390	3,080	4,340
Zirconium:				
Ore and concentrates do.	32,000	13,900	40,300	20,000
Unwrought and waste and scrap do.	223	6,570	164	4,520
Metal totals	XX	20,900,000 r/	XX	26,900,000
<b>Industrial minerals:</b>				
Abrasive materials:				
Manufactured (fused aluminum oxide, metallic abrasives, silicon carbide) metric tons				
Special silica do.	60,900	60,200	62,000	61,100
Asbestos (includes reexports):	XX	8,600	XX	6,500
Manufactured	XX	177,000	XX	180,000
Unmanufactured metric tons	17,500	6,550	14,600	6,010
Barite (natural barium sulfate) do.	13,800	1,850	15,600	2,020
Boron:				
Boric acid thousand metric tons	87	53,300	53,300	68,100
Sodium borates do.	498	165,000	588	227,000
Bromine:				
Compounds (contained bromine) metric tons	11,500	21,100	11,200	19,900
Elemental do.	6,470	7,270	3,220	3,790
Cement: Hydraulic and clinker thousand metric tons	633	45,200	759	53,000
Clays:				
Ball do.	81	3,470	28	1,780
Bentonite do.	768	69,500	733	75,000
Fire do.	225	24,300	281	28,800
Fuller's earth do.	74	9,820	63	8,980
Kaolin do.	3,180	532,000	3,240	560,000
Other (includes chamotte or dinas earth, activated clays and earths, and artificially activated clays) do.	295	100,000	338	138,000
Diatomite do.	157	56,600	144	43,300
Diamonds (industrial):				
Industrial stones [including glazer's and engraver's unset, and miner's (natural and synthetic)] thousand carats	4,400	89,600	5,200	30,000
Powder and grit (natural and synthetic) do.	153,000	143,000	101,000	98,000
Feldspar metric tons	17,300	1,940	14,700	1,970
Fluorspar do.	23,500	3,690	41,800	5,550
Garnet (industrial) do.	10,000 e/	XX	9,000 e/	XX

See footnotes at end of table.

TABLE 7--Continued  
U.S. EXPORTS OF PRINCIPAL MINERALS AND PRODUCTS, EXCLUDING MINERAL FUELS 1/

Mineral	1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)
<b>Industrial minerals--Continued:</b>				
Gemstones (includes reexports):	XX	\$2,240,000	XX	\$2,530,000
Graphite (natural and artificial 2/)	metric tons	58,100	90,600	66,400
<b>Gypsum:</b>				
Boards	thousand metric tons	74	64	17,300
Crude	do.	89	79	4,240
Plasters	do.	153	159	23,900
Other	do.	XX	XX	29,600
Helium (Grade-A)	million cubic meters	25	28	54,900
<b>Iodine:</b>				
Crude/resublimed	metric tons	1,130 r/	1,170	10,400
Potassium iodide	do.	69 r/	45	836
<b>Iron oxide pigments:</b>				
Pigment grade	do.	21,300	17,500	24,900
Other grade	do.	229,000	159,000	108,000
Lime	thousand metric tons	74	72	8,490
<b>Lithium compounds:</b>				
Carbonate	metric tons	5,210 r/	6,550	22,500
Hydroxide	do.	3,430 r/	4,060	17,400
<b>Magnesium compounds:</b>				
Caustic-calcined magnesia	do.	3,240	2,280	1,200
Compounds (chlorides, hydroxide and peroxide, and sulfates)	do.	20,900	27,000	9,830
Dead-burned and fused magnesia	do.	60,600 r/	74,800	28,600
Magnesite (crude)	do.	9,560 r/	31,900	4,120
Other magnesia	do.	13,200 r/	12,400	8,310
<b>Mica:</b>				
<b>Scrap and flake:</b>				
Powder	do.	5,840	6,280	3,160
Waste	do.	672	952	294
<b>Sheet:</b>				
Unworked	do.	256	198	389
Worked	do.	747	737	11,700
Nitrogen compounds (major):	thousand metric tons	13,000 r/	13,800	NA
Peat	do.	23	23	2,200
Perlite (crude)	metric tons	30,000	40,000	1,120
<b>Phosphorus:</b>				
Diammonium and monoammonium phosphates	thousand metric tons	10,700	11,300	NA
Elemental phosphorous	metric tons	15,200	13,700	24,100
Phosphate rock (ground and unground)	thousand metric tons	3,310	2,990	NA
Phosphoric acid	do.	516	575	NA
Superphosphates	do.	801	714	NA
<b>Potash:</b>				
Potassium chloride (all grades)	metric tons	419,000	297,000	NA
Potassium magnesium sulfate	do.	298,000	339,000	NA
Potassium nitrate	do.	6,510	11,600	NA
Potassium sulfate	do.	273,000	290,000	NA
Pumice and pumicite	thousand metric tons	18	16	6,700
Quartz crystal (cultured)	metric tons	38	35	10,900
Salt	thousand metric tons	742	670	34,400
<b>Sand and gravel:</b>				
<b>Construction:</b>				
Gravel	do.	482	453	5,540
Sand	do.	564	850	19,200
Industrial	do.	1,880	1,870	106,000
<b>Sodium compounds:</b>				
Soda ash	do.	3,230	3,570	445,000
Sodium sulfate	do.	65	66	7,250
<b>Stone:</b>				
Crushed	metric tons	5,180,000	6,040,000	39,300
Dimension	do.	NA	NA	51,800
Strontium compounds (precipitated carbonate, oxide, hydroxide, and peroxide)	kilograms	1,860	1,730	928

See footnotes at end of table.



TABLE 7--Continued  
U.S. EXPORTS OF PRINCIPAL MINERALS AND PRODUCTS, EXCLUDING MINERAL FUELS 1/

Mineral	1994		1995		
	Quantity	Value (thousands)	Quantity	Value (thousands)	
<b>Industrial minerals--Continued:</b>					
<b>Sulfur:</b>					
Elemental	thousand metric tons	899	\$48,400	906	\$66,200
Sulfuric acid (100% H <sub>2</sub> SO <sub>4</sub> )	metric tons	140,000	11,000 r/	170,000	12,800
Talc (excludes talcum in packages, face, and compact)	thousand metric tons	154	29,800	183	37,100
Industrial minerals totals		XX	5,020,000 r/	XX	5,480,000
Total		XX	26,000,000 r/	XX	32,300,000

r/ Revised. NA Not available. XX Not applicable.

1/ Data are rounded to three significant digits; may not add to totals shown.

2/Artificial graphite includes large amounts of materials made from petroleum coke.

TABLE 8  
U.S. IMPORTS FOR CONSUMPTION OF PRINCIPAL MINERALS AND PRODUCTS, EXCLUDING MINERAL FUELS 1/

Mineral	1994		1995		
	Quantity	Value (thousands)	Quantity	Value (thousands)	
<b>Metals:</b>					
<b>Aluminum:</b>					
Alumina (calcined equivalent)	thousand metric tons	3,120	\$623,000	4,000	\$908,000
Crude and semicrude	metric tons	3,380,000	5,000,000	2,970,000	5,890,000
Manufactures	do.	100,000	245,000	88,000	273,000
<b>Antimony:</b>					
Metal	do.	18,200	61,700	16,900	60,900
Ore and concentrate (antimony content)	do.	5,640	16,900	4,260	18,300
Oxides (antimony content)	do.	17,700	41,800	15,400	51,800
<b>Arsenic:</b>					
Acid	do.	5	10	(2/)	3
Metal	do.	1,330	3,410	557	4,100
Trioxide	do.	26,800	15,200	29,000	15,000
<b>Bauxite:</b>					
Calcined	thousand metric tons	349	19,100	482	31,900
Crude and dried	do.	10,700	NA	10,100	NA
Beryllium (metal and compounds)	kilograms	235,000	4,170	135,000	3,820
Bismuth metals and alloys	do.	1,660,000	9,650	1,450,000	10,400
<b>Cadmium:</b>					
Metal	do.	1,110,000	2,170	848,000	2,710
Sulfide	do.	43,500	272 r/	57,600	226
<b>Chromium:</b>					
Chemicals	metric tons	20,600	29,300	18,200	35,200
Chromite ore	do.	201,000	13,900	253,000	20,100
Ferrocromium (all grades)	do.	317,000	148,000	495,000	399,000
Metals and alloys [metal (waste and scrap and other), and ferrocromium-silicon]	do.	21,600	47,100	56,600	77,900
Pigments and preparations based chromium	do.	6,400	16,400	6,310	15,700
<b>Cobalt:</b>					
Metal (alloys, articles, matte, wrought, and waste and scrap)	do.	1,040	20,800	1,130	27,500
Metal (unwrought, excluding alloys and waste and scrap)	do.	5,890	248,000	5,530	325,000
Oxide and hydroxides	do.	763	26,100	808	34,300
Other forms (acetates, carbonates, chlorides, and sulfates)	do.	1,250	12,100	1,170	15,800
<b>Columbium:</b>					
Ferrocolumbium	thousand kilograms	3,980	34,000	5,510	45,000
Ores and concentrates	do.	3,080	11,400	1,040	6,580
Oxide	do.	757	11,600	1,320	20,200
Unwrought (alloys, metals, and powders)	do.	171	3,770	257	5,380
<b>Copper:</b>					
Scrap (alloyed and unalloyed)	metric tons	160,000	265,000	183,000	360,000
Semimanufactures [pipes and tubing, plates, sheets, foil, bars, bare wire (including wire rod), wire and cable (stranded), and sulfate]	do.	94,100	298,000 r/	115,000	428,000
Unmanufactured (ore and concentrates, matte, ash and precipitates, blister and anode, refined, unalloyed scrap)	do.	675,000	1,430,000	724,000	1,830,000
Gallium (unwrought, waste and scrap)	kilograms	16,900	3,550	18,100	4,350

See footnotes at end of table.

TABLE 8--Continued  
U.S. IMPORTS FOR CONSUMPTION OF PRINCIPAL MINERALS AND PRODUCTS, EXCLUDING MINERAL FUELS 1/

Mineral	1994		1995		
	Quantity	Value (thousands)	Quantity	Value (thousands)	
<b>Metals--Continued:</b>					
Germanium materials (gross weight)	do.	14,700	\$5,140	16,200	\$10,300
<b>Gold:</b>					
Bullion (refined)	do.	96,400	1,180,000	111,000	1,360,000
Doré and precipitates	do.	15,100	174,000	9,820	92,600
Ore and concentrates	do.	2,250	27,300	5,020	53,900
Waste and scrap	do.	21,800	111,000	14,400	123,000
Hafnium (unwrought, and waste and scrap)	metric tons	5	871	5	1,130
Indium (unwrought, and waste and scrap)	kilograms	70,200	8,950	85,200	32,900
Iron ore	thousand metric tons	17,500	499,000	17,500	485,000
<b>Iron and steel:</b>					
Ferroalloys not elsewhere listed:					
Ferrophosphorus	do.	15,200	5,170	7,590	3,860
Ferrotitanium and ferrosilicon-titanium	do.	6,340	11,200	5,570	14,100
Ferrozirconium	do.	60	108	46	110
Ferroalloys (n.e.c.)	thousand metric tons	22,400	30,600	30,800	40,300
<b>Products:</b>					
Cast iron and steel	thousand metric tons	272	259,000	313	323,000
Fabricated steel	do.	2,390 r/	3,840,000	2,600	4,400,000
Steel mill	do.	27,300	12,400,000	22,100	11,700,000
Pig iron	do.	2,500 r/	344,000 r/	2,360	391,000
<b>Scrap:</b>					
Direct-reduced iron (steelmaking grade)	do.	1,170	138,000	1,190	145,000
Heavy melting, bundles, shredded steel, borings, shovelings, and turnings, cut plate and structural, tinned (iron or steel), remelting ingots, stainless steel, other steel (alloys, tinplate and ternplate)	do.	1,740 r/	218,000 r/	2,090	284,000
Ships, boats, and other vessels for scrapping	do.	(2/)	210	(2/)	2,010
Used rails for rerolling and other uses	do.	183	31,500	186	31,400
<b>Lead:</b>					
Base bullion (lead content)	do.	577	284	31	27
Ore and concentrates (lead content)	do.	473	138	2,600	1,960
Pigments and compounds	do.	36,700	43,600	37,000	42,000
Pigs and bars (lead content)	do.	231,000	134,000	264,000	176,000
Scrap (reclaimed, includes ash and residues, lead content)	do.	144	80	75	36
Wrought (all forms, including wire and powders, gross weight)	do.	5,820	12,100	6,600	13,700
<b>Magnesium:</b>					
Alloys (magnesium content)	do.	9,540	33,800	15,900	55,100
Metal	do.	15,700	36,200	6,480	23,000
Powder, sheets, tubing, ribbons, wire, and other forms (magnesium content)	do.	981	3,510	867	4,410
Waste and scrap	do.	2,920	4,190	11,500	26,000
<b>Manganese:</b>					
Chemicals (manganese dioxide and potassium permanganate)	do.	31,300	47,200	28,700	41,200
Metal	do.	20,300	28,800	10,800	18,000
Ore and concentrates (manganese content)	do.	161,000 r/	29,800	187,000	33,300
Ferromanganese (all grades, manganese content)	do.	265,000 r/	169,000	242,000	149,000
Silicomanganese (manganese content)	do.	181,000	123,000	201,000	161,000
Mercury (metal, mercury-bearing waste and scrap)	do.	129	494	377	1,190
<b>Molybdenum (molybdenum content):</b>					
Ferromolybdenum	do.	2,960	23,200	4,190	73,700
Molybdates (all, gross weight)	do.	684 r/	2,630 r/	1,020	5,060
Ore and concentrates	do.	2,280	15,900	5,570	81,000
Oxides and hydroxides (gross weight)	do.	628	3,950	918	11,200
Powder	do.	89	2,770	146	5,470
Unwrought	do.	52	1,060	102	3,430
Wire (gross weight)	do.	2	304	(2/)	271
Other (inorganic compounds, orange, waste and scrap, and other, gross weight)	do.	1,420	9,410	456	7,330

See footnotes at end of table.

TABLE 8--Continued  
U.S. IMPORTS FOR CONSUMPTION OF PRINCIPAL MINERALS AND PRODUCTS, EXCLUDING MINERAL FUELS 1/

Mineral	1994		1995	
	Quantity	Value (thousands)	Quantity	Value (thousands)
<b>Metals--Continued:</b>				
Nickel (nickel content):				
Alloyed (unwrought ingots, bars, rods, profiles, wire, sheets, strip, foil, tubes, pipes, other articles, gross weight) do.	7,680	\$93,800 r/	9,130	\$122,000
Unwrought:				
Primary [cathodes, pellets, briquets, shot, ferronickel, powder, flakes, metallurgical-grade oxide, and chemicals (catalysts and salts)] do.	127,000	790,000	149,000	1,240,000
Secondary [scrap (stainless steel and waste)] do.	6,060	41,900	7,930	80,900
Wrought (bars, rods, profiles, wire, sheets, strips, foil, tubes, and pipes) do.	635	8,740	2,240	21,800
Platinum-group metals [platinum, palladium, rhodium, iridium, osmium, ruthenium, (ores and concentrates, waste and scrap, and refined)] kilograms	171,000	1,400,000	221,000	1,760,000
Rare-earth metals (rare-earth oxide content):				
Cerium compounds (including chlorides, hydroxides, nitrates, oxides, oxilate, and sulfates) do.	1,890,000	15,400	4,090,000	25,400
Compounds (including hydroxides, nitrates, oxides, and others, except chlorides) do.	5,140,000	44,400	8,670,000	56,900
Rare-earth metals (rare-earth oxide content)--Continued:				
Chloride mixtures (except cerium chloride) kilograms	2,410,000	11,400	2,720,000	12,400
Ferrocerium and other pyrophoric alloys do.	77,400	1,170	88,300	1,440
Oxide mixtures (except cerium oxides) do.	354,000	10,300	678,000	16,700
Rare-earth metals (whether intermixed or alloyed) do.	284,000	4,450	754,000	7,670
Rhenium:				
Ammonium perrhenate do.	2,330	1,010	3,280	1,230
Metal do.	5,870	5,890	9,550	7,050
Selenium (selenium content):				
Selenium dioxide do.	15,300	173	12,800	181
Unwrought, and waste and scrap do.	396,000	7,420	311,000	6,050
Silicon:				
Ferrosilicon metric tons	204,000	125,000	219,000	164,000
Metal do.	100,000	152,000	95,900	178,000
Silver:				
Bullion (refined) kilograms	2,060,000	347,000	2,630,000	428,000
Doré and precipitates do.	413,000	124,000	395,000	124,000
Ore and concentrates do.	133,000	24,100	225,000	37,400
Waste and scrap do.	1,070,000	55,100	2,140,000	55,000
Tantalum:				
Ores and concentrates (includes synthetic) thousand kilograms	1,120	25,600	1,120	24,300
Unwrought (alloys, metal, powders, and waste and scrap) do.	340	26,100	540	59,700
Wrought do.	1	368	5	1,500
Tellurium (unwrought, and waste and scrap) kilograms	27,400	1,570	45,800	2,430
Thallium (unwrought waste and scrap) do.	630	63	1,180	90
Thorium:				
Compounds do.	3,150	140	20,500	942
Ore (monazite concentrate) do.	--	--	40	11
Tin:				
Compounds metric tons	744	4,740	986	7,270
Metal (unwrought) do.	32,400	171,000	33,200	204,000
Miscellaneous tin and tin manufactures [alloys (n.s.p.f.), dross, flitters, foil, metallics, powder, residues, scrap, skimmings, and manufactures (n.s.p.f.)] do.	XX	42,100	XX	64,000
Tinplate and terneplate do.	337,000	216,000	272,000	180,000
Tinplate scrap do.	8,950	1,410	16,000	2,390
Titanium:				
Concentrates:				
Ilmenite do.	336,000	26,200	473,000	34,000
Rutile (natural and synthetic) do.	332,000	124,000	318,000	130,000
Titaniferous iron ore do.	43,700	2,270	88,400	5,200
Titanium slag do.	472,000	158,000	388,000	132,000
Metal:				
Ingots and billets do.	1,730	15,500	1,880	19,100
Powder do.	79 r/	981 r/	238	1,720
Unwrought do.	6,470	22,500	7,560	35,200

See footnotes at end of table.

TABLE 8--Continued  
 U.S. IMPORTS FOR CONSUMPTION OF PRINCIPAL MINERALS AND PRODUCTS, EXCLUDING MINERAL FUELS 1/

Mineral	1994		1995		
	Quantity	Value (thousands)	Quantity	Value (thousands)	
<b>Metals--Continued:</b>					
Titanium: Metal--Continued:					
Waste and scrap	do.	5,870	\$19,100	11,100	\$43,500
Wrought products and castings (bars, castings, foil, pipes, plates, profiles, rods, sheet, strip, tubes, wire, and other)	do.	801	23,700	1,860	43,300
Other (includes bars, blooms, sheet, slabs, and other unwrought)	do.	644	4,540 r/	941	4,070
Pigments (dioxides and oxides)	do.	176,000	283,000	183,000	323,000
Tungsten (tungsten content):					
Ammonium paratungstate	do.	848	5,220	1,290	11,200
Ferrotungsten	do.	515	1,880	652	3,470
Miscellaneous tungsten-bearing materials [carbide, chlorides, oxides, unwrought, tungstates (calcium and sodium), waste and scrap, wrought, and other tungsten-bearing material]	metric tons	6,410	48,400	6,170	73,800
Ore and concentrates	do.	2,960	9,110	4,180	22,100
Vanadium:					
Aluminum-vanadium master alloy	kilograms	1,910,000	12,900	1,950,000	30,000
Metal (including waste and scrap)	do.	570,000	5,880	796,000	14,200
Pentoxide (anhydride, vanadium content)	do.	294,000	1,770	547,000	7,040
Other oxides and hydroxides	do.	3,470	41	35,600	608
Vanadium-bearing materials [ash, residues, slag, other (includes spent catalyst), pentoxide content ]	do.	3,390,000	2,070	4,100,000	7,280
Miscellaneous chemicals (vanadates, hydrides, and nitrides)	do.	29,700	454	47,000	444
Zinc:					
Pigments and compounds (chloride, lithopone, oxide, sulfate, sulfide, and compounds n.s.p.f.)	metric tons	55,100	59,700	58,500	62,300
Ore and concentrates (zinc content)	do.	27,400	10,500	10,300	4,380
Rolled	do.	475	744	332	384
Slab	do.	793,000	518,000	856,000	903,000
Zirconium:					
Ore and concentrates	do.	82,000	14,900	93,600	25,400
Unwrought and waste and scrap	do.	188	1,110	785	807
Metal totals		XX	33,800,000 r/	XX	38,200,000
<b>Industrial minerals:</b>					
Abrasive materials:					
Manufactured (Fused aluminum oxide, metallic abrasives, silicon carbide)	metric tons	284,000 r/	143,000	385,000	159,000
Silica stone	do.	XX	2,400	XX	2,900
Asbestos (unmanufactured)	do.	25,800	5,390	21,900	4,810
Barite:					
Barium chemicals	do.	39,300	29,400	43,400	35,200
Crude and ground	do.	1,070,000 r/	47,200	1,040,000	52,500
Boron (contained boric oxide):					
Borax	thousand metric tons	9	2,700	9	936
Boric acid	do.	20	12,900	16	10,100
Colemanite	do.	27 r/	10,800	45	8,600
Ulexite	do.	120	24,000	153	39,300
Bromine:					
Compounds (contained bromine)	thousand kilograms	23,500 r/	55,100 r/	9,160	25,900
Elemental	do.	319	194	2,220	1,460
Cement: Hydraulic and clinker	thousand metric tons	11,300	443,000	13,800	541,000
Clays:					
Ball and common blue clay	do.	836	281	1,370	338
Bentonite	do.	2,050	782	3,110	962
Fire	do.	1,030	464	1,350	831
Fuller's earth and decolorizing earths	do.	1,440	65	100	45
Kaolin (China clay)	do.	10,800	4,030	12,000	3,900
Other (chamotte or dina's earth, artificially activated clay and activated earth)	do.	19,400	9,260	17,100	9,940
Diatomite	metric tons	379	363	259	(3/)
Diamonds (industrial):					
Industrial stones [including glazer's and engraver's unset, and miner's (natural and synthetic)]	thousand carats	2,810	26,400	4,100	27,200
Powder, dust and grit (natural and synthetic)	do.	174,000	89,300	188,000	81,500

See footnotes at end of table.

TABLE 8--Continued  
 U.S. IMPORTS FOR CONSUMPTION OF PRINCIPAL MINERALS AND PRODUCTS, EXCLUDING MINERAL FUELS 1/

Mineral	1994		1995		
	Quantity	Value (thousands)	Quantity	Value (thousands)	
<b>Industrial minerals--Continued:</b>					
Feldspar	metric tons	7,360	\$513	8,980	\$813
<b>Fluorspar:</b>					
Aluminum fluoride	do.	23,700	22,700	22,200	17,200
Cryolite	do.	4,450	3,460	7,270	5,330
Fluorspar	do.	493,000 r/	46,700	558,000	67,400
Hydrofluoric acid	do.	68,200	63,000	70,300	65,900
Garnet (industrial)	do.	6,000 e.	XX	5,000 e.	XX
Gemstones		XX	6,440,000	XX	6,660,000
<b>Graphite:</b>					
Natural	metric tons	53,100	26,900	60,700	30,100
Electric furnace electrodes	do.	45,700	95,000	47,500	102,000
<b>Gypsum:</b>					
Boards	thousand metric tons	370	39,700	560	64,400
Crude	do.	8,470	61,400	8,160	60,000
Plasters	do.	5	980 r/	8	1,520
Other	do.	XX	39,300	XX	40,300
<b>Iodine:</b>					
Crude	metric tons	4,260	32,400	3,800	37,500
Potassium iodide	do.	99 r/	1,160	151	1,610
<b>Iron oxide pigments:</b>					
Natural	do.	6,420	2,130 r/	6,810	2,650
Synthetic	do.	45,100 r/	59,200 r/	52,500	75,000
Kyanite (andalucite)	do.	7,900	1,290	3,210	623
Lime	thousand metric tons	204	13,100	289	20,200
<b>Lithium:</b>					
Carbonate	metric tons	4,500	12,700	5,970	16,900
Hydroxide	do.	32 r/	370 r/	104	593
<b>Magnesium compounds:</b>					
Caustic-calcined magnesia	do.	125,000	16,100	139,000	21,200
Compounds (chlorides, hydroxide, peroxide, and sulfates)	do.	55,500	13,700	64,900	19,200
Dead-burned and fused magnesia	do.	342,000	51,800	393,000	73,200
Magnesite (crude)	do.	326	133	13,600	4,320
Other magnesia	do.	7,890	8,500	12,600	9,930
<b>Mica:</b>					
<b>Scrap and flake:</b>					
Powder	do.	16,300	10,600	14,200	9,280
Waste	do.	6,330	1,840	7,730	1,880
<b>Sheet:</b>					
Unworked	do.	1,150	1,740	3,080	1,950
Worked	do.	1,460	12,900	1,150	10,700
Nepheline syenite (crushed and ground)	do.	333,000	18,700	316,000	19,700
Nitrogen compounds (major)	thousand metric tons	9,730	1,480,000	8,010	1,610,000
Peat moss (poultry and fertilizer grade)	do.	669,000	126,000	669,000	121,000
Perlite (crude)	metric tons	70,000	2,100	84,000	2,350
Phosphate rock and phosphatic materials	thousand metric tons	874	72,300	775	58,400
<b>Potash:</b>					
Potassium chloride	metric tons	7,790,000	614,000	7,830,000	577,000
Potassium nitrate	do.	16,400	4,280	36,600	9,170
Potassium sodium nitrate mixtures	do.	45,700	6,180	38,600	6,180
Potassium sulfate	do.	70,900	17,300	51,800	9,530
<b>Pumice:</b>					
Crude or unmanufactured	thousand metric tons	142	12,000	237	16,400
Wholly or partially manufactured	do.	1	591	1	329
Quartz crystal (cultured)	metric tons	19	5,950	47	10,800
Salt	thousand metric tons	9,630	151,000	7,090	114,000
<b>Sand and gravel:</b>					
Construction	do.	1,500	14,800	1,120	12,000
Industrial	do.	24 r/	1,790	65	2,730
<b>Sodium compounds:</b>					
Soda ash	do.	79	12,100	83	12,000
Sodium sulfate	do.	190	15,700	206	17,700

See footnotes at end of table.

TABLE 8--Continued  
U.S. IMPORTS FOR CONSUMPTION OF PRINCIPAL MINERALS AND PRODUCTS, EXCLUDING MINERAL FUELS 1/

Mineral	1994		1995		
	Quantity	Value (thousands)	Quantity	Value (thousands)	
<b>Industrial minerals--Continued:</b>					
Stone:					
Crushed and calcium carbonate fines	thousand metric tons	8,930 <sup>r/</sup>	\$77,800 <sup>r/</sup>	10,900	\$91,900
Dimension		XX	439,000	XX	478,000
Strontium:					
Celestite (strontium sulfate)	metric tons	35,500	2,420	28,900	2,060
Compounds (carbonate and nitrate)	do.	33,200	17,300 <sup>r/</sup>	35,100	21,400
Sulfur:					
Elemental	thousand metric tons	1,650	62,000	2,510	143,000
Sulfuric acid (100% H <sub>2</sub> SO <sub>4</sub> )	metric tons	2,130,000	85,100	1,920,000	93,000
Talc (unmanufactured)	thousand metric tons	155	14,900	146	14,800
Industrial mineral totals		XX	11,200,000 <sup>r/</sup>	XX	11,900,000
Total		XX	45,000,000 <sup>r/</sup>	XX	50,100,000

r/ Revised. NA Not available. XX Not applicable.

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

3/ Data not available at time of table compilation.

TABLE 9  
COMPARISON OF WORLD AND UNITED STATES PRODUCTION OF SELECTED NONFUEL MINERAL COMMODITIES 1/

(Metric tons unless otherwise specified)

Mineral	1994			1995		
	World e/	U.S.	U.S. percent of world	World e/	U.S.	U.S. percent of world
<b>Metals, mine basis:</b>						
Antimony 2/	108,000	W	NA	103,000	W	NA
Arsenic trioxide	42,200 r/	--	--	41,300	--	--
Bauxite 3/	thousand tons 107,000	W	NA	109,000	W	NA
Beryl 4/	6,100 r/	4,330 5/	71	6,810	5,040	74
Chromite	thousand tons 9,490 r/	--	--	12,100	--	--
Cobalt 2/ 4/	17,600 r/	--	--	22,100	--	--
Columbium-tantalum concentrate (gross weight) 7/	36,900 r/	--	--	42,900	--	--
Copper 2/	thousand tons 9,500 r/	1,320 r/	14 r/	10,000	1,310	13
Gold 2/	kilograms 2,260,000 r/	327,000 r/	15	2,250,000	320,000	14
Iron ore (gross weight)	thousand tons 968,000 r/	58,400	6	1,030,000	62,500	6
Lead 2/	do. 2,810 r/	370	13	2,710	394	15
Manganese ore (gross weight)	do. 18,500 r/	--	--	21,300	--	--
Mercury	1,800 r/	W	NA	2,820	W	NA
Molybdenum 2/	105,000 r/	46,800	45 r/	124,000	60,900	49
Nickel 2/	924,000	--	--	1,040,000	1,560 e/	(7/)
Platinum-group metals	kilograms 269,000 r/	8,400 e/	3	286,000	6,840	2
Silver 2/	14,000 r/	1,480	11	14,600	1,640	11
Tin 2/	182,000 r/	--	--	187,000	--	--
<b>Titanium concentrates (gross weight):</b>						
Ilmenite (including leucoxene)	thousand tons 3,570	W	NA	3,810	W	NA
Rutile	do. 469	W	NA	312	W	NA
Tungsten 2/	35,400 r/	W	NA	30,600	W	NA
Vanadium 2/	34,700 r/	2,740	8	34,900	1,990	6
Zinc 2/	thousand tons 7,020 r/	598	9	7,120	644	9
<b>Metals, refinery basis:</b>						
Aluminum	do. 19,200 r/	3,300	17	19,400	3,380	17
Bismuth	4,100	W	NA	4,320	W	NA
Cadmium	18,100	1,010	6	18,500	1,270	7
Cobalt	18,600 r/	--	--	21,900	--	--
Copper (primary and secondary)	thousand tons 11,200	2,230 r/	20	11,700	2,250	19
Lead (primary and secondary) 8/	do. 5,380	1,260	24 r/	5,400	1,350	25
Magnesium (primary)	284,000 r/	128,000	45 r/	339,000	142,000	42
Nickel 9/	819,000	--	--	908,000	8,290	1
Selenium 6/ 10/	kilograms 2,160,000 r/	360,000	17 r/	2,070,000	373,000	18
Tellurium 4/	do. 108,000 r/	W	NA	108,000	W	NA
Tin 11/	207,000 r/	W	NA	209,000	W	NA
Zinc (primary and secondary)	thousand tons 7,370 r/	356	5	7,480	363	5
<b>Iron and steel:</b>						
Direct-reduced iron	do. 27,400 r/	480	2	29,700	460	2
Iron, pig	do. 514,000 r/	49,400	10	525,000	50,900	10
Steel, raw	do. 730,000 r/	91,200	13 r/	752,000	95,200	13
<b>Industrial minerals:</b>						
Asbestos	do. 2,460 r/	10 12/	(7/)	2,400	W	NA
Barite	do. 4,210 r/	583 r/ 12/	14 r/	4,410	543 12/	12
Boron minerals	do. 2,710 r/	1,110 12/	41 r/	2,390	796 12/	33
Bromine	412,000	195,000 12/	47	432,000	218,000 12/	50
Cement, hydraulic 13/	thousand tons 1,380,000	79,400 r/	6 r/	1,420,000	78,300	6
<b>Clays:</b>						
Bentonite 4/	do. 8,360 r/	3,290	39 r/	8,860	3,820	43
Fuller's earth 6/	do. 3,600 r/	2,640 12/	73 r/	3,580	2,640 12/	74
Kaolin 4/	do. 36,100 r/	8,770 r/ 12/	24 r/	35,700	8,580 12/	24
Diamond, natural	thousand carats 110,000 r/	--	--	110,000	--	--
Diatomite	thousand tons 1,300 r/	613 12/	47 r/	1,370	687 12/	50
Feldspar	do. 5,970 r/	765	13 r/	6,110	880	14
Fluorspar	do. 3,810 r/	49 e/ 5/	1	3,940	51 5/	1
Graphite, natural	725,000 r/	--	--	718,000	--	--
Gypsum	thousand tons 99,500 r/	17,200	17	98,100	16,600	17

See footnotes at end of table.

TABLE 9--Continued  
COMPARISON OF WORLD AND UNITED STATES PRODUCTION OF SELECTED NONFUEL MINERAL COMMODITIES 1/

(Metric tons unless otherwise specified)

Mineral	1994			1995		
	World e/	U.S.	U.S. percent of world	World e/	U.S.	U.S. percent of world
<b>Industrial minerals--Continued:</b>						
Iodine, crude	14,000 r/	1,430	10	13,700	1,210	9
Lime 13/	thousand tons 110,000 r/	17,400 12/	16 r/	112,000	18,500 12/	17
Magnesite, crude	do. 8,550 r/	W	NA	9,170	W	NA
Mica (including scrap and flake) 14/	238,000 r/	109,000	46 r/	245,000	108,000	44
Nitrogen: N content of ammonia	thousand tons 90,800 r/	13,400 15/	15	91,600	13,300 15/	15
Peat 16/	do. 129,000 r/	547	(7/)	128,000	588	(7/)
Perlite 4/	1,480,000 r/	644,000 12/	44 r/	1,550,000	700,000 12/	45
Phosphate rock (gross weight)	thousand tons 128,000 r/	41,100	32 r/	131,000	43,500	33
Potash (K <sub>2</sub> O equivalent)	do. 23,100 r/	1,400	6	24,700	1,480	6
Pumice 17/	do. 11,400	490 12/	4	10,800	529 12/	5
Salt 13/	do. 190,000 r/	39,800 e/	21 r/	189,000	42,200 e/	22
Sand and gravel, industrial (silica) 4/	do. 120,000 r/	27,900 12/	23 r/	120,000	28,900 12/	24
<b>Sodium compounds, n.e.s. (natural and manufactured):</b>						
Soda ash 18/	do. 29,700 r/	9,320	31	30,800	10,100	33
Sulfate	do. 3,960 r/	478 r/	12	4,030	451	11
Strontium 4/	134,000 r/	--	--	135,000	--	--
Sulfur, all forms	thousand tons 54,100 r/	11,500	21 r/	54,300	11,800	22
Talc and pyrophyllite 19/	do. 8,030 r/	935	12	7,150	106	1
Vermiculite	484,000 r/	177,000 12/	37	478,000	171,000 12/	36

e/ Estimated. r/ Revised. NA Not available. W Withheld to avoid disclosing company proprietary data.

1/ Data are rounded to three significant digits.

2/ Content of ore and concentrate.

3/ U.S. figures represent dried bauxite equivalent of crude ore; to the extent possible, individual country figures that are included in the world total are also on the dried bauxite basis, but for some countries available data are insufficient to permit this adjustment.

4/ World total does not include an estimate for output in China.

5/ Shipments.

6/ World total does not include estimates for output in the former U.S.S.R. or China.

7/ Less than 1/2 unit.

8/ Includes bullion.

9/ Refined nickel plus nickel content of ferronickel, nickel oxide, and other nickel salts.

10/ U.S. production includes semirefined selenium exported for further refining.

11/ Includes tin content of alloys made directly from ore.

12/ Quantity sold or used by producers.

13/ Data for the United States include Puerto Rico.

14/ Excludes U.S. production of low-quality sericite and sheet mica, if any.

15/ Synthetic anhydrous ammonia; excludes coke oven byproduct ammonia.

16/ Data for the United States exclude proprietary amounts of fuel peat.

17/ World total does not include an estimate for output in the former U.S.S.R.

18/ U.S. production is natural only.

19/ Data for the United States exclude proprietary pyrophyllite production.