

Table 863. Mineral Production: 1990 to 2007
[1,029.1 represents 1,029,100,000. Data represent production as measured by mine shipments, mine sales, or marketable production; see Appendix IV]

Minerals and Metals	Unit	1990	2000	2005	2006	2007, est.
FUEL MINERALS						
Coal, total	Mil. sh. tons	1,029.1	1,073.6	1,131.5	1,162.7	1,145.6
Bituminous	Mil. sh. tons	693.2	574.3	571.2	561.6	534.9
Subbituminous	Mil. sh. tons	244.3	409.2	474.7	515.3	530.6
Lignite	Mil. sh. tons	88.1	85.6	83.9	84.2	78.5
Anthracite	Mil. sh. tons	3.5	4.6	1.7	1.5	1.6
Natural gas (marketed production)	Tril. cu. ft.	18.59	20.20	18.93	19.38	20.15
Petroleum (crude)	Mil. bbl. ¹	2,685	2,131	1,890	1,862	1,862
Uranium (recoverable content)	Mil. lb.	8.9	4.0	2.7	4.1	4.5
NONFUEL MINERALS						
Asbestos (sales)	1,000 metric tons	(D)	5	–	–	–
Barite, primary, sold/used by producers	1,000 metric tons	430	392	489	589	540
Boron minerals, sold or used by producers	1,000 metric tons	1,090	1,070	1,150	(D)	(D)
Bromine, sold or used by producers	1,000 metric tons	177	228	226	243	235
Cement:						
Portland ²	Mil. metric tons	67	84	94	93	90
Masonry ³	Mil. metric tons	3	4	5	5	4
Clays	1,000 metric tons	42,900	40,800	41,200	41,200	40,600
Diatomite	1,000 metric tons	631	677	653	799	830
Feldspar ⁴	1,000 metric tons	630	790	750	760	760
Fluorspar, finished shipments	1,000 metric tons	64	–	–	–	–
Garnet (industrial)	1,000 metric tons	47	60	40	34	34
Gypsum, crude	Mil. metric tons	15	20	21	21	22
Helium ⁵	Mil. cu. meters	65	98	76	79	80
Lime, sold or used by producers	Mil. metric tons	16	20	20	21	20
Mica, scrap & flake, sold/used by producers	1,000 metric tons	109	101	78	110	72
Peat, sales by producers	1,000 metric tons	721	847	751	734	747
Perlite, processed, sold or used	1,000 metric tons	576	672	508	454	444
Phosphate rock (marketable)	Mil. metric tons	46	39	36	30	30
Potash (K ₂ O equivalent) sales	1,000 metric tons	1,710	1,300	1,200	1,100	1,200
Pumice & pumicite, producer sales	1,000 metric tons	443	1,050	1,270	1,540	1,410
Salt, common, sold/used by producers	Mil. metric tons	37	46	45	44	44
Sand & gravel, sold/used by producer	Mil. metric tons	855	1,148	1,301	1,352	1,205
Construction	Mil. metric tons	829	1,120	1,270	1,320	1,170
Industrial	Mil. metric tons	26	28	31	32	35
Sodium carbonate (natural) (soda ash)	1,000 metric tons	9,100	10,200	11,000	11,000	11,100
Sodium sulfate (natural)	1,000 metric tons	349	(NA)	309	290	300
Stone ⁶	Mil. metric tons	1,110	2,810	3,060	3,050	2,940
Crushed and broken	Mil. metric tons	1,110	1,560	1,700	1,720	1,440
Dimension ⁷	1,000 metric tons	1,120	1,250	1,360	1,330	1,500
Sulfur: Total shipments	1,000 metric tons	11,500	10,700	9,480	8,960	8,860
Sulfur: Frasch mines (shipments)	1,000 metric tons	3,680	900	–	–	–
Talc and pyrophyllite, crude	1,000 metric tons	1,270	851	856	895	839
Vermiculite concentrate	1,000 metric tons	209	150	100	100	100
METALS						
Antimony ore and concentrate	Metric tons	(D)	(D)	–	–	–
Aluminum	1,000 metric tons	4,048	3,668	2,481	2,284	2,550
Bauxite (dried)	1,000 metric tons	(D)	(NA)	(NA)	(NA)	(NA)
Copper (recoverable content)	1,000 metric tons	1,590	1,450	1,140	1,200	1,180
Gold (recoverable content)	Metric tons	294	353	256	252	240
Iron ore (gross weight) ⁸	Mil. metric tons	57	61	53	53	49
Lead (recoverable content)	1,000 metric tons	484	449	426	419	420
Magnesium metal	1,000 metric tons	139	(D)	(D)	(D)	(D)
Manganiferous ore (gross weight) ⁹	1,000 metric ton	(D)	–	(NA)	(NA)	(NA)
Mercury	Metric tons	(NA)	(NA)	(NA)	(NA)	(NA)
Molybdenum (concentrate)	1,000 metric tons	62	41	58	60	59
Nickel ore (recovered Ni content)	1,000 metric tons	330	–	–	–	–
Palladium metal	Kilograms	5,930	10,300	13,300	14,400	13,500
Platinum metal	Kilograms	1,810	3,110	3,920	4,290	3,400
Silicon (Si content)	1,000 metric tons	418	367	270	146	156
Silver (recoverable content)	Metric tons	2,120	1,860	1,230	1,140	1,220
Titanium concentrate (TiO ₂ content)	1,000 metric tons	(D)	300	300	300	300
Tungsten ore and concentrate ¹¹	Metric tons	(D)	–	–	–	(D)
Zinc (recoverable content)	1,000 metric tons	515	805	748	727	740

– Represents zero. D Withheld to avoid disclosing individual company data. NA Not available. ¹ 42 gal. bbl. ² Data for 1990 includes Puerto Rico. ³ Excludes Puerto Rico for 2000–2006. ⁴ Beginning 2000, includes aplite. ⁵ Refined. ⁶ Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table; includes calcareous marl and slate. ⁷ Includes Puerto Rico in 1990. ⁸ Represents shipments; includes by-product ores. ⁹ 5- to 35-percent manganiferous ore. ¹⁰ Covers mercury recovered as a by-product of gold ores only. ¹¹ Content of ore and concentrate.

Source: Nonfuels, 1990 only, U.S. Bureau of Mines, thereafter, U.S. Geological Survey, *Minerals Yearbook* and *Mineral Commodity Summaries*, annual. See also <<http://minerals.er.usgs.gov/minerals/pubs/mcs/>>. Fuels, U.S. Energy Information Administration, *Annual Energy Review*, 2007; most recent year from “Monthly Energy Review” and “Annual Coal Report”; <<http://www.eia.doe.gov>>.