

Table 904. Mineral Production: 1990 to 2010

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

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

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

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

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