

**Table 899. Nonfuel Mineral Commodities—Summary: 2009**

[1,730 represents 1,730,000. Preliminary estimates. Average price in dollars per metric tons except as noted]

Mineral	Mineral disposition				Average price per unit (dollars)	Employment (number)	
	Unit	Net import reliance <sup>1</sup>		Consumption, apparent			
		Production	Exports				(percent)
Aluminum.....	1,000 metric tons...	1,730	2,710	5	3,110	<sup>2</sup> 0.79	45,000
Antimony (contained).....	Metric tons.....	<sup>3</sup> —	2,000	93	22,400	<sup>2</sup> 2.36	10
Asbestos.....	1,000 metric tons.....	—	(Z)	100	1	(NA)	—
Barite.....	1,000 metric tons.....	380	40	80	1,940	<sup>4</sup> 52.00	330
Bauxite and alumina (metal equivalent).....	1,000 metric tons.....	(NA)	503	100	2,310	<sup>4, 5</sup> 28.00	(NA)
Beryllium (contained).....	Metric tons.....	120	30	2	120	<sup>2</sup> 120	(NA)
Bismuth (contained).....	Metric tons.....	—	397	90	1,020	<sup>2</sup> 7.84	(NA)
Boron (B <sub>2</sub> O <sub>3</sub> content).....	1,000 metric tons.....	(D)	216	( <sup>6</sup> )	(D)	<sup>4, 7</sup> 430–500	1,200
Bromine (contained).....	1,000 metric tons.....	(D)	10	( <sup>8</sup> )	(D)	<sup>9, 10</sup> (NA)	1,000
Cadmium (contained).....	Metric tons.....	<sup>3</sup> 700	305	( <sup>6</sup> )	228	<sup>2, 11</sup> 1.22	(NA)
Cement.....	1,000 metric tons.....	<sup>12</sup> 71,800	800	8	73,800	<sup>4</sup> 100	14,000
Chromium.....	1,000 metric tons.....	<sup>19</sup> 160	50	39	260	(NA)	(NA)
Clays.....	1,000 metric tons.....	25,300	3,770	( <sup>6</sup> )	21,700	(NA)	875
Cobalt (contained).....	Metric tons.....	<sup>13</sup> 1,700	2,500	75	6,700	<sup>2</sup> 18.00	(NA)
Copper (mine, recoverable).....	1,000 metric tons.....	1,190	80	24	1,660	<sup>2</sup> 2.41	9.1
Diamond (industrial).....	Million carats.....	294	74	35	449	<sup>14</sup> 0.17	(NA)
Diatomite.....	1,000 metric tons.....	790	98	( <sup>6</sup> )	692	<sup>4</sup> 228	1,020
Feldspar.....	1,000 metric tons.....	530	4	( <sup>6</sup> )	528	<sup>4</sup> 65.00	570
Fluorspar.....	1,000 metric tons.....	(NA)	12	100	460	(NA)	—
Garnet (industrial).....	Metric tons.....	56,500	8,140	37	89,500	<sup>4</sup> 50–2,000	160
Gemstones.....	Million dollars.....	45.5	9,950	99	4,610	(NA)	1,200
Germanium (contained).....	Kilograms.....	4,600	13,900	90	(NA)	<sup>9</sup> 950	70
Gold (contained).....	Metric tons.....	210	385	( <sup>6</sup> )	(NA)	<sup>15</sup> 950	9,600
Graphite (crude).....	1,000 metric tons.....	—	8	100	13	<sup>4, 16</sup> 866	(NA)
Gypsum (crude).....	1,000 metric tons.....	9,400	120	19	21,000	<sup>4</sup> 8.50	4,500
Iodine.....	Metric tons.....	(D)	1,290	(D)	(D)	<sup>9, 17</sup> 19.88	30
Iron ore (usable).....	Million metric tons.....	<sup>18</sup> 28	5	( <sup>6</sup> )	26	<sup>4</sup> 70.00	3,200
Iron and steel scrap (metal).....	Million metric tons.....	78	22	( <sup>6</sup> )	(NA)	<sup>4, 19</sup> 195	30,000
Iron and steel slag (metal).....	1,000 metric tons.....	<sup>20</sup> 13	(Z)	8	13.0	<sup>4</sup> 23.00	2,000
Lead (contained).....	1,000 metric tons.....	400	360	( <sup>6</sup> )	1,420	<sup>2</sup> 0.87	2,840
Lime.....	1,000 metric tons.....	15,000	94	2	15,000	<sup>21</sup> 101	4,800
Magnesium compounds.....	1,000 metric tons.....	255	13	28	352	(NA)	300
Magnesium metal.....	1,000 metric tons.....	(D)	16	35	100	<sup>2</sup> 2.40	400
Manganese (gross weight).....	1,000 metric tons.....	—	19	100	390	<sup>22</sup> 5.77	(NA)
Mercury.....	Metric tons.....	<sup>13</sup> (NA)	700	( <sup>6</sup> )	(NA)	<sup>23</sup> 630	(NA)
Mica, scrap and flake.....	1,000 metric tons.....	90	8	11	101	<sup>4</sup> 146	(NA)
Molybdenum (contained).....	Metric tons.....	50,000	35,000	( <sup>6</sup> )	29,000	<sup>8</sup> 25.80	920
Nickel (contained).....	Metric tons.....	(D)	<sup>24</sup> 99,600	18	88,100	<sup>25</sup> 14,600	—
Niobium (contained).....	Metric tons.....	—	600	100	2,200	(NA)	(NA)
Nitrogen (fixed)-ammonia.....	1,000 metric tons.....	7,700	50	40	12,800	<sup>26</sup> 250	1,050
Peat.....	1,000 metric tons.....	610	80	60	1,530	<sup>4</sup> 26.5	610
Perlite.....	1,000 metric tons.....	380	35	21	480	<sup>4</sup> 49.00	97
Phosphate rock.....	1,000 metric tons.....	27,200	—	1	(NA)	<sup>4</sup> 50.00	2,600
Platinum-group metals.....	Kilograms.....	<sup>27</sup> 16,300	53,780	<sup>28</sup> 89	(NA)	<sup>15, 28, 29</sup> 1,187	1,000
Potash (K <sub>2</sub> O equivalent).....	1,000 metric tons.....	840	142	73	3,100	<sup>4, 30</sup> 820	1,075
Pumice and pumicite.....	1,000 metric tons.....	800	11	3	828	<sup>4</sup> 20.00	110
Salt.....	1,000 metric tons.....	46,000	1,100	19	56,900	<sup>4, 31</sup> 165	4,100
Silicon (contained) <sup>32</sup> .....	1,000 metric tons.....	<sup>33</sup> (D)	<sup>33, 34</sup> —	<sup>(33, 34)</sup> —	<sup>35</sup> 200	<sup>36</sup> 77.00	(NA)
Silver (contained).....	Metric tons.....	1,230	360	63	5,310	<sup>15</sup> 13.37	850
Sodium carbonate (soda ash).....	1,000 metric tons.....	9,310	4,410	( <sup>6</sup> )	4,950	<sup>37</sup> 260	2,500
Sodium sulfate.....	1,000 metric tons.....	300	100	( <sup>6</sup> )	280	<sup>38</sup> 127	225
Stone (crushed).....	Million metric tons.....	1,110	1	2	1,160	<sup>4</sup> 9.71	81,000
Sulfur (all forms).....	1,000 metric tons.....	9,800	1,580	4	10,200	<sup>4, 39</sup> 10.00	2,600
Talc.....	1,000 metric tons.....	527	190	( <sup>6</sup> )	435	<sup>4</sup> 123	280
Thallium (contained).....	Kilograms.....	—	350	100	(NA)	<sup>9</sup> 5,700	(NA)
Tin (contained).....	Metric tons.....	<sup>13</sup> 12,000	3,170	80	49,500	<sup>2</sup> 8.37	(NA)
Tungsten dioxide.....	1,000 metric tons.....	1,150	630	( <sup>6</sup> )	690	<sup>2, 40</sup> 1.10	3,800
Tungsten (contained).....	Metric tons.....	<sup>13</sup> 4,000	2,620	63	10,800	<sup>41</sup> 150	(NA)
Vermiculite.....	1,000 metric tons.....	110	6	39	180	<sup>4</sup> 144	80
Zinc (contained).....	1,000 metric tons.....	690	850	75	920	<sup>2, 42</sup> 0.78	1,540
Zirconium (ZrO <sub>2</sub> ).....	Metric tons.....	(D)	22,000	( <sup>6</sup> )	(D)	<sup>4, 43</sup> 830	(NA)

— Represents zero. D Withheld to avoid disclosure. NA Not available. Z Less than 500 metric tons.<sup>1</sup> Calculated as a percent of apparent consumption. <sup>2</sup> Dollars per pound. <sup>3</sup> Refinery production. <sup>4</sup> Dollars per metric ton. <sup>5</sup> Bauxite, average value U.S. imports (f.a.s.). <sup>6</sup> Net exporter. <sup>7</sup> Granulated pentahydrate borax in bulk, f.o.b. mine. <sup>8</sup> Less than 25,000 metric tons. <sup>9</sup> Dollars per kilogram. <sup>10</sup> Bulk, purified bromine. <sup>11</sup> 1- to 5-short ton lots. <sup>12</sup> Excludes Puerto Rico. <sup>13</sup> Secondary production. <sup>14</sup> Value of imports, dollars per carat. <sup>15</sup> Dollars per Troy ounce. <sup>16</sup> Price of flake imports. <sup>17</sup> C.i.f. value, crude, per kilogram. <sup>18</sup> Shipments of usable ore. <sup>19</sup> Delivered. No. 1 Heavy Melting composite price. <sup>20</sup> Sales include imports and reprocessed slag from past years and decades, and only some from current production. <sup>21</sup> Quicklime only. <sup>22</sup> 46–48 percent Mn metallurgical ore, per unit contained Mn, c.i.f. U.S. ports. <sup>23</sup> Dollars per 76-pound flask. <sup>24</sup> Exports include both primary and secondary materials. <sup>25</sup> London Metal Exchange cash price; dollars per metric ton. <sup>26</sup> F.o.b. Gulf Coast. <sup>27</sup> Platinum and palladium only. <sup>28</sup> Platinum only. <sup>29</sup> Dealer price of platinum. <sup>30</sup> Price of K2O, muriate. <sup>31</sup> Vacuum and open pan, bulk, pellets and packaged, f.o.b. mine and plant. <sup>32</sup> Ferrosilicon statistics include: Production (156,000 tons), exports (6,000 tons), and net import reliance (56%). <sup>33</sup> Silicon metal only. <sup>34</sup> Value is 50% or less. Silicon metal only. <sup>35</sup> Ferrosilicon only. <sup>36</sup> Ferrosilicon, 50 percent; cents per pound. <sup>37</sup> Quoted year-end price, dense, bulk, f.o.b. Green River, WY, dollars per short ton. <sup>38</sup> Quoted price, bulk, f.o.b. works, East, dollars per short ton. <sup>39</sup> Elemental sulfur, f.o.b. plant. <sup>40</sup> Yearend. Unit value based on landed-duty-paid U.S. imports for consumption of pigment with 80 percent or more TiO<sub>2</sub>. <sup>41</sup> Dollars per metric ton unit W03 (7.93 kilograms of contained tungsten per metric ton unit). <sup>42</sup> Platt's Metals Week North American price for Special High Grade zinc. <sup>43</sup> Price for imported zircon, f.o.b. U.S. East Coast.

Source: U.S. Geological Survey, *Mineral Commodity Summaries*, annual, January 2010. See also <<http://minerals.er.usgs.gov/minerals/pubs/mcs/>>.