

# Mineral Industry Surveys

For information, contact:

Thomas S. Jones, Manganese Commodity Specialist  
U.S. Geological Survey  
989 National Center  
Reston, VA 20192  
Telephone: (703) 648-4973, Fax: (703) 648-7757  
E-mail: [tjones@usgs.gov](mailto:tjones@usgs.gov)

Jesse J. Inestroza (Data)  
Telephone: (703) 648-7968  
Fax: (703) 648-7975

MINES FaxBack: (703) 648-4999  
Internet: <http://minerals.usgs.gov/minerals>

## MANGANESE IN MARCH 2000

In March, reported consumption of manganese ore containing 35% or more manganese, exclusive of that at iron and steel plants, was 41,000 metric tons, which was an increase of about 13% compared with that of the previous month, according to the U.S. Geological Survey. This brought the year-to-date total to 117,000 tons. The figures for March increase to 45,200 tons and 129,000 tons when estimates for annual respondents are added on the basis of 1998 data. Corresponding industry stocks of ore at the end of the month were 211,000 tons, which includes an estimate for annual respondents on the basis of 1998 data. This was a decrease of about 3% compared with the corresponding figure for stocks at the end of February. (Data for the most recent 13 months are plotted in the graph on page 2.)

Data for domestic consumption and stocks of manganese ferroalloys and metal in 1999 will appear in a subsequent monthly report.

Foreign trade data for March will appear in a subsequent report. Data for February are tabulated in this report. **Note:** For early availability, the trade data appearing in this report are being placed on MINES FaxBack in preliminary form. The data for February were placed on FaxBack as of April 25. The FaxBack document number for the March trade data will be 420203.

The Customs Service, U.S. Department of the Treasury, notified importers that it was again accepting claims for duty-free treatment under the Generalized System of Preferences (GSP) program and processing refunds for duties paid during the period that the GSP program temporarily had lapsed. This program had lapsed June 30, 1999, but it was renewed retroactively to this date

and made effective through September 30, 2001 (Customs Service, 2000). Categories of U.S. imports that may have been affected by these developments included manganese dioxide, permanganate, and sulfate; low- and medium-carbon ferromanganese; silicomanganese; and manganese metal, other.

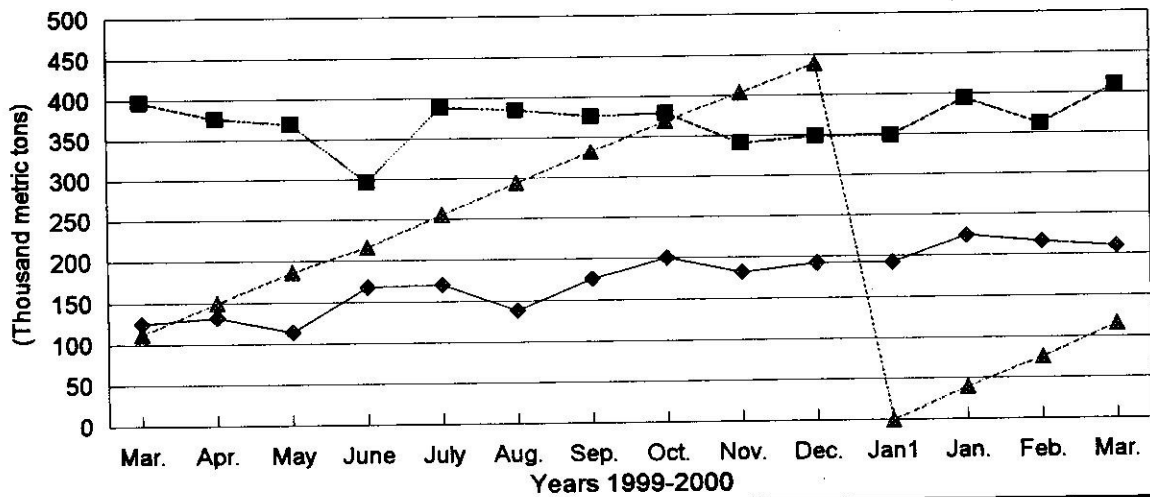
The Defense National Stockpile Center of the Defense Logistics Agency, U.S. Department of Defense, reported for March cash disposals from the National Defense Stockpile that consisted of 907 tons of chemical-grade ore and 2,722 tons of natural battery-grade ore. The disposal of chemical-grade ore was all to Prince Manufacturing Co., Quincy, IL, and that for battery-grade ore resulted from modification of existing contracts.

In France, Comilog, an Eramet subsidiary, announced that it will be shutting down one of the three blast furnaces of its Société du Ferromanganèse de Paris-Outreau (SFPO) plant at Boulogne-sur-Mer for the second half of 2000. During the shutdown, this furnace is to be modified so that it can take sintered ore from the Moanda Mine in Gabon, and a dry filtration system for environmental improvement will be installed. This shutdown will reduce SFPO's annual capacity for high-carbon ferromanganese by 50,000 tons (TEX Report, 2000).

### References Cited

- Customs Service, 2000, Renewal of the Generalized System of Preferences program: Federal Register, v. 65, no. 42, March 2, p. 11367-11368.  
TEX Report, 2000, Comilog/France revamps one blast furnace for Fe-Mn in 2nd half 2000: TEX Report, March 9, p. 12.

Manganese ore: U.S. reported consumption and industry stocks, exclusive of iron and steel plants 1/



■ Monthly consumption times 10    ◆ Stocks, end-of-month  
 ▲ Consumption for year to date

1/ Includes revisions, if any, for months prior to last month shown.

TABLE 1  
SELECTED U.S. FOREIGN TRADE IN MANGANESE 1/

(Metric tons, manganese content) 2/

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
1999: 3/						
February	17,900	40,700	58,700	13	1,160	1,170
January-February	38,400	89,000	127,000	107	3,010	3,120
2000:						
January	17,200 4/	27,600 4/	44,800	144	926	1,070
February	25,900 4/	38,100	64,000	202	1,380	1,580
Total	43,100	65,700	109,000	346	2,310	2,650

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ As reported except as estimated for imports of manganese dioxide and manganese waste and scrap and for exports from gross weights.

3/ Data may include revisions by the Bureau of the Census.

4/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 2  
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN FEBRUARY 2000 1/

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Australia	2,010	1,330	\$997,000	7,280	4,830	\$3,460,000
France	1,350	918	636,000	1,350	918	636,000
India	2,700	1,710	1,290,000	4,240	2,690	1,900,000
Kazakhstan	4,750	3,230	2,170,000	8,640	5,880	3,850,000
Mexico	3,730	2,420	1,740,000	10,700	6,970	4,780,000
Norway	1,400	848	953,000	1,400	848	953,000
South Africa	5,100	3,450	2,270,000	13,200	8,900	5,780,000
Venezuela	2,400	1,580	1,070,000	2,400	1,580	1,070,000
Total	23,400	15,500	11,100,000	49,200	32,600	22,400,000
Total, general imports	23,400	15,500	11,100,000	49,200	32,600	22,400,000

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: Bureau of the Census.

TABLE 3  
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN FEBRUARY 2000 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
<b>Low carbon:</b>						
China	122	104	\$130,000	477	441	\$541,000
Italy	731	642	858,000	1,260	1,090	1,380,000
Japan	--	--	--	1,510	1,220	1,160,000
Mexico	30	27	50,600	30	27	50,600
Norway	--	--	--	21	17	10,300
South Africa	150	140	243,000	230	218	378,000
Ukraine	180	171	203,000	240	228	275,000
Total, low carbon	1,210	1,090	1,480,000	3,770	3,240	3,800,000
Total, general imports of low carbon	1,210	1,090	1,480,000	3,770	3,240	3,800,000
<b>Medium carbon, 1%-2% C:</b>						
Mexico	1,340	1,070	771,000	4,580	3,690	2,790,000
South Africa	--	--	--	2,500	2,050	1,460,000
Total, m.c., 1%-2% C	1,340	1,070	771,000	7,080	5,740	4,250,000
Total, general imports of m.c., 1%-2% C	1,340	1,070	771,000	7,080	5,740	4,250,000
<b>Medium carbon, 2%-4% C:</b>						
South Africa	--	--	--	20	16	10,700
Total, m.c., 2%-4% C	--	--	--	20	16	10,700
Total, general imports of m.c., 2%-4% C	--	--	--	20	16	10,700
<b>High carbon:</b>						
Australia	2,010	1,540	771,000	3,320	2,530	1,240,000
Canada	36	28	26,200	36	28	26,200
France	11,700	9,160	4,920,000	11,700	9,160	4,920,000
South Africa	10,900	8,540	3,840,000	12,800	10,000	4,520,000
Total, high carbon	24,600	19,300	9,550,000	27,800	21,700	10,700,000
Total, general imports of high carbon	24,600	19,300	9,550,000	27,800	21,700	10,700,000
Grand total	27,200	21,400	11,800,000	38,700	30,700	18,700,000
Grand total, general imports	27,200	21,400	11,800,000	38,700	30,700	18,700,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: Bureau of the Census.

TABLE 4  
U.S. IMPORTS OF MANGANESE ORE (20% OR MORE MN) IN FEBRUARY 2000 1/2/

(Metric tons)

Source	20% - 47% Mn		47% or more Mn		Total	
	Gross weight	Mn content	Gross weight	Mn content	Gross weight	Mn content
Gabon	7,230 3/	3,180 3/	39,900	19,600	47,100	22,800
Mexico	245	108	-	-	245	108
Morocco	-	-	20	11	20	11
Total	7,480	3,290	39,900	19,700	47,400	22,900
Year to date:						
Gabon	25,400	11,200	53,600	26,400	79,000	37,600
India	18	112	-	-	18	112
Mexico	842	370	-	-	842	370
Morocco	-	-	20	11	20	11
Total	26,300	11,700	53,600	26,400	79,900	38,100

- Zero.

1/ Quantities for general imports and imports for consumption are identical.

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

3/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 5  
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE AND MANGANESE METAL IN FEBRUARY 2000 1/

(Metric tons, gross weight, unless otherwise specified)

Source	Manganese dioxide				Manganese metal			
	Quantity	Customs value	Year to date		Unwrought		Other	
			Quantity	Customs value	Quantity	Year to date	Quantity	Year to date
Australia	3,060	\$4,320,000	4,640	\$6,560,000	-	-	-	-
Belgium	55	99,100	75	128,000	-	-	-	-
China	5	6,750	42	46,900	216	394	34	75
France	-	-	-	-	-	-	9	20
Germany	16	85,900	17	91,000	37	56	(2/)	1
Greece	49	64,300	50	66,400	-	-	-	-
Ireland	810	1,080,000	1,620	2,250,000	-	-	-	-
Japan	-	-	-	-	-	-	(2/)	(2/)
Netherlands	-	-	-	-	-	-	-	13
South Africa	857	1,200,000	1,840	2,590,000	801	1,730	-	-
United Kingdom	111 3/	159,000 3/	111	164,000	76	95	-	-
Total	4,960	7,010,000	8,400	11,900,000	1,130	2,270	43	109
Total, general imports	5,000	7,060,000	8,470	12,000,000	1,130	2,270	43	109

- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

3/ All or part of these data have been referred to the Bureau of the Census for verification.

Note: Imports for consumption of metallic manganese waste and scrap totaled 52 tons, all of which was from Canada, to give a year-to-date total of 52 tons.

Source: Bureau of the Census.

TABLE 6  
 U.S. EXPORTS OF MANGANESE ORE (20% OR MORE MN), FERROMANGANESE,  
 SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN 2000 1/

(Metric tons, gross weight)

	Manganese ore		Ferromanganese, 2% or less C		Silicomanganese		Manganese metal 2/	
	February	Year to date	February	Year to date	February	Year to date	February	Year to date
Australia	135	142	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	19
Canada	269	550	891	1,370	364	637	141	195
Chile	-	-	-	-	-	-	-	4
Colombia	-	-	-	-	-	-	4	8
Finland	-	-	-	-	-	-	-	12
Italy	-	-	-	-	-	-	-	9
Japan	-	-	-	-	-	-	-	46
Korea, Republic of	-	-	-	-	-	-	2	3
Mexico	-	-	51	51	57	200	23	36
Taiwan	-	-	-	-	-	-	9	9
<b>Total</b>	<b>404</b>	<b>692</b>	<b>942</b>	<b>1,420</b>	<b>421</b>	<b>837</b>	<b>178</b>	<b>341</b>

- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes manganese-aluminum, some other alloys, and waste and scrap.

Note: Exports of ferromanganese with more than 2% carbon totaled 225 tons, all of which went to Canada, to give a year-to-date total of 369 tons.

Source: Bureau of the Census.

TABLE 7  
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN FEBRUARY 2000, BY CLASS 1/

Class	Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands) 2/	Year to date		Principal sources and destinations: gross weight (metric tons); value (thousands) 2/
				Gross weight (metric tons)	Value 2/ (thousands)	
<b>Imports for consumption:</b>						
Manganese oxides other than dioxide	117	\$138	Mexico 60; \$21	164	\$245	Mexico 60; \$21
Sulfates, basket category, including manganese sulfate	5,270	2,310	China 3,100; \$890	7,860	3,860	Mexico 3,540; \$1,760
Potassium permanganate	70	142	Czech Republic 34; \$66	155	280	Czech Republic 88; \$170
Manganites, manganates, and other permanganates	-	-	xx	-	-	xx
<b>Exports:</b>						
Manganese dioxide	239	213	Canada 175; \$76	597	567	Canada 352; \$149
Manganese oxides other than dioxide	789	921	Canada 384; \$151	1,580	1,570	Canada 760; \$297
Sulfates, basket category, including manganese sulfate	1,660	780	Canada 1,400; \$449	3,290	1,590	Canada 2,830; \$996
Potassium permanganate	116	177	Mexico 45; \$35	220	392	Mexico 73; \$87
Manganites, manganates, and other permanganates	31	209	United Kingdom 23; \$155	31	216	United Kingdom 23; \$155

xx Not Applicable. - Zero.

1/ Data are rounded to no more than three significant digits.

2/ For imports, Customs value; for exports, f.a.s. value.

Source: Bureau of the Census.