

# Mineral Industry Surveys

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## MANGANESE IN SEPTEMBER 2002

In September, reported consumption of manganese ore containing 35% or more manganese, exclusive of that consumed at iron and steel plants, was estimated as 31,000 metric tons (t), which was a 75% increase from that for the previous month, according to the U.S. Geological Survey. The figure for September increases to 33,400 t when estimates for annual respondents are added on the basis of 2000 data. Corresponding industry stocks of ore at the end of the month were 171,000 t, which include an estimate for annual respondents on the basis of 2000 data. This was a decrease of 8% from that of the previous month. (Data for the most recent 13 months are plotted in the graph on page 2.)

Foreign trade data for September will appear in a subsequent report. The data for August tabulated in this report indicate that the total imports for consumption, on a manganese content basis, increased by 37% from those for July 2002 (table 1). Total exports, on a manganese content basis, decreased by about 5% from those for the previous month.

On September 3, the International Trade Administration (ITA) of the U.S. Department of Commerce gave notice of the opportunity to request an administrative review of the antidumping order of silicomanganese from Ukraine for the period of review (POR) September 17, 2001, through August 31, 2002 (International Trade Administration, 2002a). Interested parties had until September 30, 2002, to make such a request. The ITA issued a similar notice in October regarding the suspension agreement covering silicomanganese from Ukraine for the POR October 1, 2001, through September 30, 2002 (International Trade Administration, 2002b). Interested

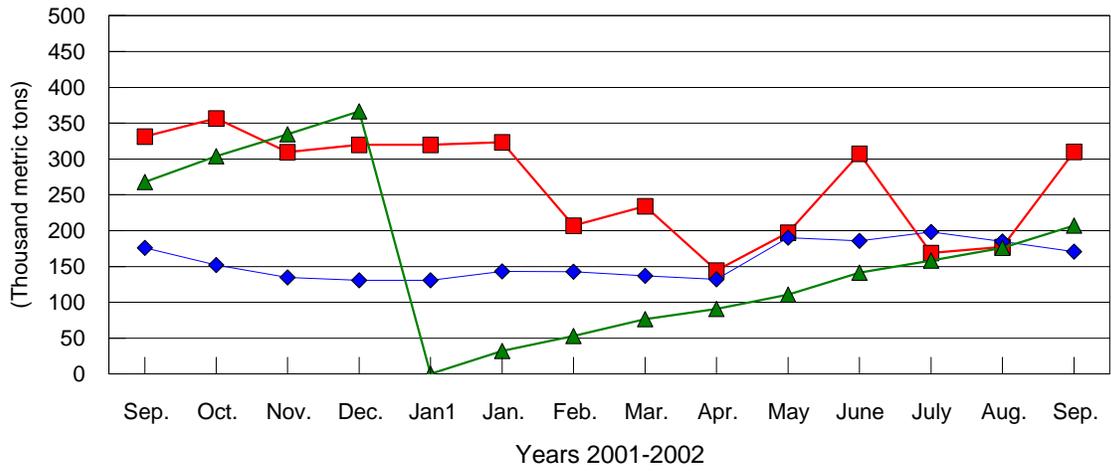
parties had until October 31, 2002, to make a request for administrative review of the suspension agreement.

Highlanders Alloys LLC resumed silicomanganese production at its New Haven, WV, plant in early September after temporary shutdown in June 2002 (TEX Report, 2002b). In late September, Eramet SA restarted the HF7 furnace at partial capacity at its ferromanganese plant in Boulogne, France (TEX Report 2002a). The furnace had been shut down by an explosion in June 2002. The Yunnan Provincial Geological Survey reported the discovery of a new, high-quality manganese deposit in August 2002 in the Yunnan Province of southwest China (Mining Journal, 2002). The preliminary resource estimate for the deposit is over 57.51 million metric tons.

### References Cited

- International Trade Administration, 2002a, Antidumping or countervailing duty order, finding, or suspended investigation—Opportunity to request administrative review: Federal Register, v. 67, no. 170, September 3, p. 56267-56268.
- International Trade Administration, 2002b, Antidumping or countervailing duty order, finding, or suspended investigation—Opportunity to request administrative review: Federal Register, v. 67, no. 191, October 2, p. 61849-61850.
- Mining Journal, 2002, Chinese manganese discovery: Mining Journal, v. 339, no. 8701, September 6, p. 170.
- Tex Report, 2002a, Eramet/France resumed to operate one blast furnace for Fe-Mn: Tex Report, v. 34, no. 8130, September 30, p. 6.
- Tex Report, 2002b, Highlanders/USA resumed on end last week to operate one electric furnace for Si-Mn: TEX Report, v. 34, no. 8119, September 11, p. 1.

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



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

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
2001:						
August	22,300 3/	45,800	68,100	1,040	713	1,750
January-August	176,000	279,000	454,000	3,320	6,460	9,780
2002:						
January	23,900	42,200	66,100	775	1,050	1,830
February	34,400	29,700	64,000	453	774	1,230
March	19,300	19,000	38,300	401	930	1,330
April	34,600	35,500	70,100	775	919	1,700
May	1,670	16,800	18,500	643	806	1,450
June	36,100 3/	21,100	57,100	774	1,020	1,800
July	23,600 3/	28,700	52,300	876	728	1,600
August	15,000	34,900 3/	49,900	1,380	818	2,200
Total	188,000	228,000	416,000	6,080	7,050	13,100

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

Source: U.S. Census Bureau.

TABLE 2  
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN AUGUST 2002 1/

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Australia	8,440	5,680	\$3,540,000	34,400	22,900	\$14,200,000
Brazil	--	--	--	3	2	2,960
Canada	92	69	60,900	419	293	174,000
France	4,000	2,640	1,890,000	4,000	2,640	1,890,000
Georgia	--	--	--	4,860	3,680	2,180,000
India	--	--	--	770	424	446,000
Korea, Republic of	--	--	--	3,000	1,980	1,250,000
Mexico	2,300	1,500	1,110,000	4,800	3,140	2,320,000
Norway	1,500	900	923,000	6,210	3,680	3,710,000
Romania	--	--	--	7,290	4,800	3,340,000
South Africa	3,780	2,510	1,540,000	72,600	48,600	30,100,000
Spain	410	256	300,000	1,430	885	919,000
Total	20,500	13,600	9,370,000	140,000	93,000	60,400,000
Total, general imports	21,000	13,900	9,680,000	140,000	93,400	60,800,000

-- Zero.

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

Source: U.S. Census Bureau.

TABLE 3  
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN AUGUST 2002 1/

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
<b>Low carbon:</b>						
Canada	4	3	\$3,110	25	20	\$19,700
China	402	370	394,000	1,670	1,550	1,680,000
Japan	54	49	56,000	2,150	1,140	1,510,000
Mexico	--	--	--	19	16	25,500
Norway	--	--	--	511	414	388,000
South Africa	180	166	218,000	3,780	3,490	4,650,000
Spain	36	29	27,500	36	29	27,500
Total, low carbon	676	617	699,000	8,190	6,660	8,300,000
Total, general imports of low carbon	676	617	699,000	8,190	6,660	8,300,000
<b>Medium carbon, 1%-2% C:</b>						
Austria	40	32	24,100	40	32	24,100
Brazil	--	--	--	40	30	36,100
China	--	--	--	1,500	1,200	796,000
Japan	--	--	--	22	18	22,900
Korea, Republic of	--	--	--	1,500	1,200	780,000
Mexico	187	141	158,000	3,290	2,580	2,370,000
Norway	1,180	881	485,000	2,280	1,780	1,040,000
South Africa	1,280	1,050	726,000	13,300	10,800	6,760,000
Spain	652	407	477,000	652	407	477,000
Total, m.c., 1%-2% C	3,340	2,510	1,870,000	22,600	18,100	12,300,000
Total, general imports of m.c., 1%-2% C	3,340	2,510	1,870,000	22,600	18,100	12,300,000
<b>Medium carbon, 2%-4% C:</b>						
Ukraine	3,050 2/	300 2/	1,100,000 2/	3,050	300	1,100,000
Total, general imports of m.c., 2%-4% C	3,050	300	1,100,000	3,050	300	1,100,000
<b>High carbon:</b>						
Australia	1,300	985	385,000	1,300	985	385,000
Austria	20	15	11,600	20	15	11,600
Brazil	2,600	2,020	972,000	5,210	4,060	1,870,000
Canada	54	41	27,800	54	41	27,800
France	3,500	2,740	1,340,000	21,800	18,000	7,750,000
India	--	--	--	19,700	15,000	7,710,000
South Africa	13,200	10,300	5,070,000	73,300	57,300	26,600,000
Total, high carbon	20,700	16,100	7,810,000	121,000	95,400	44,300,000
Total, general imports of high carbon	20,700	16,100	7,810,000	121,000	95,400	44,300,000
Grand total	27,700	19,500	11,500,000	155,000	120,000	66,000,000
Grand total, general imports	27,700	19,500	11,500,000	155,000	120,000	66,000,000

-- Zero.

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

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

Source: U.S. Census Bureau.

TABLE 4  
U.S. IMPORTS OF MANGANESE ORE (20% OR MORE Mn) IN AUGUST 2002 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
Australia	--	--	1,310	764	1,310	764
Belgium	--	--	18	13	18	13
Morocco	--	--	20	11	20	11
South Africa	--	--	26,900	12,800	26,900	12,800
Total	--	--	28,200	13,600	28,200	13,600
Year to date:						
Australia	--	--	22,700	12,000	22,700	12,000
Belgium	--	--	127	89	127	89
Brazil	29,900	12,800	34	34	29,900	12,800
France	--	--	10	10	10	10
Gabon	45,100	19,800	164,000	87,500	209,000	107,000
Mexico	2,910	1,100	--	--	2,910	1,100
Morocco	--	--	40	21	40	21
South Africa	--	--	86,500	41,800	86,500	41,800
Total	77,900	33,700	273,000	141,000	351,000	175,000

-- 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.

Source: U.S. Census Bureau.

TABLE 5  
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE AND MANGANESE METAL IN AUGUST 2002 1/

(Metric tons, gross weight, unless otherwise specified)

Source	Manganese dioxide				Manganese metal			
	Quantity	Year to date		Unwrought		Other		
		Customs value	Quantity	Customs value	Quantity	Year to date	Quantity	Year to date
Australia	1,030	\$1,410,000	14,200	\$19,600,000	--	--	--	--
Belgium	69	129,000	415	745,000	--	--	--	(2/)
Canada	--	--	--	--	--	(2/)	--	16
China	40	41,800	415	531,000	525	2,880	14	88
France	--	--	--	--	--	--	--	43
Germany	--	--	47	165,000	206	2,570	5	22
Greece	--	--	390	502,000	--	--	--	--
Ireland	482	648,000	4,120	5,410,000	--	--	--	--
Japan	69	112,000	1,140	1,920,000	--	--	--	11
Mexico	--	--	25	184,000	--	--	--	--
Netherlands	--	--	91	122,000	--	--	--	62
Poland	--	--	--	--	--	--	--	20
South Africa	694	971,000	1,100	1,640,000	1,050	7,420	--	--
Spain	--	--	--	--	--	136	--	--
United Kingdom	--	--	93	130,000	6	46	--	(2/)
Total	2,380	3,310,000	22,100	31,000,000	1,790	13,100	19	262
Total, general imports	2,380	3,310,000	22,100	31,000,000	1,790	13,100	19	263

-- Zero.

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

2/ Less than 1/2 unit.

Note: No imports for consumption of metallic manganese waste and scrap were reported, to keep a year-to-date total of 2,000 tons.

Source: U.S. Census Bureau.

TABLE 6  
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE Mn), FERROMANGANESE,  
SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN 2002 1/

(Metric tons, gross weight)

	Manganese ore		Ferromanganese, 2% or less C		Silicomanganese		Manganese metal 2/	
	August	Year to date	August	Year to date	August	Year to date	August	Year to date
Australia	--	140	--	5	5	21	--	--
Belgium	--	--	--	--	--	--	5	465
Brazil	--	151	--	8	--	11	--	4
Canada	220	2,020	240	4,430	38	243	22	145
China	--	1,190	--	--	--	--	--	67
Colombia	--	--	--	--	--	--	--	8
Dominican Republic	--	22	--	--	--	--	--	--
Ecuador	--	--	--	--	--	--	--	1
France	--	--	--	--	--	22	--	--
Germany	534	1,760	--	--	--	--	--	9
Ghana	--	--	--	16	--	--	--	--
Hong Kong	--	18	--	--	--	1	(3/)	(3/)
Indonesia	--	30	--	--	--	4	--	--
Italy	580	1,260	--	--	--	--	--	15
Japan	--	--	--	60	--	--	74	686
Korea, Republic of	39	48	--	--	--	--	4	19
Malaysia	--	--	--	--	--	--	4	4
Mexico	544	1,990	271	347	--	67	--	45
Netherlands	529	1,590	--	--	--	4	--	2
Norway	--	457	--	--	--	--	--	3
Poland	291	610	--	--	--	--	--	--
Saudi Arabia	--	--	--	--	--	--	--	20
Singapore	--	--	--	--	--	--	--	(3/)
Spain	--	--	--	--	--	8	--	--
Sri Lanka	--	--	--	--	--	5	--	--
Sweden	19	390	--	--	--	--	19	55
Switzerland	--	89	--	--	--	--	--	--
Taiwan	--	15	--	--	--	--	5	26
Turkey	--	--	3	3	--	--	--	--
United Kingdom	--	265	--	--	--	--	--	(3/)
Venezuela	--	119	--	7	--	--	--	--
Total	2,760	12,100	514	4,870	43	386	133	1,570

-- 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.

3/ Less than 1/2 unit.

Note: Exports of ferromanganese with more than 2% carbon totaled 318 tons, all of which went to Canada, to give a year-to-date total of 1,740 tons.

Source: U.S. Census Bureau.

TABLE 7  
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN AUGUST 2002, BY CLASS 1/

Class	Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value 2/ (thousands)	Year to date		Principal sources and destinations: gross weight (metric tons); value 2/ (thousands)
				Gross weight (metric tons)	Value 2/ (thousands)	
<b>Imports for consumption:</b>						
Manganese oxides other than dioxide	93	\$146	South Africa 54; \$131	1,500	\$1,470	Mexico 947; \$329
Sulfates, basket category, including manganese sulfate	3,620	1,640	Mexico 1,590; \$813	25,000	15,000	Mexico 12,100; \$6,170
Potassium permanganate	116	228	Czech Republic 61; \$120	1,140	1,910	Czech Republic 489; \$938
Manganites, manganates, and other permanganates	100	403	Germany 81; \$390	156	456	Germany 81; \$390
<b>Exports:</b>						
Manganese dioxide	310	357	Canada 141; \$48	2,470	2,420	Canada 1,500; \$510
Manganese oxides other than dioxide	622	527	Canada 437; \$176	3,430	3,400	Canada 2,240; \$889
Sulfates, basket category, including manganese sulfate	1,010	695	Canada 683; \$204	13,100	7,720	Canada 11,000; \$3,210
Potassium permanganate	86	138	Canada 33; \$60	451	920	Canada 239; \$422
Manganites, manganates, and other permanganates	18	92	Japan 16; \$77	166	860	Japan 93; \$455

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

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

Source: U.S. Census Bureau.