



Mineral Industry Surveys

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IRON ORE IN JANUARY 2003

U.S. mine production of iron ore in January 2003, on a daily average basis, was 8% lower than that of the prior month, according to the U.S. Geological Survey. Shipments decreased by 43% compared with those of December 2002. Mine stocks at the end of the month were 45% higher than at the end of the previous month. Consumption and trade data for January 2003 will be included in a subsequent issue.

Note

All data in this report have been rounded to no more than three significant digits. Totals and percentages were calculated by using unrounded data.

TABLE 1
U.S. PRODUCTION AND SHIPMENTS OF IRON ORE 1/ 2/
(Exclusive of ore containing 5% or more of manganese)

(Thousand metric tons)

Period	Production		Shipments	
	Monthly	Year to date	Monthly	Year to date
2002:				
January	3,700	3,700	2,530	2,530
February	3,200	6,890	1,360	3,890
March	3,660	10,600	2,200	6,090
April	3,840	14,400	4,360	10,400
May	4,850	19,200	5,320	15,800
June	4,870	24,100	5,810	21,600
July	4,430	28,500	5,720	27,300
August	4,580	33,100	5,530	32,800
September	4,270	37,400	4,910	37,700
October	4,650	42,000	4,790	42,500
November	4,740	46,800	4,480	47,000
December	4,700	51,500	5,040	52,000
2003:				
January	4,310	4,310	2,880	2,880

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

2/ Excludes byproduct ores.

TABLE 2
U.S. PRODUCTION, SHIPMENTS, AND STOCKS OF IRON ORE IN JANUARY 1/ 2/

(Thousand metric tons)

State	Production		Shipments 3/		Stocks 4/	
	2003	2002	2003	2002	2003	2002
Michigan	900	476	909	624	1,020	1,440
Minnesota	3,410	3,220	1,980	1,900	3,630	3,540
Total	4,310	3,700	2,880	2,530	4,640	4,980

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

2/ Excludes byproduct ore.

3/ Includes rail and vessel.

4/ Includes mines, plants, and loading docks.

TABLE 3
CANADA: SHIPMENTS OF IRON ORE 1/

(Thousand dry metric tons)

Period	Newfoundland	Quebec	British Columbia	Total
2001:				
December	1,390	756	5	2,150
Year total	17,300	9,560	72	27,000
2002:				
January	782	630	10	1,420
February	355	699	10	1,060
March	1,060	771	5	1,840
April	1,490	913	9	2,410
May	2,390	1,240	8	3,630
June	1,530	828	6	2,370
July	2,290	1,020	7	3,320
August	1,770	940	9	2,720
September	1,970	1,250	7	3,220
October	2,040	1,180	8	3,220
November	2,100	1,390	7	3,500
December	1,100	1,020	5	2,120
Year total	18,900	11,900	91	30,800

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

Source: Natural Resources Canada.

TABLE 4
CONSUMPTION AND STOCKS OF IRON ORE AND
BLAST FURNACE PRODUCTION OF HOT METAL AT U.S. IRON AND STEEL PLANTS 1/ 2/

(Thousand metric tons)

Consumption by source	Consumption of ores and agglomerates			
	December		January-December	
	2002	2001	2002	2001
United States ores	3,770	3,290	47,000	51,400
Canadian ores	416	277	4,440	4,160
Foreign ores	664	443	7,390	6,310
Total	4,850	4,010	58,800	61,900
Consumption by process				
Blast furnaces	4,350	3,670	52,900	57,300
Steel furnaces	40	3	300	35
Agglomerating plants 3/	465	336	5,620	4,560
Miscellaneous 4/	--	--	2	--
Total	4,850	4,010	58,800	61,900
Stocks of ores and agglomerates.				
Storage point	December 31			
	2002	2001		
Furnace yards	12,400	12,300		
Receiving/transfer docks	1,820	1,960		
Total consumer	14,200	14,200		
Blast furnace production of hot metal				
Hot metal and pig iron produced in blast furnaces	December		January-December	
	2002	2001	2002	2001
No. of blast furnaces operating on the last day of the month	29	27	XX	XX

XX Not applicable. -- Zero.

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

2/ Includes agglomerates.

3/ Iron ore and iron ore concentrates consumed in agglomerating plants not located at the mine or plant site.

4/ Sold to nonreporting companies or used for purposes not listed.

Sources: American Iron Ore Association (consumption of iron ore) and American Iron and Steel Institute (production of hot metal and pig iron).

TABLE 5
U.S. EXPORTS OF IRON ORE, BY COUNTRY OF DESTINATION AND TYPE 1/ 2/

(Thousand metric tons)

Country of destination and type	2002				
	1st quarter	2nd quarter	3rd quarter	November	December
Canada	738	2,050	2,440	450	672
Mexico	(3/)	10	29	2	4
Other	1	2	5	1	(3/)
Total	739	2,060	2,480	452	676
Pellets	736	2,020	2,390	448	669
Other	3	36	83	4	7
Total	739	2,060	2,480	452	676

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

2/ Includes agglomerates.

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF IRON ORE, BY COUNTRY AND TYPE 1/ 2/
(Exclusive of ore containing 20% or more manganese)

Country of origin and type of product	2002					2001
	December		Year to date			January-December
	Thousand metric tons	Value 3/ (thousand dollars)	Thousand metric tons	Value 3/ (thousand dollars)	Value 3/ (dollars per ton)	Thousand metric tons
Australia	60	520	567	5,390	9.50	576
Brazil	535	13,600	5,750	135,000	23.52	4,260
Canada	770	21,500	5,540	157,000	28.38	4,530
Chile	44	939	319	6,750	21.16	711
Norway	--	--	15	322	21.07	26
Peru	--	--	86	1,090	12.77	71
Sweden	--	--	44	1,040	24.00	70
Other	21	502	142	5,830	41.17	411
Total	1,430	37,100	12,500	313,000	25.11 4/	10,700
Concentrates	44	939	431	9,680	22.45	598
Coarse ores	3	145	6	249	42.75	28
Fine ores	199	2,870	3,370	53,300	15.82	4,050
Pellets	1,150	32,600	8,250	240,000	29.09	5,500
Briquettes	--	--	39	3,120	81.00	65
Other agglomerates	34	542	355	6,140	17.28	397
Roasted pyrites	--	--	12	361	31.26	7
Total	1,430	37,100	12,500	313,000	25.11 4/	10,700

-- Zero.

1/ Data, with the exception of the dollars per ton column, are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes agglomerates.

3/ Customs value. Excludes international freight, insurance, and other c.i.f. charges.

4/ Weighted average calculated by dividing total value by total tonnage.

Source: U.S. Census Bureau.

TABLE 7
U.S. IMPORTS FOR CONSUMPTION OF IRON ORE IN DECEMBER 2002 1/ 2/
(Exclusive of ore containing 20% or more manganese)

(Thousand metric tons)

Country of origin	Type of product						Total
	Concentrates	Coarse ores	Fine ores	Pellets	Briquettes and other agglomerates	Roasted pyrites	
Brazil	--	--	121	414	--	--	535
Canada	--	--	1	735	34	--	770
Other	44	3	78	--	--	--	125
Total	44	3	199	1,150	34	--	1,430

-- Zero.

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

2/ Includes agglomerates.

Source: U.S. Census Bureau.

TABLE 8
U.S. IMPORTS FOR CONSUMPTION OF PELLETS, BY COUNTRY 1/

Country of origin	2002					2001
	December		Year to date			January-December
	Thousand metric tons	Value 2/ (thousand dollars)	Thousand metric tons	Value 2/ (thousand dollars)	Value 2/ (dollars per ton)	Thousand metric tons
Brazil	414	11,600	3,220	91,500	28.45	1,360
Canada	735	20,900	5,040	149,000	29.50	3,810
Other	--	--	--	--	--	334
Total	1,150	32,600	8,250	240,000	29.09 3/	5,500

-- Zero.

1/ Data, with the exception of the dollars per ton column, are rounded to no more than three significant digits; may not add to totals shown.

2/ Customs value. Excludes international freight, insurance, and other c.i.f. charges.

3/ Weighted average calculated by dividing total value by total tonnage.

TABLE 9
U.S. IMPORTS FOR CONSUMPTION OF IRON ORE,
BY CUSTOMS DISTRICT 1/ 2/
(Exclusive of ore containing 20% or more manganese)

(Thousand metric tons)

Customs district	December	January-December	
	2002	2002	2001
Baltimore, MD (13)	343	4,290	3,720
Buffalo, NY (09)	1	7	--
Charleston, SC (16)	55	290	94
Chicago, IL (39)	130	945	1,330
Cleveland, OH (41)	340	1,630	630
Columbia - Snake, OR (29)	--	28	--
Detroit, MI (38)	23	303	905
Houston - Galveston, TX (53)	--	40	82
Laredo, TX (23)	--	24	17
Los Angeles, CA (27)	--	(3/)	1
Miami, FL (52)	--	4	--
Mobile, AL (19)	120	1,150	673
New Orleans, LA (20)	418	3,690	2,940
New York City, NY (10)	--	--	(3/)
Philadelphia, PA (11)	--	7	80
Providence, RI (05)	--	34	--
San Diego, CA (25)	--	--	7
San Juan, PR (49)	--	10	--
Savannah, GA (17)	--	--	24
Tampa, FL (18)	--	10	154
Total	1,430	12,500	10,700

-- Zero.

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

2/ Includes agglomerates.

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 10
U.S. IMPORTS FOR CONSUMPTION OF PELLETS,
BY CUSTOMS DISTRICT 1/

(Thousand metric tons)

Customs district	December	January-December	
	2002	2002	2001
Baltimore, MD (13)	181	1,780	1,360
Charleston, SC (16)	55	289	53
Chicago, IL (39)	78	278	802
Cleveland, OH (41)	340	1,630	630
Detroit, MI (38)	23	279	905
Houston-Galveston, TX (53)	--	29	50
Laredo, TX (23)	--	24	17
Mobile, AL (19)	120	1,080	370
New Orleans, LA (20)	354	2,860	1,300
Savannah, GA (17)	--	--	24
Total	1,150	8,250	5,500

--Zero.

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

Source: U.S. Census Bureau.