Mineral Industry Surveys

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IRON AND STEEL SCRAP IN JANUARY 2003

On a daily average basis in January 2003, estimated consumption of iron and steel scrap was up 3% compared with that of December 2002, according to the U.S. Geological Survey. Production of home scrap was up 1%, net receipts of purchased scrap were up 4% and stocks of purchased and home scrap at the end of the month were about the same. These observations are based upon responses from 54% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent 38% of the total scrap consumption in those sectors, and estimates for nonrespondents to this survey.

On a daily average basis, pig iron production and consumption were each up 2% compared with those of December 2002. Stocks of pig iron at month's end were up 6%.

Exports of iron and steel scrap for the month of December 2002 increased 48% from those of November 2002. China was the leading country of destination, accounting for 33% of the total tonnage of exports, followed by the Republic of Korea with 28%, and Mexico with 16% (table 6). New York, NY, was the leading U.S. Customs district for tonnage of exports, accounting for 25% of the total, followed by Providence, RI, with 24% and San Francisco, CA, with 14% (table 7).

Imports of iron and steel scrap for December 2002 increased 7% compared with those of November 2002. Canada was the leading country of origin, accounting for 95% of the total tonnage of imports, followed by Mexico with 3% and the Dominican Republic with 1% (table 9). Detroit, MI, was the leading Customs district for tonnage of imports, accounting for 34% of the total, followed by Chicago, IL, with 21% and Charleston, SC, with 14% (table 10).

The daily average domestic raw steel production for January 2003, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, amounted to 252,000 metric tons, up 3% from 244,000 tons in December 2002 and up 7% from 236,000 in January 2002 (table 12). The electric furnace portion of raw steel production for January 2003 was 52.9%, up from 50.1% in December 2002 and from 50.9% in January 2002.

Raw steel capability utilization (AISI data) in January 2003 was 83.1%, down from 83.9% of December 2002 and from 84.5% in January 2002 (table 12). Continuous cast steel production in the United States accounted for 97.1% of total raw steel production in January 2003, up from 97.0% in December 2002 and equal to that of January 2002.

TABLE 1
IRON AND STEEL SCRAP, PIG IRON, AND DIRECT-REDUCED IRON STATISTICS FOR STEEL PRODUCERS 1/ 2/

(Thousand metric tons)

	January 2003			Year to date p/		
	Integrated steel producers 3/	Electric furnace steel producers 4/	Total for steel producers	Integrated steel producers 3/	Electric furnace steel producers 4/	Total for steel producers
Scrap:						
Receipts from dealers and other sources	1,100	2,500	3,600	1,100	2,500	3,600
Receipts from other own company plants	W	W	118	W	W	118
Production recirculating scrap	685	382	1,100	685	382	1,100
Production obsolete scrap	9	2	12	9	2	12
Consumption (by type of furnace):						
Blast furnace	(5/)	--	(5/)	(5/)	--	(5/)
Basic oxygen process	W	W	1,200	W	W	1,200
Electric furnace	W	W	3,600	W	W	3,600
Other (including air furnace) 6/	(5/)	--	(5/)	(5/)	--	(5/)
Total consumption	1,600	3,100	4,700	1,600	3,100	4,700
Shipments	126	4	130	126	4	130
Stocks end of month	2,200	2,100	4,300	XX	XX	XX
Pig iron (includes hot metal):						
Receipts	756	135	891	756	135	891
Production	W	W	2,700	W	W	2,700
Consumption (by type of furnace):						
Basic oxygen process	W	W	3,500	W	W	3,500
Direct castings 7/	(5/)	(5/)	(5/)	(5/)	(5/)	(5/)
Electric furnace	W	W	(5/)	W	W	(5/)
Total consumption	3,400	87	3,500	3,400	87	3,500
Shipments	(8/)	(8/)	(8/)	(8/)	(8/)	(8/)
Stocks end of month	W	W	697	XX	XX	XX
Direct-reduced iron: 9/						
Receipts	108	80	19	108	80	19
Total consumption	121	65	186	121	65	186
Shipments	1	--	1	1	--	1
Stocks end of month	204	55	260	XX	XX	XX

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total for steel producers" and/or "Total consumption." XX Not applicable. -- Zero.

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

2/ Includes manufacturers of raw steel that also produce steel castings. January 2003 data are based on returns from 54% of monthly respondents, representing 38% of scrap consumption during this month, and estimates for nonrespondents of this survey.

3/ Includes data for electric furnaces operated by integrated steel producers.

4/ Includes minimill and specialty steel producers; includes data for other furnaces operated by these steel producers.

5/ Withheld to avoid disclosing company proprietary data; included in "Consumption: Basic oxygen process."

6/ Includes vacuum melting furnaces and miscellaneous uses.

7/ Includes ingot molds and stools.

8/ Withheld to avoid disclosing company proprietary data.

9/ Includes direct-reduced iron, hot-briquetted iron, and iron carbide. Domestic production data are included in "Receipts."

TABLE 2

RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, CONSUMPTION, AND STOCKS OF IRON AND STEEL SCRAP, BY GRADE, FOR STEEL PRODUCERS 1/ 2/

(Thousand metric tons)

Item	January 2003				Year to date p/		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap 3/	Ending stocks	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap 3/
Carbon steel:							
Low-phosphorus plate and punchings	20	W	23	13	20	W	23
Cut structural and plate	360	78	418	260	360	78	418
No. 1 heavy melting steel	410	279	730	589	410	279	730
No. 2 heavy melting steel	479	42	501	415	479	42	501
No. 1 and electric furnace bundles	387	W	514	300	387	W	514
No. 2 and all other bundles	72	W	74	43	72	W	74
Electric furnace 1 foot and under (not bundles)	--	W	W	W	--	W	W
Railroad rails	13	W	19	8	13	W	19
Turnings and borings	167	4	177	118	167	4	177
Slag scrap	72	139	175	139	72	139	175
Shredded and fragmentized	790	W	920	511	790	W	920
No. 1 busheling	404	10	444	282	404	10	444
Steel cans (post consumer)	20	W	23	W	20	W	23
All other carbon steel scrap	187	199	359	395	187	199	359
Stainless steel scrap	66	19	87	43	66	19	87
Alloy steel scrap	12	42	54	41	12	42	54
Ingot mold and stool scrap	W	10	6	17	W	10	6
Machinery and cupola cast iron	W	W	W	W	W	W	W
Cast iron borings	28	W	23	19	28	W	23
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	31	28	49	W	31	28	49
Other mixed scrap	81	28	105	595	81	28	105
Total	3,600	1,100	4,700	4,300	3,600	1,100	4,700

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

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

2/ Includes manufacturers of raw steel that also produce steel castings.

3/ Includes recirculating scrap and home-generated obsolete scrap.

4/ Less than 1/2 unit.

TABLE 3

RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, AND CONSUMPTION OF IRON AND STEEL SCRAP, BY REGION AND STATE, FOR STEEL PRODUCERS 1/ 2/

(Thousand metric tons)

Region and State	January 2003: Receipts of scrap from brokers, dealers, and other outside sources	January 2003: Production of home scrap (recirculating scrap resulting from current operations)	January 2003: Consumption of purchased and home scrap 3/	Year to date p/: Receipts of scrap from brokers, dealers, and other outside sources	Year to date p/: Production of home scrap (recirculating scrap resulting from current operations)	Year to date p/: Consumption of purchased and home scrap 3/
Mid-Atlantic and New England:						
New Jersey and New York	W	W	W	W	W	W
Pennsylvania	W	W	W	W	W	W
Total	397	170	608	397	170	608
North Central:						
Illinois and Indiana	468	373	836	468	373	836
Iowa, Minnesota, Missouri, Nebraska, Wisconsin	235	21	254	235	21	254
Michigan	182	96	217	182	96	217
Ohio	508	118	576	508	118	576
Total	1,400	608	1,900	1,400	608	1,900
South Atlantic:						
Delaware, Maryland, Virginia, West Virginia	180	71	246	180	71	246
Florida, Georgia, North Carolina, South Carolina	311	31	335	311	31	335
Total	492	102	580	492	102	580
South Central:						
Alabama, Kentucky, Mississippi, Tennessee	416	51	501	416	51	501
Arkansas, Louisiana, Oklahoma, Texas	572	74	739	572	74	739
Total	988	125	1,200	988	125	1,200
Mountain and Pacific:						
Arizona, California, Colorado, Oregon, Utah, Washington	340	63	409	340	63	409
Grand total	3,600	1,100	4,700	3,600	1,100	4,700

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total" and/or "Grand total."

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

2/ Includes manufacturers of raw steel that also produce steel castings.

3/ Includes recirculating scrap and home-generated obsolete scrap.

TABLE 4

RECEIPTS OF IRON AND STEEL SCRAP, BY REGION AND GRADE, FOR STEEL PRODUCERS 1/ 2/ 3/ 4/

(Thousand metric tons)

Item	January 2003					Year to date p/				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	10	4	W	4	--	10	4	W	4	--
Cut structural and plate	47	136	88	65	24	47	136	88	65	24
No. 1 heavy melting steel	42	112	41	159	55	42	112	41	159	55
No. 2 heavy melting steel	8	184	64	161	61	8	184	64	161	61
No. 1 and electric furnace bundles	26	288	24	40	8	26	288	24	40	8
No. 2 and all other bundles	9	33	3	18	10	9	33	3	18	10
Electric furnace 1 foot and under (not bundles)	--	--	--	--	--	--	--	--	--	--
Railroad rails	W	W	2	7	W	W	W	2	7	W
Turnings and borings	27	38	23	73	6	27	38	23	73	6
Slag scrap	17	18	6	30	W	17	18	6	30	W
Shredded and fragmentized	44	217	196	242	91	44	217	196	242	91
No. 1 busheling	52	177	29	134	12	52	177	29	134	12
Steel cans (post consumer)	4	W	W	W	W	4	W	W	W	W
All other carbon steel scrap	29	125	6	21	W	29	125	6	21	W
Stainless steel scrap	55	11	--	--	--	55	11	--	--	--
Alloy steel scrap	8	W	--	W	--	8	W	--	W	--
Ingot mold and stool scrap	(5/)	W	--	--	--	(5/)	W	--	--	--
Machinery and cupola cast iron	3	6	1	W	--	3	6	1	W	--
Cast iron borings	W	W	W	12	--	W	W	W	12	--
Motor blocks	(5/)	--	W	--	(5/)	(5/)	--	W	--	(5/)
Other iron scrap	W	9	W	2	W	W	9	W	2	W
Other mixed scrap	W	W	(5/)	15	W	W	W	(5/)	15	W
Total	397	1,400	492	988	340	397	1,400	492	988	340

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

1/ Scrap received from brokers, dealers, and other outside sources.

2/ A breakout of the States within each region is provided in Table 3.

3/ Includes manufacturers of raw steel that also produce steel castings.

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

5/ Less than 1/2 unit.

TABLE 5
CONSUMPTION OF IRON AND STEEL SCRAP BY REGION AND GRADE, FOR STEEL PRODUCERS 1/ 2/ 3/

(Thousand metric tons)

Item	January 2003					Year to date p/				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	11	5	W	W	--	11	5	W	W	--
Cut structural and plate	69	141	110	73	25	69	141	110	73	25
No. 1 heavy melting steel	87	244	73	221	106	87	244	73	221	106
No. 2 heavy melting steel	16	178	65	178	65	16	178	65	178	65
No. 1 and electric furnace bundles	35	393	27	51	8	35	393	27	51	8
No. 2 and all other bundles	10	31	3	20	10	10	31	3	20	10
Electric furnace 1 foot and under (not bundles)	--	11	--	--	--	--	11	--	--	--
Railroad rails	W	W	1	9	W	W	W	1	9	W
Turnings and borings	31	42	26	72	7	31	42	26	72	7
Slag scrap	29	79	12	55	W	29	79	12	55	W
Shredded and fragmentized	78	241	205	301	95	78	241	205	301	95
No. 1 busheling	59	182	30	153	20	59	182	30	153	20
Steel cans (post consumer)	6	W	W	W	W	6	W	W	W	W
All other carbon steel scrap	58	212	18	64	W	58	212	18	64	W
Stainless steel scrap	71	17	--	--	--	71	17	--	--	--
Alloy steel scrap	19	33	--	W	--	19	33	--	W	--
Ingot mold and stool scrap	4	1	--	1	--	4	1	--	1	--
Machinery and cupola cast iron	1	5	1	W	--	1	5	1	W	--
Cast iron borings	W	W	W	9	--	W	W	W	9	--
Motor blocks	(4/)	--	W	--	(4/)	(4/)	--	W	--	(4/)
Other iron scrap	W	22	W	4	W	W	22	W	4	W
Other mixed scrap	W	26	1	16	W	W	26	1	16	W
Total	608	1,900	580	1,200	409	608	1,900	580	1,200	409

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

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

2/ A breakout of the States within each region is provided in Table 3.

3/ Includes manufacturers of raw steel that also produce steel castings.

4/ Less than 1/2 unit.

TABLE 6
U.S. EXPORTS OF IRON AND STEEL SCRAP
BY SELECTED REGION AND COUNTRY 1/ 2/

(Thousand metric tons and thousand dollars)

	December 2002		Year to date	
Region and country	Quantity	Value	Quantity	Value
North America and South America:				
Bahamas, The	--	--	5	645
Brazil	(3/)	65	2	304
Canada	73	8,850	1,290	149,000
Costa Rica	(3/)	3	2	251
Dominican Republic	(3/)	10	4	1,520
Guatemala	(3/)	60	24	2,250
Mexico	159	17,700	1,350	143,000
Other	1	370	8	3,270
Total	234	27,100	2,690	301,000
Africa, Europe, Middle East:				
Belgium	(3/)	141	2	1,790
Finland	--	--	6	3,560
France	--	--	4	1,430
Germany	(3/)	283	10	4,250
Italy	24	3,320	27	4,910
Netherlands	(3/)	111	2	1,040
Russia	--	--	7	1,130
Spain	12	9,330	40	16,200
Switzerland	(3/)	11	2	366
Turkey	41	3,900	374	37,100
United Kingdom	1	631	14	5,770
Other	(3/)	37	6	2,310
Total	78	17,700	492	79,900
Asia, Australia, Oceania:				
China	333	54,300	2,650	447,000
Hong Kong	2	806	46	15,100
India	1	648	109	20,500
Indonesia	(3/)	184	8	2,440
Japan	4	2,560	30	21,200
Korea, Republic of	281	28,000	2,080	234,000
Malaysia	(3/)	46	318	33,100
Philippines	--	--	8	3,740
Singapore	(3/)	15	33	3,770
Taiwan	5	4,330	276	103,000
Thailand	64	7,080	194	21,900
Vietnam	1	249	10	3,130
Other	(3/)	34	2	628
Total	691	98,300	5,770	910,000
Grand total	1,000	143,000	8,950	1,290,000

-- Zero.

1/ Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats and other vessels for scrapping. Export valuation is on a "free alongside ship" (f.a.s.) basis.

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

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF IRON AND STEEL SCRAP BY REGION
AND SELECTED CUSTOMS DISTRICT 1/ 2/ 3/

(Thousand metric tons and thousand dollars)

Region and customs district	December 2002		Year to date	
	Quantity	Value	Quantity	Value
Canadian-U.S. Border:				
Buffalo, NY	6	1,290	119	23,000
Chicago, IL	(5/)	38	13	1,910
Detroit, MI	17	2,210	298	38,400
Duluth, MN	1	113	4	627
Great Falls, MT	1	88	10	1,310
Ogdensburg, NY	1	507	25	5,740
Pembina, ND	18	1,710	314	30,100
Other 4/	(5/)	3	9	1,330
Total	45	5,960	793	102,000
East Coast:				
Baltimore, MD	(5/)	242	3	2,400
Boston, MA	32	3,140	587	50,200
Charleston, SC	1	567	19	7,300
Miami, FL	3	853	35	13,600
New York, NY	247	32,900	2,010	270,000
Norfolk, VA	2	1,240	167	29,700
Philadelphia, PA	(5/)	39	104	11,300
Portland, ME	19	1,940	109	11,900
Providence, RI	242	25,000	377	37,800
Savannah, GA	4	1,510	35	14,300
St. Albans, VT	1	253	10	3,160
Wilmington, NC	1	277	15	1,760
Other	28	2,690	468	43,900
Total	580	70,700	3,940	498,000
Gulf Coast and Mexican-U.S. Border (includes Caribbean territories):				
Houston-Galveston, TX	6	4,320	62	36,300
Laredo, TX	15	2,110	319	41,200
New Orleans, LA	8	5,930	71	44,100
Nogales, AZ	(5/)	50	34	3,420
San Juan, PR	(5/)	29	19	1,940
Tampa, FL	26	2,870	155	16,600
Other	(5/)	49	2	804
Total	55	15,400	662	144,000
West Coast and Hawaii:				
Columbia-Snake, OR	26	3,370	190	28,200
Honolulu, HI, and Anchorage, AK	(5/)	359	147	17,300
Los Angeles, CA	104	20,700	1,670	274,000
San Diego, CA	2	259	25	2,920
San Francisco, CA	142	18,800	1,170	159,000
Seattle, WA	47	7,710	363	63,800
Total	322	51,200	3,560	546,000
Grand total	1,000	143,000	8,950	1,290,000

1/ Re-export activity for December 2002 amounted to 2,530 metric tons valued at $399,000.

2/ Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats and other vessels for scrapping. Export valuation is on a "free alongside ship" (f.a.s.) basis.

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

4/ Includes Code 70, which is for low-valued exports from the United States to Canada.

5/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 8

U.S. EXPORTS OF IRON AND STEEL SCRAP AND OTHER FERROUS PRODUCTS BY GRADE 1/ 2/

(Thousand metric tons and thousand dollars)

Item	December 2002		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	167	17,200	1,430	144,000
No. 2 heavy melting steel	51	5,600	385	37,300
No. 1 bundles	4	389	67	7,300
No. 2 bundles	8	707	76	6,680
Shredded steel scrap	506	55,500	3,000	306,000
Borings, shovelings and turnings	9	637	123	9,150
Cut plate and structural	16	1,870	502	56,000
Tinned iron or steel	30	4,210	117	23,700
Remelting scrap ingots	1	590	5	3,730
Cast iron	58	9,410	848	110,000
Other iron and steel	74	7,030	1,360	133,000
Total carbon steel and cast iron	924	103,000	7,910	836,000
Stainless steel	28	24,200	342	252,000
Other alloy steel	51	15,700	700	202,000
Total stainless and alloy steel	79	40,000	1,040	454,000
Total carbon, stainless, alloy steel and cast iron	1,000	143,000	8,950	1,290,000
Ships, boats, and other vessels for breaking up (for scrapping)	1	174	40	3,230
Used rails for rerolling and other uses	2	555	12	4,680
Total scrap exports	1,010	144,000	9,000	1,300,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	1	85	25	3,730
Pig iron > 0.5% phosphorus	--	--	3	488
Alloy pig iron	(3/)	7	6	695
Total pig iron	1	93	34	4,920
Direct-reduced iron (DRI)	--	--	1	100
Spongy iron products, not DRI	(3/)	221	4	2,280
Granules for abrasive cleaning and other uses	2	1,180	19	12,900
Powders of alloy steel	2	1,110	14	13,700
Other ferrous powders	3	3,330	32	38,500
Total DRI, granules, powders	7	5,830	69	67,500
Grand total	1,010	150,000	9,110	1,370,000

-- Zero.

1/ Export valuation is on a "free alongside ship" (f.a.s.) basis.

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

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 9

U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP

BY SELECTED COUNTRY 1/ 2/

(Thousand metric tons and thousand dollars)

	December 2003		Year to date	
Country	Quantity	Value	Quantity	Value
Bahamas, The	(3/)	5	9	537
Belgium	--	--	95	9,750
Brazil	--	--	2	423
Canada	247	24,100	1,730	197,000
China	(3/)	7	2	712
Denmark	--	--	62	6,070
Dominican Republic	3	263	30	3,170
Egypt	(3/)	45	2	1,270
Japan	(3/)	59	5	1,120
Mexico	8	2,950	80	28,100
Netherlands	--	--	17	1,980
Poland	--	--	1	266
Russia	--	--	119	13,800
South Africa	--	--	10	2,750
Sweden	(3/)	10	244	25,700
United Kingdom	(3/)	75	708	77,700
Venezuela	(3/)	92	3	2,090
Other	(3/)	217	5	3,520
Total	260	27,800	3,130	376,000

-- Zero.

1/ Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Import valuation is on a Customs basis.

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

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 10

U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP

BY SELECTED CUSTOMS DISTRICT 1/ 2/

(Thousand metric tons and thousand dollars)

	December 2002		Year to date	
Customs district	Quantity	Value	Quantity	Value
Buffalo, NY	15	3,460	157	38,800
Charleston, SC	35	3,620	1,030	113,000
Chicago, IL	56	1,950	117	5,350
Detroit, MI	88	9,530	894	95,200
Laredo, TX	6	2,060	41	14,900
Mobile, AL	3	263	45	5,120
Ogdensburg, NY	2	478	19	5,380
Pembina, ND	5	878	31	6,410
Seattle, WA	22	1,820	346	28,400
Wilmington, NC	21	2,120	39	3,870
Other	6	1,600	407	60,200
Total	260	27,800	3,130	376,000

1/ Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Import valuation is on a Customs basis.

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

Source: U.S. Census Bureau.

TABLE 11
U.S. IMPORTS OF IRON AND STEEL SCRAP AND OTHER
FERROUS PRODUCTS BY GRADE 1/ 2/

(Thousand metric tons and thousand dollars)

Item	December 2003		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	1	76	15	1,210
No. 2 heavy melting steel	2	243	27	2,590
No. 1 bundles	23	2,650	252	30,300
No. 2 bundles	--	--	--	--
Shredded steel scrap	54	5,430	912	92,300
Borings, shovelings and turnings	1	102	26	2,510
Cut plate and structural	10	1,010	80	8,270
Tinned iron or steel	(3/)	66	13	1,820
Remelting scrap ingots	--	--	3	621
Cast iron	62	3,120	284	21,300
Other iron and steel	83	7,460	1,160	126,000
Total carbon steel and cast iron	235	20,200	2,770	287,000
Stainless steel	7	4,630	81	49,400
Other alloy steel	18	3,000	271	40,000
Total stainless and alloy steel	25	7,630	352	89,300
Total carbon, stainless, alloy steel and cast iron	260	27,800	3,130	376,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	(3/)	5
Used rails for rerolling and other uses	5	981	195	26,900
Total scrap imports	265	28,800	3,320	403,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	573	67,500	4,470	510,000
Pig iron > 0.5% phosphorus	--	--	(3/)	6
Alloy pig iron	(3/)	29	149	17,400
Total pig iron	573	67,500	4,620	527,000
Direct-reduced iron (DRI)	96	10,500	2,010	195,000
Spongy iron products, not DRI	33	3,400	37	6,190
Granules for abrasive cleaning and other uses	1	464	12	8,120
Powders of alloy steel	4	4,140	45	46,600
Other ferrous powders	5	4,430	73	61,000
Total DRI, granules, powders	139	22,900	2,170	317,000
Grand total	977	119,000	10,100	1,250,000

-- Zero.
1/ Import valuation is on a Customs basis.
2/ Data are rounded to no more than three significant digits; may not add to totals shown.
3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 12
U.S. RAW STEEL PRODUCTION, RAW STEEL CAPABILITY UTILIZATION,
AND CONTINUOUS CAST STEEL PRODUCTION 1/

Period	Raw steel production, thousand metric tons		Raw steel capability utilization, percent		Continuous cast steel production, percent	
	Monthly	Year to date	Monthly	Year to date	Monthly	Year to date
2002:						
January	7,300	7,300	84.5	84.5	97.1	97.1
February	6,900	14,200	88.4	86.6	97.3	97.2
March	7,490	21,700	86.7	86.6	96.8	96.9
April	7,450	29,300	90.3	87.3	96.7	96.9
May	7,620	37,000	89.4	87.7	96.8	96.9
June	7,630	44,700	92.5	89.3	96.8	96.9
July	7,720	52,500	86.8	89.0	97.5	97.0
August	8,090	60,700	91.0	89.3	97.1	97.0
September	8,090	69,000	94.0	90.2	97.1	97.0
October	8,180	77,200	90.8	90.2	97.1	97.0
November	7,570	84,700	86.8	89.9	97.2	97.0
December	7,560	92,200	83.9	89.4	97.0	97.0
2003:						
January	7,820	7,820	83.1	83.1	97.1	97.1

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

Source: American Iron and Steel Institute.

TABLE 13
COMPOSITE PRICES FOR NO. 1 HEAVY MELTING STEEL SCRAP AND PIG IRON

Period	American Metal Market No. 1 HMS		Iron Age No. 1 HMS		Iron Age Pig Iron	
	$/lt	$/t	$/lt	$/t	$/lt	$/t
2002:						
January	69.97	68.86	70.92	69.80	128.02	125.99
February	65.00	63.97	64.80	63.78	123.44	121.49
March	82.09	80.79	78.71	77.47	132.59	130.50
April	92.03	90.58	86.77	85.40	133.81	131.70
May	101.53	99.93	97.17	95.64	140.72	138.50
June	101.60	100.00	97.00	95.47	148.08	145.74
July	101.67	100.06	96.83	95.30	149.86	147.49
August	101.67	100.06	97.88	96.33	149.86	147.49
September	103.62	101.98	99.13	97.56	149.86	147.49
October	103.12	101.49	98.33	96.78	149.86	147.49
November	97.25	95.71	93.87	92.39	149.86	147.49
December	97.00	95.47	94.10	92.61	138.72	136.53
Average	93.05	91.58	89.63	88.21	141.22	138.99
2003:						
January	106.41	104.73	105.79	104.12	159.77	157.24

Note: Long tons = lt; metric tons = t.