

Mineral Industry Surveys

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IRON AND STEEL SCRAP IN JULY 2002

On a daily average basis in July 2002, estimated consumption of iron and steel scrap and production of home scrap were each down 7% compared with that of June 2002, according to the U.S. Geological Survey. Net receipts of purchased scrap were down 6% and stocks of purchased and home scrap at the end of the month were down 1%. These observations are based upon responses from 52% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent 41% of the total scrap consumption in those sectors, and estimates for non-respondents to this survey.

On a daily average basis, pig iron production and consumption were each down 6% compared with those of June 2002. Stocks of pig iron at month's end increased by 3%.

Exports of iron and steel scrap for the month of June 2002

decreased 42% from those of May 2002. The Republic of Korea was the leading country of destination, accounting for 28% of the total tonnage of exports, followed by China with 23%, and Mexico with 22% (table 6). Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports, accounting for 23% of the total, followed by New York, NY, with 19% and San Francisco, CA, with 12% (table 7).

Imports of iron and steel scrap for June 2002 decreased 11% compared with those of May 2002. Canada was the leading country of origin, accounting for 43% of the total tonnage of imports, followed by the United Kingdom with 33% and Sweden with 13% (table 9). Charleston, SC, was the leading Customs district for tonnage of imports, accounting for 33% of the total, followed by Detroit, MI, with 23% and New Orleans, LA, with 22% (table 10).

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

(Thousand metric tons)

	July 2002			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	990	2,500	3,500	6,900	18,000	25,000
Receipts from other own company plants	W	W	120	W	W	890
Production recirculating scrap	640	370	1,000	4,600	2,600	7,200
Production obsolete scrap	9	2	12	66	21	87
Consumption (by type of furnace):						
Blast furnace	(5/)	--	(5/)	(5/)	--	(5/)
Basic oxygen process	W	W	1,100	W	W	8,000
Electric furnace	W	W	3,500	W	W	25,000
Other (including air furnace) 6/	(5/)	--	(5/)	(5/)	--	(5/)
Total consumption	1,600	3,000	4,600	11,000	21,000	33,000
Shipments	110	2	110	830	40	870
Stocks end of month	2,100	2,100	4,200	XX	XX	XX
Pig iron (includes hot metal):						
Receipts	780	120	900	5,200	800	6,000
Production	W	W	2,800	W	W	20,000
Consumption (by type of furnace):						
Basic oxygen process	W	W	3,600	W	W	25,000
Direct castings 7/	(5/)	(5/)	(5/)	(5/)	(5/)	(5/)
Electric furnace	W	W	(5/)	W	W	(5/)
Total consumption	3,500	74	3,600	24,000	570	25,000
Shipments	(8/)	(8/)	(8/)	(8/)	(8/)	(8/)
Stocks end of month	W	W	52	XX	XX	XX
Direct-reduced iron: 9/						
Receipts	100	74	180	700	510	1,200
Total consumption	120	69	190	790	490	1,300
Shipments	1	--	1	12	--	12
Stocks end of month	270	37	300	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. July 2002 data are based on returns from 52% of monthly respondents, representing 41% 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	July 2002				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	22	W	21	17	140	W	150
Cut structural and plate	370	73	430	270	2,500	480	2,900
No. 1 heavy melting steel	390	270	710	550	2,700	1,900	4,900
No. 2 heavy melting steel	450	36	490	420	3,200	290	3,500
No. 1 and electric furnace bundles	400	W	530	280	2,900	W	3,700
No. 2 and all other bundles	73	W	84	37	500	W	520
Electric furnace 1 foot and under (not bundles)	(4/)	W	W	W	(4/)	W	W
Railroad rails	28	W	29	22	130	W	160
Turnings and borings	170	4	180	120	1,200	32	1,300
Slag scrap	67	130	160	130	530	900	1,200
Shredded and fragmentized	760	W	870	550	5,300	W	6,100
No. 1 busheling	390	10	410	300	3,100	72	3,100
Steel cans (post consumer)	16	W	21	W	120	W	150
All other carbon steel scrap	170	180	330	400	1,200	1,300	2,400
Stainless steel scrap	78	25	110	42	490	180	710
Alloy steel scrap	12	36	49	39	87	270	380
Ingot mold and stool scrap	W	9	6	18	W	68	42
Machinery and cupola cast iron	W	W	W	W	W	W	W
Cast iron borings	20	W	21	12	150	W	150
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	23	18	48	W	160	160	330
Other mixed scrap	69	26	99	570	560	180	730
Total	3,500	1,000	4,600	4,200	25,000	7,200	33,000

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	July 2002			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/	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/
Mid-Atlantic and New England:						
New Jersey and New York	W	W	W	W	W	W
Pennsylvania	W	W	W	W	W	W
Total	400	170	610	2,800	1,200	4,300
North Central:						
Illinois and Indiana	490	380	860	3,400	2,700	6,100
Iowa, Minnesota, Missouri, Nebraska, Wisconsin	240	21	260	1,700	150	1,800
Michigan	180	85	210	1,300	650	1,600
Ohio	360	82	440	2,900	650	3,600
Total	1,300	560	1,800	9,300	4,100	13,000
South Atlantic:						
Delaware, Maryland, Virginia, West Virginia	180	71	260	1,300	490	1,800
Florida, Georgia, North Carolina, South Carolina	330	23	330	2,000	160	2,200
Total	510	94	580	3,300	640	3,900
South Central:						
Alabama, Kentucky, Mississippi, Tennessee	430	52	500	3,000	370	3,400
Arkansas, Louisiana, Oklahoma, Texas	600	65	750	4,300	430	5,200
Total	1,000	120	1,200	7,400	800	8,600
Mountain and Pacific:						
Arizona, California, Colorado, Oregon, Utah, Washington	320	59	400	2,300	410	2,700
Grand total	3,500	1,000	4,600	25,000	7,200	33,000

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	July 2002					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	4	W	6	--	81	31	W	28	--
Cut structural and plate	42	130	110	59	25	320	920	640	430	170
No. 1 heavy melting steel	44	98	37	170	32	310	650	280	1,200	270
No. 2 heavy melting steel	8	160	60	160	66	56	1,200	410	1,100	460
No. 1 and electric furnace bundles	26	290	22	47	8	180	2,100	150	340	120
No. 2 and all other bundles	8	22	3	17	23	56	200	29	130	90
Electric furnace 1 foot and under (not bundles)	--	(5/)	--	--	--	--	(5/)	--	--	--
Railroad rails	W	W	2	10	W	W	W	8	51	W
Turnings and borings	25	37	26	80	6	170	270	200	560	42
Slag scrap	18	14	5	28	W	130	160	39	190	W
Shredded and fragmented	44	170	200	240	99	300	1,400	1,200	1,800	600
No. 1 busheling	59	150	33	140	11	430	1,200	220	1,100	100
Steel cans (post consumer)	6	W	W	W	W	40	W	W	W	W
All other carbon steel scrap	20	100	8	34	W	130	760	55	240	W
Stainless steel scrap	69	10	--	--	--	420	68	--	--	--
Alloy steel scrap	8	W	--	W	--	58	W	--	W	--
Ingot mold and stool scrap	(5/)	W	--	--	--	(5/)	W	--	--	--
Machinery and cupola cast iron	--	6	1	W	--	--	39	3	W	--
Cast iron borings	W	W	W	10	--	W	W	W	59	--
Motor blocks	(5/)	--	W	--	--	(5/)	--	W	--	--
Other iron scrap	W	10	W	2	W	W	65	W	19	W
Other mixed scrap	W	W	(5/)	13	W	W	W	15	110	W
Total	400	1,300	510	1,000	320	2,800	9,300	3,300	7,400	2,300

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	July 2002					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	--	81	35	W	W	--
Cut structural and plate	65	140	120	77	26	460	970	790	490	180
No. 1 heavy melting steel	86	240	66	230	82	600	1,700	480	1,500	610
No. 2 heavy melting steel	14	160	68	180	70	110	1,200	440	1,300	480
No. 1 and electric furnace bundles	35	400	27	56	8	240	2,800	190	400	97
No. 2 and all other bundles	9	21	3	19	31	62	200	26	140	100
Electric furnace 1 foot and under (not bundles)	--	9	--	--	--	--	87	--	--	--
Railroad rails	W	W	1	9	W	W	W	6	63	W
Turnings and borings	29	41	22	80	7	210	300	190	570	48
Slag scrap	28	69	11	50	W	200	560	80	350	W
Shredded and fragmentized	78	200	200	290	110	520	1,600	1,300	2,000	650
No. 1 busheling	65	150	32	150	14	490	1,200	200	1,100	110
Steel cans (post consumer)	7	W	W	W	W	53	W	W	W	W
All other carbon steel scrap	46	200	19	58	W	330	1,400	130	420	W
Stainless steel scrap	90	19	--	--	--	600	110	--	--	--
Alloy steel scrap	18	28	--	W	--	130	230	--	W	--
Ingot mold and stool scrap	4	1	--	1	--	27	10	--	5	--
Machinery and cupola cast iron	--	5	1	W	--	--	37	3	W	--
Cast iron borings	W	W	W	10	--	W	W	W	56	--
Motor blocks	(4/)	--	W	--	--	(4/)	--	W	--	--
Other iron scrap	W	22	W	5	W	W	160	W	30	W
Other mixed scrap	W	34	2	15	W	W	240	29	120	W
Total	610	1,800	580	1,200	400	4,300	13,000	3,900	8,600	2,700

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/ 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)

Region and country	June 2002		Year to date	
	Quantity	Value	Quantity	Value
North America and South America:				
Bahamas, The	(3/)	31	4	584
Canada	104	12,600	632	72,500
Dominican Republic	(3/)	68	1	436
Mexico	119	13,600	648	60,600
Other	1	317	5	1,460
Total	224	26,700	1,290	136,000
Africa, Europe, Middle East:				
Belgium	(3/)	192	1	954
France	3	622	4	957
Germany	(3/)	220	3	1,760
Italy	(3/)	94	1	818
Netherlands	(3/)	35	1	704
Russia	(3/)	190	7	1,130
Spain	--	--	9	5,150
Switzerland	(3/)	3	1	198
Turkey	--	--	19	1,470
United Kingdom	(3/)	387	6	2,310
Other	(3/)	47	1	344
Total	5	1,790	52	15,800
Asia, Australia, Oceania:				
China	128	25,100	1,420	220,000
Hong Kong	4	1,020	29	9,110
India	9	1,390	69	10,900
Indonesia	1	209	3	784
Japan	1	1,380	11	10,400
Korea, Republic of	155	21,200	1,340	154,000
Malaysia	14	3,690	156	18,900
Philippines	1	222	5	2,480
Singapore	(3/)	19	33	3,650
Taiwan	10	8,420	163	56,700
Vietnam	1	331	4	1,200
Other	(3/)	73	2	719
Total	324	63,000	3,240	489,000
Grand total	553	91,500	4,580	641,000

-- 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	June 2002		Year to date	
	Quantity	Value	Quantity	Value
Canadian-U.S. Border:				
Buffalo, NY	13	2,430	65	12,700
Detroit, MI	20	2,520	116	15,400
Great Falls, MT	1	111	5	602
Ogdensburg, NY	1	340	15	3,310
Pembina, ND	28	2,930	170	15,500
Other 4/	(5/)	120	2	499
Total	64	8,450	373	48,100
East Coast:				
Baltimore, MD	(5/)	172	1	1,240
Boston, MA	9	981	317	22,800
Charleston, SC	1	694	8	3,470
Miami, FL	2	885	16	6,920
New York, NY	104	16,700	1,020	126,000
Norfolk, VA	35	4,690	96	15,500
Philadelphia, PA	(5/)	43	48	4,700
Portland, ME	4	552	46	4,890
Providence, RI	--	--	135	12,800
Savannah, GA	2	927	16	6,070
St. Albans, VT	1	236	5	1,610
Wilmington, NC	1	77	8	826
Other	36	3,750	239 r/	22,500 r/
Total	195	29,700	1,950	230,000
Gulf Coast and Mexican-U.S. Border (includes Caribbean territories):				
Houston-Galveston, TX	6	4,080	33	17,600
Laredo, TX	36	4,750	144	17,900
New Orleans, LA	(5/)	7,500	61	36,800
Nogales, AZ	1	82	20	1,830
Tampa, FL	26	2,970	102	10,800
Other	(5/)	229	2	502
Total	82	19,600	363	85,400
West Coast and Hawaii:				
Columbia-Snake, OR	2	1,050	96	14,700
Honolulu, HI, and Anchorage, AK	(5/)	282	105	11,400
Los Angeles, CA	130	18,100	816	133,000
San Diego, CA	2	291	7	951
San Francisco, CA	69	10,900	691	87,100
Seattle, WA	10	3,070	180	29,800
Total	213	33,700	1,900	277,000
Grand total	553	91,500	4,580	641,000

r/ Revised; unspecified group of Customs districts differs from that in the previous report. -- Zero.

1/ Re-export activity for June 2002 amounted to 29,400 metric tons valued at \$3,700,000.

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	June 2002		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	94	9,650	797	76,700
No. 2 heavy melting steel	27	2,590	229	20,200
No. 1 bundles	8	941	31	3,290
No. 2 bundles	2	367	64	5,560
Shredded steel scrap	97	10,400	1,400	131,000
Borings, shovelings and turnings	8	619	69	5,050
Cut plate and structural	47	6,480	346	36,800
Tinned iron or steel	8	1,740	50	11,300
Remelting scrap ingots	(3/)	258	2	1,330
Cast iron	43	6,170	383	45,600
Other iron and steel	130	9,710	686	64,900
Total carbon steel and cast iron	463	48,900	4,060	402,000
Stainless steel	33	25,600	201	138,000
Other alloy steel	57	16,900	320	101,000
Total stainless and alloy steel	90	42,500	522	239,000
Total carbon, stainless, alloy steel and cast iron	553	91,500	4,580	641,000
Ships, boats, and other vessels for breaking up (for scrapping)	(3/)	54	24	1,190
Used rails for rerolling and other uses	1	326	7	2,490
Total scrap exports	555	91,900	4,610	644,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	2	344	14	2,000
Pig iron > 0.5% phosphorus	(3/)	17	2	362
Alloy pig iron	(3/)	34	2	259
Total pig iron	3	395	18	2,620
Direct-reduced iron (DRI)	(3/)	20	1	76
Spongy iron products, not DRI	(3/)	175	2	1,530
Granules for abrasive cleaning and other uses	2	960	7	6,050
Powders of alloy steel	1	1,020	5	6,160
Other ferrous powders	3	3,760	15	18,900
Total DRI, granules, powders	7	5,940	31	32,700
Grand total	564	98,200	4,660	680,000

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)

Country	June 2002		Year to date	
	Quantity	Value	Quantity	Value
Bahamas, The	(3/)	36	5	257
Belgium	26	2,380	26	2,380
Brazil	--	--	2	423
Canada	128	15,600	713	76,400
Denmark	--	--	62	6,070
Dominican Republic	2	223	15	1,570
Egypt	(3/)	68	1	849
Japan	(3/)	64	4	738
Mexico	4	1,780	26	10,800
Russia	--	--	42	4,560
South Africa	--	--	10	2,740
Sweden	37	3,890	164	16,500
United Kingdom	95	11,000	459	46,900
Venezuela	(3/)	267	1	990
Other	1	447	3 r/	1,930 r/
Total	293	35,700	1,530	173,000

r/ Revised; unspecified group of countries differs from that in the previous report. -- 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)

Customs district	June 2002		Year to date	
	Quantity	Value	Quantity	Value
Buffalo, NY	18	3,760	58	14,500
Charleston, SC	95	10,900	601	61,800
Chicago, IL	5	235	31	1,950
Detroit, MI	69	7,560	400	38,200
Duluth, MN	1	228	2	560
Laredo, TX	2	1,030	12	5,510
New Orleans, LA	65	6,480	159	17,100
Ogdensburg, NY	1	411	7	1,440
Pembina, ND	3	896	9	2,690
Seattle, WA	29	2,370	160	12,700
Other	4	1,730	93 r/	16,600 r/
Total	293	35,700	1,530	173,000

r/ Revised; unspecified group of countries differs from that in the previous report.

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	June 2002		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	1	96	6	430
No. 2 heavy melting steel	(3/)	14	25	2,340
No. 1 bundles	22	2,630	89	9,700
No. 2 bundles	--	--	--	--
Shredded steel scrap	117	12,400	553	53,800
Borings, shovelings and turnings	2	125	18	1,820
Cut plate and structural	4	469	51	5,010
Tinned iron or steel	1	204	6	895
Remelting scrap ingots	(3/)	31	1	192
Cast iron	24	1,920	128	10,300
Other iron and steel	106	11,800	506	54,200
Total carbon steel and cast iron	277	29,600	1,380	139,000
Stainless steel	6	3,730	28	17,600
Other alloy steel	10	2,280	121	16,800
Total stainless and alloy steel	16	6,000	149	34,400
Total carbon, stainless, alloy steel and cast iron	293	35,700	1,530	173,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	--	--
Used rails for rerolling and other uses	21	2,720	95	12,000
Total scrap imports	315	38,400	1,630	185,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	390	43,300	2,030	216,000
Pig iron > 0.5% phosphorus	--	--	--	--
Alloy pig iron	149	17,200	149	17,300
Total pig iron	539	60,500	2,180	233,000
Direct-reduced iron (DRI)	230	21,500	1,020	90,000
Spongy iron products, not DRI	1	435	3	2,090
Granules for abrasive cleaning and other uses	1	740	7	3,930
Powders of alloy steel	3	3,570	23	23,800
Other ferrous powders	6	5,230	39	28,900
Total DRI, granules, powders	241	31,400	1,090	149,000
Grand total	1,090	130,000	4,900	567,000

-- 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
2001:						
July	7,670	54,500	79.8	81.1	97.2	96.8
August	7,730	62,300	80.4	81.0	97.0	96.9
September	7,500	69,700	80.5	80.9	96.9	96.9
October	7,370	77,400	77.5	80.9	97.0	96.9
November	6,560	84,000	73.5	80.3	96.8	96.9
December	6,070	90,100	65.9	79.2	93.8	96.6
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	NA	NA	NA	NA	NA	NA

NA Not available.

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	
	\$/t	\$/t	\$/t	\$/t	\$/t	\$/t
2001:						
July	79.81	78.55	78.47	77.23	132.59	130.50
August	80.00	78.74	78.42	77.18	132.59	130.50
September	80.00	78.74	77.75	76.52	132.59	130.50
October	73.29	72.13	73.10	71.95	132.59	130.50
November	64.97	63.94	64.67	63.65	128.02	125.99
December	65.00	63.97	64.80	63.77	123.44	121.49
Average	76.10	74.90	75.02	73.84	129.44	127.40
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

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