

Mineral Industry Surveys

For information, contact:

Michael Fenton, Iron and Steel Commodity Specialist
U.S. Geological Survey
989 National Center
Reston, VA 20192
Telephone: (703) 648-4972, Fax: (703) 648-7757
E-mail: mfenton@usgs.gov

Sirirat Harris (Data)
Telephone: (703) 648-7972
Fax: (703) 648-7975
E-mail: syharris@usgs.gov

Internet: <http://minerals.usgs.gov/minerals>

IRON AND STEEL SCRAP IN AUGUST 2004

On a daily average basis in August 2004, estimated consumption of iron and steel scrap was up 1% and net receipts of purchased and home scrap were up 2% compared with those of July 2004, according to the U.S. Geological Survey. Production of home scrap was up 1% and stocks of purchased and home scrap at the end of the month were up 3%. These observations are based upon responses from 57% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent 48% of the total scrap consumption in those sectors, and estimates for non-respondents to this survey.

On a daily average basis, pig iron production was up 7% and consumption was up 6% compared with those of July 2004. Stocks of pig iron at month's end were up 24% compared with those of July 2004.

Exports of iron and steel scrap for the month of July 2004 decreased 20% from those of June 2004. China was the leading country of destination, accounting for 35% of the total tonnage of exports, followed by Mexico with 18% and Canada with 16% (table 6). Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports, accounting for 32% of the total, followed by Seattle, WA, with 9% and New York, NY, with 8% (table 7).

Imports of iron and steel scrap for July 2004 increased 15% compared with those of June 2004. Canada was the leading country of origin, accounting for 55% of the total tonnage of imports, followed by the United Kingdom with 29% and Netherlands with 8% (table 9). Charleston, SC, was the leading Customs district for tonnage of imports, accounting for 29% of the total, followed by Detroit, MI, with 27% and New Orleans, LA, with 16% (table 10).

The daily average domestic raw steel production for August 2004, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, amounted to 273,000 metric tons (t), up 2% from 268,000 t in July 2004 and up 15% from 237,000 t in August 2003 (table 12). The electric furnace portion of raw steel production for August 2004 was 55%, down from 56% in July 2004 and up from 52% in August 2003.

Raw steel capability utilization (AISI data) in August 2004 was 95%, up from 94% of July 2004 and up from 78% of August 2003 (table 12). Continuous cast steel production in the United States accounted for 94% of total raw steel production in August 2004, down from 97% of July 2004 and August 2003.

TABLE 1
IRON AND STEEL SCRAP, PIG IRON, AND DIRECT-REDUCED IRON STATISTICS FOR STEEL PRODUCERS^{1,2}

(Thousand metric tons)

	August 2004			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	1,270	2,500	3,770	9,830	20,000	29,800
Receipts from other own company plants	W	W	203	W	W	1,360
Production recirculating scrap	634	343	977	5,030	2,700	7,730
Production obsolete scrap	20	27	46	114	214	328
Consumption (by type of furnace):						
Blast furnace	(5)	--	(5)	(5)	--	(5)
Basic oxygen process	W	W	1,220	W	W	9,690
Electric furnace	W	W	3,540	W	W	28,200
Other (including air furnace) ⁶	(5)	--	(5)	(5)	--	(5)
Total consumption	1,850	2,910	4,770	14,600	23,400	37,900
Shipments	113	9	122	842	58	900
Stocks end of month	2,300	2,120	4,410	XX	XX	XX
Pig iron (includes hot metal):						
Receipts	597	177	774	4,620	1,050	5,660
Production	W	W	2,580	W	W	20,200
Consumption (by type of furnace):						
Basic oxygen process	W	W	3,220	W	W	25,200
Direct castings ⁷	(5)	(5)	(5)	(5)	(5)	(5)
Electric furnace	W	W	(5)	W	W	(5)
Total consumption	2,950	103	3,220	24,100	790	25,200
Shipments	(8)	(8)	(8)	(8)	(8)	(8)
Stocks end of month	W	W	371	XX	XX	XX
Direct-reduced iron:⁹						
Receipts	153	6	159	742	59	802
Production	W	--	W	--	--	--
Total consumption	92	7	100	732	177	909
Shipments	3	--	3	3	--	3
Stocks end of month	187	13	200	XX	XX	XX

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

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

²Includes manufacturers of raw steel that also produce steel castings. August 2004 data are based on returns from 57% of monthly respondents, representing 48% of scrap consumption during this month, and estimates for nonrespondents of this survey.

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

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

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

⁶Includes vacuum melting furnaces and miscellaneous uses.

⁷Includes ingot molds and stools.

⁸Withheld to avoid disclosing company proprietary data.

⁹Includes 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	August 2004				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	26	W	61	128	238	W	484
Cut structural and plate	360	43	402	284	3,070	492	3,520
No. 1 heavy melting steel	446	185	606	565	3,400	1,390	4,710
No. 2 heavy melting steel	512	34	524	514	3,940	278	4,260
No. 1 and electric furnace bundles	398	W	536	303	3,090	W	4,210
No. 2 and all other bundles	71	W	79	36	588	W	623
Electric furnace 1 foot and under (not bundles)	1	W	W	W	4	W	W
Railroad rails	22	W	30	23	183	W	214
Turnings and borings	166	5	168	112	1,320	37	1,450
Slag scrap	68	130	171	161	604	1,020	1,400
Shredded and fragmentized	855	W	956	659	6,630	W	7,380
No. 1 busheling	419	15	439	275	3,360	118	3,400
Steel cans (post consumer)	22	W	26	W	177	W	213
All other carbon steel scrap	149	200	363	260	1,200	1,510	2,820
Stainless steel scrap	63	20	96	31	534	154	754
Alloy steel scrap	11	43	52	28	88	349	425
Ingot mold and stool scrap	W	7	5	16	W	54	37
Machinery and cupola cast iron	W	W	W	W	W	W	W
Cast iron borings	26	W	25	18	203	W	197
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	58	39	101	W	440	282	797
Other mixed scrap	93	28	118	574	725	226	933
Total	3,770	977	4,770	4,410	29,800	7,730	37,900

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

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

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

³Includes recirculating scrap and home-generated obsolete scrap.

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	August 2004			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, New York, Pennsylvania	402	171	611	3,210	1,380	4,870
North Central:						
Illinois and Indiana	391	318	683	3,140	2,530	5,490
Iowa, Minnesota, Nebraska, Wisconsin	250	5	242	1,970	40	1,920
Michigan	186	89	225	1,410	673	1,790
Ohio	546	133	649	3,850	1,000	4,850
Total	1,370	544	1,800	10,400	4,240	14,000
South Atlantic:						
Delaware, Maryland, Virginia, West Virginia	214	69	287	1,870	551	2,390
Florida, Georgia, North Carolina, South Carolina	296	10	340	2,400	135	2,680
Total	510	79	627	4,270	686	5,070
South Central:						
Alabama, Kentucky, Mississippi, Tennessee	478	53	524	3,910	422	4,280
Arkansas, Louisiana, Oklahoma, Texas	667	68	818	5,390	516	6,540
Total	1,150	120	1,340	9,300	938	10,800
Mountain and Pacific:						
Arizona, California, Colorado, Oregon, Utah, Washington	338	62	385	2,660	482	3,110
Grand total	3,770	977	4,770	29,800	7,730	37,900

^pPreliminary.

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

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

³Includes 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	August 2004					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	14	4	W	5	2	113	35	W	49	37
Cut structural and plate	45	118	82	85	29	364	1,010	722	736	236
No. 1 heavy melting steel	44	132	31	180	59	344	956	329	1,380	389
No. 2 heavy melting steel	8	216	73	165	51	60	1,570	571	1,330	409
No. 1 and electric furnace bundles	30	277	26	57	8	253	2,120	189	464	72
No. 2 and all other bundles	8	26	7	19	11	59	245	48	147	87
Electric furnace 1 foot and under (not bundles)	--	1	--	--	--	--	4	--	--	--
Railroad rails	W	W	1	13	W	W	W	5	108	W
Turnings and borings	24	49	24	62	6	193	370	179	526	53
Slag scrap	18	20	8	21	W	147	220	56	173	W
Shredded and fragmentized	50	200	193	312	100	377	1,330	1,630	2,490	804
No. 1 busheling	47	178	16	172	6	387	1,340	153	1,430	49
Steel cans (post consumer)	3	W	W	W	W	29	W	W	W	W
All other carbon steel scrap	43	72	4	29	W	320	557	70	241	W
Stainless steel scrap	53	10	--	--	--	441	93	--	--	--
Alloy steel scrap	7	W	--	W	--	55	W	--	W	--
Ingot mold and stool scrap	--	--	--	--	--	1	--	--	--	--
Machinery and cupola cast iron	--	--	--	W	--	--	--	(5)	W	--
Cast iron borings	W	W	W	7	--	W	W	W	71	--
Motor blocks	--	--	W	--	--	--	--	W	--	--
Other iron scrap	W	20	W	1	W	W	159	W	5	W
Other mixed scrap	W	W	7	13	W	W	W	37	112	W
Total	402	1,370	510	1,150	338	3,210	10,400	4,270	9,300	2,660

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

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

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

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

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

⁵Less 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	August 2004					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	14	33	W	W	6	115	263	W	W	52
Cut structural and plate	67	117	104	85	28	543	1,040	941	771	225
No. 1 heavy melting steel	82	180	37	221	85	658	1,270	357	1,740	694
No. 2 heavy melting steel	14	202	77	178	52	115	1,610	602	1,510	418
No. 1 and electric furnace bundles	39	397	23	69	8	304	3,130	187	522	77
No. 2 and all other bundles	9	30	8	20	12	70	249	49	159	96
Electric furnace 1 foot and under (not bundles)	--	5	--	--	--	--	76	--	--	--
Railroad rails	W	W	1	18	W	36	W	5	117	W
Turnings and borings	30	51	21	59	7	233	441	189	528	58
Slag scrap	30	76	17	47	W	236	636	127	395	W
Shredded and fragmentized	80	186	233	349	107	647	1,280	1,770	2,830	859
No. 1 busheling	50	174	19	189	7	419	1,320	172	1,430	56
Steel cans (post consumer)	6	W	W	W	W	44	W	W	W	W
All other carbon steel scrap	73	180	42	65	W	545	1,400	346	504	W
Stainless steel scrap	74	22	--	--	--	585	169	--	--	--
Alloy steel scrap	17	33	--	W	--	141	266	--	W	--
Ingot mold and stool scrap	3	1	--	(4)	--	27	8	--	3	--
Machinery and cupola cast iron	--	--	--	W	--	--	--	--	W	--
Cast iron borings	W	W	W	10	--	W	W	W	70	--
Motor blocks	--	--	W	--	--	--	--	W	--	--
Other iron scrap	W	50	W	2	W	W	410	W	21	W
Other mixed scrap	W	31	5	14	W	W	238	45	120	W
Total	611	1,800	627	1,340	385	4,870	14,000	5,070	10,800	3,110

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

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

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

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

⁴Less 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	July 2004		Year to date	
	Quantity	Value	Quantity	Value
North America and South America:				
Bahamas, The	(3)	125	2	294
Belize	(3)	120	(3)	303
Brazil	(3)	18	1	519
Canada	121	19,400	1,160	125,000
Chile	(3)	19	2	245
Colombia	1	87	1	239
Dominican Republic	(3)	14	2	1,350
Guatemala	5	1,370	30	5,630
Mexico	133	23,700	935	183,000
Panama	1	243	2	482
Turks and Caicos Islands	1	120	6	636
Venezuela	(3)	48	3	418
Other	1	103	103	20,500
Total	263	45,300	2,240	338,000
Africa, Europe, Middle East:				
Belgium	(3)	162	7	1,310
Finland	8	12,200	46	64,700
France	(3)	142	1	476
Germany	9	564	15	6,300
Greece	1	110	1	115
Kenya	6	2,340	33	14,200
Netherlands	1	1,000	12	13,200
Portugal	(3)	121	22	4,030
Spain	(3)	149	4	5,830
Sweden	(3)	181	1	1,070
Switzerland	(3)	272	3	1,050
Tunisia	(3)	144	(3)	144
United Arab Emirates	1	413	3	817
United Kingdom	8	269	13	6,580
Other	2	155	214	38,100
Total	36	18,200	373	158,000
Asia, Australia, Oceania:				
China	258	75,300	1,950	519,000
Hong Kong	6	3,840	44	22,200
India	8	5,320	231	60,400
Indonesia	2	630	10	3,020
Japan	3	2,230	40	24,700
Korea, Republic of	79	23,100	1,080	301,000
Malaysia	42	8,660	209	42,800
Pakistan	(3)	91	3	572
Singapore	(3)	56	3	604
Taiwan	8	5,570	112	52,500
Thailand	39	9,670	432	81,100
Vietnam	1	570	11	2,970
Other	(3)	156	1	404
Total	446	135,000	4,120	1,110,000
Grand total	745	199,000	6,740	1,610,000

¹Includes 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 basis.

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

³Less 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	July 2004		Year to date	
	Quantity	Value	Quantity	Value
Canadian-U.S. Border:				
Buffalo, NY	17	2,740	56	14,500
Detroit, MI	24	5,300	196	32,100
Duluth, MN	3	672	30	4,530
Great Falls, MT	2	244	11	1,450
Ogdensburg, NY	7	1,300	28	5,950
Pembina, ND	32	6,000	298	41,400
Other ⁴	(5)	357	6	1,600
Total	85	16,600	625	102,000
East Coast:				
Baltimore, MD	1	470	12	4,980
Boston, MA	18	5,330	484	90,500
Charleston, SC	3	2,010	25	12,400
Miami, FL	5	1,610	30	10,500
New York, NY	57	19,400	952	253,000
Norfolk, VA	4	2,270	109	26,000
Philadelphia, PA	(5)	54	212	37,600
Portland, ME	3	543	179	33,100
Providence, RI	22	3,490	223	41,600
Savannah, GA	6	2,080	31	17,900
St. Albans, VT	5	949	22	4,280
Wilmington, NC	2	569	12	3,370
Other	39	3,190	516	23,700
Total	166	42,000	2,810	559,000
Gulf Coast and Mexican-U.S. Border (includes Caribbean territories):				
Houston-Galveston, TX	13	3,580	79	57,400
Laredo, TX	26	5,250	301	59,700
New Orleans, LA	8	12,500	49	69,400
San Juan, PR	7	1,390	58	10,800
Tampa, FL	34	6,520	204	38,400
Other	1	243	30	7,540
Total	89	29,400	721	243,000
West Coast and Hawaii:				
Columbia-Snake, OR	4	1,160	200	44,300
Honolulu, HI and Anchorage, AK	38	9,970	120	27,300
Los Angeles, CA	237	65,100	1,120	346,000
San Diego, CA	9	1,520	94	14,100
San Francisco, CA	48	14,400	647	154,000
Seattle, WA	69	18,600	403	118,000
Total	405	111,000	2,580	704,000
Grand total	745	199,000	6,740	1,610,000

¹Re-export activity for July 2004 amounted to 60,900 metric tons valued at \$11,100,000.

²Includes 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 basis.

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

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

⁵Less 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	July 2004		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	89	19,000	1,060	196,000
No. 2 heavy melting steel	21	4,400	236	43,700
No. 1 bundles	15	2,080	163	21,800
No. 2 bundles	3	585	30	5,770
Shredded steel scrap	285	55,200	2,240	435,000
Borings, shovelings and turnings	13	1,180	106	10,400
Cut plate and structural	59	13,200	339	65,900
Tinned iron or steel	6	1,630	58	12,000
Remelting scrap ingots	(3)	675	3	3,930
Cast iron	41	9,200	529	105,000
Other iron and steel	84	21,600	754	162,000
Total carbon steel and cast iron	616	129,000	5,520	1,060,000
Stainless steel	35	42,300	291	333,000
Other alloy steel	94	27,500	921	213,000
Total stainless and alloy steel	129	69,800	1,210	546,000
Total carbon, stainless, alloy steel and cast iron	745	199,000	6,740	1,610,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	16	2,620
Used rails for rerolling and other uses	6	2,700	24	10,400
Total scrap exports	751	201,000	6,780	1,620,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	(3)	14	3	670
Pig iron > 0.5% phosphorus	--	--	10	912
Alloy pig iron	(3)	41	1	231
Total pig iron	1	55	14	1,760
Direct-reduced iron (DRI)	(3)	3	12	1,310
Spongy iron products, not DRI	(3)	178	2	1,350
Granules for abrasive cleaning and other uses	2	1,210	16	11,400
Powders of alloy steel	1	1,410	7	8,770
Other ferrous powders	5	6,560	31	40,600
Total DRI, granules, powders	8	9,360	68	63,400
Grand total	758	211,000	6,860	1,690,000

-- Zero.

¹Export valuation is on a free alongside ship basis.

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

³Less 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	July 2004		Year to date	
	Quantity	Value	Quantity	Value
Bahamas, The	1	27	3	169
Belgium	(3)	93	3	14,700
Brazil	1	294	5	1,530
Canada	208	43,900	1,430	305,000
China	(3)	33	1	1,010
Colombia	(3)	82	1	1,030
Dominican Republic	13	2,490	54	11,400
Egypt	(3)	85	1	547
Germany	(3)	12	4	511
Mexico	12	4,370	78	35,800
Netherlands	32	6,980	96	28,100
Norway	(3)	40	(3)	40
United Kingdom	110	26,200	646	171,000
Venezuela	1	487	8	7,330
Other	1	164	271	64,700
Total	378	85,200	2,600	643,000

¹Includes 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.

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

³Less 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	July 2004		Year to date	
	Quantity	Value	Quantity	Value
Buffalo, NY	25	9,910	215	84,500
Charleston, SC	109	26,000	694	173,000
Detroit, MI	102	20,800	694	137,000
Laredo, TX	6	2,100	22	16,000
Mobile, AL	13	2,530	72	17,700
New Orleans, LA	62	12,400	428	123,000
New York, NY	2	179	2	1,030
Pembina, ND	6	2,360	34	10,300
San Diego, CA	4	1,070	28	6,110
Seattle, WA	41	4,450	303	35,900
Other	8	3,430	106	38,200
Total	378	85,200	2,600	643,000

¹Includes 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.

²Data 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	July 2004		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	2	263	71	9,110
No. 2 heavy melting steel	2	174	15	1,970
No. 1 bundles	66	15,200	322	68,400
No. 2 bundles	--	--	1	95
Shredded steel scrap	138	28,300	807	169,000
Borings, shovelings and turnings	11	1,030	27	2,470
Cut plate and structural	8	904	77	11,400
Tinned iron or steel	1	158	5	1,280
Remelting scrap ingots	--	--	(3)	162
Cast iron	44	8,000	201	33,800
Other iron and steel	76	16,800	815	199,000
Total carbon steel and cast iron	347	70,700	2,340	497,000
Stainless steel	9	9,300	87	101,000
Other alloy steel	22	5,210	169	45,900
Total stainless and alloy steel	31	14,500	256	147,000
Total carbon, stainless, alloy steel and cast iron	378	85,200	2,600	643,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	--	--
Used rails for rerolling and other uses	22	7,760	49	18,900
Total scrap imports	399	93,000	2,650	662,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	463	103,000	2,550	524,000
Pig iron > 0.5% phosphorus	--	--	59	12,100
Alloy pig iron	--	--	--	--
Total pig iron	463	103,000	2,610	536,000
Direct-reduced iron (DRI)	263	58,900	1,370	236,000
Spongy iron products, not DRI	26	8,110	26	8,600
Granules for abrasive cleaning and other uses	1	750	10	5,520
Powders of alloy steel	5	4,690	34	31,700
Other ferrous powders	4	5,120	51	37,600
Total DRI, granules, powders	299	77,600	1,490	319,000
Grand total	1,160	274,000	6,750	1,520,000

-- Zero.

¹Import valuation is on a Customs basis.

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

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 12
U.S. RAW STEEL PRODUCTION, RAW STEEL CAPABILITY UTILIZATION,
AND CONTINUOUS CAST STEEL PRODUCTION¹

Period	Raw steel production, thousand metric tons		Raw steel capability utilization, percent		Continuous cast steel production, percent	
	Monthly	Year to date ²	Monthly	Year to date	Monthly	Year to date
2003:						
August	7,340	61,100	78.3	83.5	97.2	97.3
September	7,280	68,400	80.7	83.2	96.7	97.2
October	7,720	76,100	82.8	83.3	97.0	97.3
November	7,570	83,700	83.9	83.4	97.2	97.3
December	7,630	91,300	81.9	82.2	97.1	96.1
2004:						
January	7,850	7,850	88.0	88.0	96.9	96.9
February	7,620	15,400	90.9	88.9	97.0	97.0
March	8,410	23,800	93.7	90.4	96.9	96.9
April	8,080	31,900	93.9	91.1	96.9	96.9
May	8,310	40,200	92.9	91.5	97.7	97.1
June	8,170	48,300	94.4	91.9	96.8	97.0
July	8,310	57,100	93.5	92.7	97.4	97.1
August	8,449	65,593	95.0	93.0	94.4	96.3

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

²Year-to-date may include revisions for previous months.

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
2003:						
August	123.32	121.37	119.17	117.29	NA	NA
September	128.35	126.32	125.83	123.85	NA	NA
October	130.67	128.61	127.92	125.89	163.07	190.69
November	144.03	141.76	141.29	139.06	199.64	196.48
December	159.88	157.35	155.50	153.05	206.64	203.38
Average	122.93	120.99	120.92	119.01	180.99	178.13
2004:						
January	177.47	174.67	179.84	176.99	240.78	236.98
February	224.09	220.55	222.50	218.99	240.78	236.98
March	250.05	246.10	238.13	234.37	NA	NA
April	208.76	205.46	201.33	198.15	NA	NA
May	170.55	167.86	161.25	158.70	NA	NA
June	165.00	162.39	160.33	157.80	NA	NA
July	215.30	211.90	214.96	211.56	NA	NA
August	240.38	236.58	225.96	222.40	NA	NA

NA Not available.

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