

# Mineral Industry Surveys

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## IRON AND STEEL SCRAP IN APRIL 2009

On a daily average basis in April 2009, estimated consumption of iron and steel scrap was down slightly, net receipts of purchased scrap were down slightly, and home scrap production was down 5% from those of March 2009, according to the U.S. Geological Survey. Stocks of purchased and home scrap at the end of April were down 7% from those at the end of March 2009. These observations are based upon responses from about 40% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent about 42% of the total scrap consumption in those sectors, and estimates for non-respondents to this survey.

On a daily average basis, pig iron production in April was down 4% from that in March 2009. Pig iron consumption in April was down slightly from that in March 2009. Stocks of pig iron at the end of April were down 7% from those at the end of March 2009.

Exports of iron and steel scrap for the month of March 2009 increased 14% from those of February 2009. China was the leading country of destination, accounting for 57% of the total tonnage of exports, followed by the Republic of Korea, with 8%, and India, with 6% (table 6). Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports, accounting

for 23% of the total, followed by Philadelphia, PA, and New Orleans, LA, with 11% each (table 7).

Imports of iron and steel scrap for March 2009, decreased 32% from those of February. Canada was the leading country of origin, accounting for 91% of the total tonnage of imports, followed by Mexico, with 9% (table 9). Seattle, WA, was the leading U.S. Customs district for tonnage of imports, accounting for 38% of the total, followed by Detroit, MI, with 25%, and Buffalo, NY, with 18% (table 10).

The daily average domestic raw steel production for April 2009, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, amounted to 127,000 metric tons (t), down 4% from that in March 2009, and down 55% from 279,000 t in April 2008 (table 12). The electric furnace portion of raw steel production for April was 63%, up from 59% in March 2009 and up from 58% in April 2008.

Raw steel production capability utilization (AISI data) in April 2009 was 41%, down from 43% in March 2009 and down from 90% in April 2008 (table 12). Continuous cast steel production in April 2009 accounted for 97% of total raw steel production, the same as that in March 2009 and in April 2008.

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

(Thousand metric tons)

	April 2009			Year to date <sup>3</sup>		
	Integrated steel producers <sup>4</sup>	Electric furnace steel producers <sup>5</sup>	Total for steel producers	Integrated steel producers <sup>4</sup>	Electric furnace steel producers <sup>5</sup>	Total for steel producers
<b>Scrap:</b>						
Receipts from dealers and other sources	1,020	1,920	2,940	4,480	8,080	12,600
Receipts from other own company plants	39	216	255	134	754	888
Production recirculating scrap	318	281	599	1,290	1,250	2,540
Production obsolete scrap	W	W	9	W	W	32
<b>Consumption (by type of furnace):</b>						
Blast furnace	W	W	100	W	W	522
Basic oxygen process	W	W	542	W	W	2,200
Electric furnace	757	2,420	3,180	3,250	9,830	13,100
Other (including air furnace) <sup>6</sup>	W	--	W	W	--	W
Total consumption	1,350	2,470	3,820	5,650	10,200	15,800
Shipments	131	23	154	492	92	584
Stocks end of month	1,360	1,930	3,290	XX	XX	XX
<b>Pig iron (includes hot metal):</b>						
Receipts	478	66	544	2,020	369	2,380
Production	W	W	1,580	W	W	6,320
<b>Consumption (by type of furnace):</b>						
Basic oxygen process	W	W	1,920	W	W	7,670
Direct castings <sup>7</sup>	W	--	W	W	--	W
Electric furnace	W	W	W	W	W	W
Total consumption	2,030	97	2,130	8,110	345	8,460
Shipments	W	W	W	W	W	W
Stocks at end of month	W	W	859	XX	XX	XX
<b>Direct-reduced iron:<sup>8</sup></b>						
Receipts	W	W	68	W	W	319
Production	W	--	W	W	--	W
Total consumption	W	W	86	W	W	386
Shipments	W	W	W	W	W	W
Stocks end of month	311	45	356	XX	XX	XX

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

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

<sup>2</sup>Includes manufacturers of raw steel that also produce steel castings. April 2009 data are based on returns from 40% of monthly respondents, representing 42% of scrap consumption during this month, and estimates for nonrespondents of this survey.

<sup>3</sup>Prior months' data may have been revised.

<sup>4</sup>Includes data for electric furnaces operated by integrated steel producers.

<sup>5</sup>Includes minimill and specialty steel producers; includes data for other furnaces operated by these steel producers.

<sup>6</sup>Includes vacuum melting furnaces and miscellaneous uses.

<sup>7</sup>Includes ingot molds and stools.

<sup>8</sup>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<sup>1,2</sup>

(Thousand metric tons)

Item	April 2009				Year to date <sup>3</sup>		
	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 <sup>4</sup>	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 <sup>4</sup>
Carbon steel:							
Low-phosphorus plate and punchings	57	W	58	W	229	W	234
Cut structural and plate	250	41	315	232	1,060	166	1,320
No. 1 heavy melting steel	290	150	463	352	1,250	610	1,890
No. 2 heavy melting steel	351	17	413	387	1,640	71	1,760
No. 1 and electric furnace bundles	237	W	314	242	980	W	1,290
No. 2 and all other bundles	50	W	56	34	222	W	240
Electric furnace 1 foot and under (not bundles)	W	W	W	--	W	W	W
Railroad rails	13	W	18	5	53	W	74
Turnings and borings	146	10	166	130	612	42	717
Slag scrap	72	64	97	164	296	256	396
Shredded and fragmentized	626	W	791	635	2,670	111	3,220
No. 1 busheling	355	10	380	281	1,410	53	1,540
Steel cans (post consumer)	10	--	10	5	40	--	40
All other carbon steel scrap	243	105	378	271	1,050	520	1,560
Stainless steel scrap	64	29	94	51	278	121	422
Alloy steel scrap	6	25	33	46	25	121	163
Ingot mold and stool scrap	W	W	5	15	W	W	21
Machinery and cupola cast iron	W	W	W	W	W	W	W
Cast iron borings	11	W	12	12	49	W	52
Motor blocks	W	--	W	--	W	--	W
Other iron scrap	62	9	75	166	250	34	301
Other mixed scrap	97	22	139	137	454	82	558
Total	2,940	599	3,820	3,290	12,600	2,540	15,800

<sup>1</sup>Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

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

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

<sup>4</sup>Prior months' data may have been revised.

<sup>5</sup>Includes 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<sup>1,2</sup>

(Thousand metric tons)

Region and State	April 2009			Year to date <sup>p,3</sup>		
	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 <sup>4</sup>	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 <sup>4</sup>
<b>Mid-Atlantic and New England:</b>						
New Jersey, New York, Pennsylvania	416	151	628	1,620	635	2,540
<b>North Central:</b>						
Illinois and Indiana	370	139	515	1,560	556	2,070
Iowa, Minnesota, Nebraska, Wisconsin	133	3	151	527	14	591
Michigan	115	62	132	452	237	521
Ohio	274	52	351	1,520	238	1,710
Total	892	256	1,150	4,050	1,050	4,890
<b>South Atlantic:</b>						
Delaware, Maryland, Virginia, West Virginia	178	56	268	767	224	1,080
Florida, Georgia, North Carolina, South Carolina	122	5	163	532	23	711
Total	299	61	431	1,300	247	1,790
<b>South Central:</b>						
Alabama, Kentucky, Mississippi, Tennessee	500	23	546	2,140	108	2,280
Arkansas, Louisiana, Oklahoma, Texas	498	54	648	2,060	215	2,620
Total	998	77	1,190	4,200	323	4,890
<b>Mountain and Pacific:</b>						
Arizona, California, Colorado, Oregon, Utah, Washington	336	54	419	1,400	289	1,680
Grand total	2,940	599	3,820	12,600	2,540	15,800

<sup>p</sup>Preliminary.

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

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

<sup>3</sup>Prior months' data may have been revised.

<sup>4</sup>Includes recirculating scrap and home-generated obsolete scrap.

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

(Thousand metric tons)

Item	April 2009					Year to date <sup>5</sup>				
	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	18	W	W	W	W	72	W	W	W	W
Cut structural and plate	35	94	53	61	W	151	382	217	283	W
No. 1 heavy melting steel	55	41	46	129	W	219	241	179	536	W
No. 2 heavy melting steel	W	91	23	201	W	W	555	100	842	W
No. 1 and electric furnace bundles	20	157	18	38	W	79	632	86	166	W
No. 2 and all other bundles	13	11	3	19	W	45	69	12	76	W
Electric furnace 1 foot and under (not bundles)	--	--	--	W	--	--	--	--	W	--
Railroad rails	W	W	W	5	W	W	W	W	24	W
Turnings and borings	12	31	15	83	4	55	147	45	348	17
Slag scrap	11	23	W	20	W	44	97	W	81	W
Shredded and fragmentized	78	152	67	253	76	317	631	358	1,060	303
No. 1 busheling	81	155	16	99	W	286	622	66	411	W
Steel cans (post consumer)	4	4	--	W	W	15	16	--	W	W
All other carbon steel scrap	34	64	W	40	W	105	359	W	162	W
Stainless steel scrap	33	5	--	W	--	144	32	--	W	--
Alloy steel scrap	2	3	--	W	--	9	10	--	W	--
Ingot mold and stool scrap	W	--	--	--	--	W	--	--	--	--
Machinery and cupola cast iron	W	W	W	--	--	W	W	W	--	--
Cast iron borings	W	W	W	5	W	W	W	W	20	W
Motor blocks	--	--	--	W	--	--	--	--	W	--
Other iron scrap	5	16	W	W	W	18	68	W	W	W
Other mixed scrap	W	3	W	10	W	W	11	W	57	W
Total	416	892	299	998	336	1,620	4,050	1,300	4,200	1,400

<sup>0</sup>Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

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

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

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

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

<sup>5</sup>Prior months' data may have been revised.

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

(Thousand metric tons)

Item	April 2009					Year to date <sup>4</sup>				
	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	18	W	W	W	W	74	W	W	W	W
Cut structural and plate	45	112	81	71	W	188	441	348	311	W
No. 1 heavy melting steel	97	89	51	176	50	391	391	199	712	200
No. 2 heavy melting steel	16	117	30	226	W	64	569	121	904	W
No. 1 and electric furnace bundles	33	210	23	45	W	143	858	90	178	W
No. 2 and all other bundles	13	13	3	20	W	45	72	12	83	W
Electric furnace 1 foot and under (not bundles)	--	W	--	W	--	--	W	--	W	--
Railroad rails	W	W	W	7	W	W	W	W	31	W
Turnings and borings	28	44	11	79	4	134	189	46	332	17
Slag scrap	19	30	W	30	W	73	121	W	131	W
Shredded and fragmentized	105	168	127	316	76	420	699	542	1,250	303
No. 1 busheling	92	156	16	111	W	313	633	78	494	W
Steel cans (post consumer)	4	4	W	W	W	15	16	W	W	W
All other carbon steel scrap	69	107	33	49	W	293	457	130	201	W
Stainless steel scrap	50	7	--	W	--	226	51	--	W	--
Alloy steel scrap	14	16	--	W	--	65	89	--	W	--
Ingot mold and stool scrap	W	W	--	W	--	W	W	--	W	--
Machinery and cupola cast iron	--	W	W	--	--	--	W	W	--	--
Cast iron borings	W	W	W	5	W	W	W	W	21	W
Motor blocks	--	--	--	W	--	--	--	--	W	--
Other iron scrap	12	19	W	W	W	43	79	W	W	W
Other mixed scrap	W	10	3	12	W	W	41	W	53	W
Total	628	1,150	431	1,190	419	2,540	4,890	1,790	4,890	1,680

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

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

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

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

<sup>4</sup>Prior months' data may have been revised.

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

(Thousand metric tons and thousand dollars)

Region and country	March 2009		Year to date	
	Quantity	Value	Quantity	Value
<b>North America and South America:</b>				
Canada	105	22,800	271	62,300
Mexico	38	6,530	87	17,900
Peru	--	--	32	8,730
Other <sup>3</sup>	(4)	300	2	1,280
Total	144	29,700	392	90,100
<b>Africa, Europe, Middle East:</b>				
Belgium	(4)	446	1	1,750
Egypt	--	--	103	28,000
Finland	6	6,280	6	6,280
Greece	--	--	77	19,300
Italy	(4)	83	48	16,900
Pakistan	63	13,600	117	27,300
Portugal	--	--	25	4,460
Spain	(4)	84	1	584
Switzerland	(4)	6	44	12,100
Turkey	120	27,300	610	157,000
Other <sup>3</sup>	1	1,500	2	3,920
Total	192	49,300	1,030	278,000
<b>Asia, Australia, Oceania:</b>				
Bangladesh	12	3,290	32	10,100
China	1,170	375,000	1,980	682,000
Hong Kong	14	8,440	29	17,800
India	121	36,000	359	100,000
Indonesia	11	2,870	22	5,820
Japan	3	3,450	10	11,700
Korea, Republic of	157	71,300	604	234,000
Malaysia	1	421	2	1,150
Singapore	(4)	157	1	302
Taiwan	105	37,500	285	104,000
Thailand	60	14,800	112	28,400
Vietnam	66	15,800	130	33,100
Other <sup>3</sup>	(4)	110	1	743
Total	1,720	569,000	3,570	1,230,000
Grand total	2,060	648,000	4,990	1,600,000

-- Zero.

<sup>1</sup>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 basis.

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

<sup>3</sup>Includes countries with year to date quantities of less than 500 metric tons.

<sup>4</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 7  
U.S. EXPORTS OF IRON AND STEEL SCRAP BY REGION AND SELECTED CUSTOMS DISTRICT<sup>1,2</sup>

(Thousand metric tons and thousand dollars)

Region and customs district	March 2009		Year to date	
	Quantity	Value	Quantity	Value
<b>Canadian-U.S. Border:</b>				
Buffalo, NY	19	3,690	29	7,760
Chicago, IL	(3)	46	(3)	221
Detroit, MI	19	7,190	49	19,800
Duluth, MN	1	136	6	1,030
Great Falls, MT	(3)	65	2	396
Ogdensburg, NY	30	4,820	64	11,200
Pembina, ND	28	6,700	101	22,700
Other <sup>4</sup>	7	867	17	2,050
Total	104	23,500	268	65,200
<b>East Coast:</b>				
Baltimore, MD	78	24,400	127	42,600
Boston, MA	76	17,800	327	87,500
Charleston, SC	14	5,340	32	12,300
Charlotte, NC	2	996	5	2,450
Miami, FL	35	9,990	99	29,900
New York, NY	182	60,900	528	179,000
Norfolk, VA	17	10,400	65	28,600
Philadelphia, PA	225	55,700	370	95,600
Portland, ME	10	2,380	49	12,900
Providence, RI	67	17,200	102	26,700
Savannah, GA	24	14,800	68	41,800
St. Albans, VT	1	260	3	910
Washington, DC	--	--	(3)	3
Total	731	220,000	1,780	561,000
<b>Gulf Coast and Mexican-U.S. Border (includes Caribbean territories):</b>				
El Paso, TX	1	222	2	416
Houston-Galveston, TX	61	17,900	213	62,300
Laredo, TX	36	6,110	55	10,000
Mobile, AL	8	4,430	26	15,100
New Orleans, LA	223	63,300	473	133,000
San Juan, PR	21	8,790	58	19,800
Tampa, FL	104	35,200	174	58,500
Other	(3)	1	(3)	10
Total	454	136,000	1,000	299,000
<b>West Coast and Hawaii:</b>				
Columbia-Snake, OR	44	13,000	261	78,200
Honolulu, HI and Anchorage, AK	4	1,090	36	12,500
Los Angeles, CA	466	165,000	1,050	387,000
San Diego, CA	1	190	2	435
San Francisco, CA	203	70,100	409	130,000
Seattle, WA	53	18,700	194	64,400
Total	771	268,000	1,950	672,000
Grand total	2,060	648,000	4,990	1,600,000

-- Zero.

<sup>1</sup>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 basis.

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

<sup>3</sup>Less than ½ unit.

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

Source: U.S. Census Bureau.

TABLE 8  
U.S. EXPORTS OF IRON AND STEEL SCRAP AND OTHER FERROUS PRODUCTS BY GRADE<sup>1,2</sup>

(Thousand metric tons and thousand dollars)

Item	March 2009		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	527	154,000	1,280	365,000
No. 2 heavy melting steel	121	35,900	268	76,400
No. 1 bundles	13	3,290	29	7,060
No. 2 bundles	1	345	3	830
Shredded steel scrap	825	213,000	1,960	518,000
Borings, shovelings and turnings	4	590	38	6,460
Cut plate and structural	161	44,000	350	98,600
Tinned iron or steel	7	3,150	21	7,910
Remelting scrap ingots	2	2,120	7	7,900
Cast iron	58	19,100	120	46,100
Other iron and steel	107	37,700	356	128,000
Total carbon steel and cast iron	1,830	513,000	4,430	1,260,000
Stainless steel	103	61,500	248	149,000
Other alloy steel	131	73,300	316	186,000
Total stainless and alloy steel	234	135,000	564	335,000
Total carbon, stainless, alloy steel and cast iron	2,060	648,000	4,990	1,600,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	(3)	101
Used rails for rerolling and other uses	5	3,900	13	9,600
Total scrap exports	2,070	652,000	5,008	1,610,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	(3)	90	(3)	328
Pig iron > 0.5% phosphorus	--	--	(3)	29
Alloy pig iron	(3)	3	(3)	31
Total pig iron	(3)	93	1	388
Direct-reduced iron (DRI)	--	--	(3)	15 <sup>†</sup>
Spongy iron products, not DRI	(3)	201	2	826
Granules for abrasive cleaning and other uses	2	2,370	4	5,850
Powders of alloy steel	(3)	537	1	2,450
Other ferrous powders	5	4,890	17	17,300
Total DRI, granules, powders	7	7,990	24	26,500
Grand total	2,070	660,000	5,030	1,640,000

<sup>†</sup>Revised. --Zero.

<sup>1</sup>Export valuation is on a free-alongside-ship basis.

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

<sup>3</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 9  
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP BY SELECTED COUNTRY<sup>1,2</sup>

(Thousand metric tons and thousand dollars)

Country	March 2009		Year to date	
	Quantity	Value	Quantity	Value
Canada	155	36,600	562	132,000
Mexico	15	5,000	53	16,400
Sweden	--	--	35	6,110
Other <sup>3</sup>	(4)	1,410	(4)	1,890
Total	170	43,000	651	157,000

-- Zero.

<sup>1</sup>Includes tinsplate 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.

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

<sup>3</sup>Includes countries with year to date quantities of less than 500 metric tons.

<sup>4</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 10  
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP  
BY SELECTED CUSTOMS DISTRICT<sup>1,2</sup>

(Thousand metric tons and thousand dollars)

Customs district	March 2009		Year to date	
	Quantity	Value	Quantity	Value
Buffalo, NY	31	10,400	162	44,200
Charleston, SC	(3)	205	36	6,360
Detroit, MI	43	8,030	150	30,100
Duluth, MN	5	700	15	2,610
El Paso, TX	2	896	5	2,170
Great Falls, MT	8	1,640	13	2,690
Houston-Galveston, TX	(3)	1,069	(3)	1,200
Laredo, TX	6	1,850	22	6,510
New Orleans, LA	--	--	(3)	83
Ogdensburg, NY	2	376	6	1,010
Pembina, ND	1	311	3	939
San Diego, CA	6	1,840	23	6,630
Seattle, WA	65	15,200	213	50,800
Other	(3)	575	1	1,510
Total	170	43,000	651	157,000

-- Zero.

<sup>1</sup>Includes tinsplate 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.

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

<sup>3</sup>Less than ½ unit.

Source: U.S. Census Bureau.

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

(Thousand metric tons and thousand dollars)

Item	March 2009		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	8	1,640	38	7,750
No. 2 heavy melting steel	1	111	4	748
No. 1 bundles	37	7,190	129	27,800
No. 2 bundles	3	393	8	1,260
Shredded steel scrap	19	2,350	132	22,200
Borings, shovelings and turnings	2	299	6	1,250
Cut plate and structural	8	1,290	24	4,680
Tinned iron or steel	(3)	100	3	573
Remelting scrap ingots	--	--	--	--
Cast iron	14	2,130	55	9,290
Other iron and steel	25	6,000	83	16,900
Total carbon steel and cast iron	118	21,500	482	92,400
Stainless steel	8	6,260	22	15,500
Other alloy steel	44	15,300	147	48,900
Total stainless and alloy steel	52	21,500	169	64,400
Total carbon, stainless, alloy steel and cast iron	170	43,000	651	157,000
Ships, boats, and other vessels for breaking up (for scrapping)	(3)	29	(3)	29
Total scrap imports	170	43,000	651	157,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	130	57,600	864	387,000
Pig iron > or = 0.5% phosphorus	--	--	--	--
Alloy pig iron	--	--	(3)	13
Total pig iron	130	57,600	865	387,000
Direct-reduced iron (DRI)	--	--	130	55,000
Spongy iron products, not DRI	(3)	184	(3)	635
Granules for abrasive cleaning and other uses	1	514	3	1,980
Powders of alloy steel	3	4,320	7	12,900
Other ferrous powders	3	4,720	7	11,400
Total DRI, granules, powders	7	9,740	147	81,800
Grand total	307	110,000	1,660	625,000

-- Zero.

<sup>1</sup>Import valuation is on a Customs basis.

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

<sup>3</sup>Less than ½ unit.

Source: U.S. Census Bureau.

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

Period	Raw steel production, thousand metric tons		Raw steel capability utilization, percent		Continuous cast steel production, percent	
	Monthly	Year to date <sup>2</sup>	Monthly	Year to date	Monthly	Year to date
2008:						
April	8,380	34,100	90.3	90.5	96.6	96.8
May	8,730	42,800	91.1	90.6	97.1	96.9
June	8,370	51,200	90.3	90.5	97.2	96.9
July	8,520	59,700	88.8	90.3	97.5	97.0
August	8,670	68,400	90.4	90.3	97.4	97.1
September	7,840	76,200	84.5	89.7	97.2	97.1
October	6,760	83,000	70.5	88.0	96.3	97.0
November	4,700	87,700	50.7	84.7	96.5	97.0
December	3,920	91,600	40.9	80.9	96.2	96.9
2009:						
January	3,910	3,910	42.6	42.6	95.9	95.9
February	3,950	7,870	45.5	43.9	96.2	96.0
March	3,950	11,800	42.9	42.9	96.7	96.3
April	3,800	15,600	40.8	42.4	96.7	96.4

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

<sup>2</sup>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 <sup>1</sup>	
	\$/t	\$/t	\$/t	\$/t	\$/t	\$/t
2008:						
April	469.32	461.91	502.10	494.17	657.86	647.47
May	513.65	505.54	516.67	508.51	825.50	812.46
June	500.16	492.26	501.63	493.71	924.56	909.96
July	519.24	511.04	518.83	510.64	944.88	929.96
August	452.78	445.63	457.10	449.89	944.88	929.96
September	311.13	306.22	315.42	310.44	944.88	929.96
October	191.90	188.87	195.83	192.74	870.46	856.71
November	100.74	99.15 <sup>r</sup>	100.00	98.42 <sup>r</sup>	647.19	636.97 <sup>r</sup>
December	176.35	173.56 <sup>r</sup>	168.67	166.00 <sup>r</sup>	647.19	637.97 <sup>r</sup>
Average (Jan - Dec)	356.60	348.02 <sup>r</sup>	354.59	348.99 <sup>r</sup>	739.95	728.27 <sup>r</sup>
2009:						
January	200.17	197.00 <sup>r</sup>	201.74	198.55 <sup>r</sup>	647.19	636.97 <sup>r</sup>
February	188.46	185.48 <sup>r</sup>	186.50	183.55 <sup>r</sup>	355.60	349.98 <sup>r</sup>
March	162.50	159.93 <sup>r</sup>	162.03	159.47 <sup>r</sup>	284.48	279.99 <sup>r</sup>
April	146.74	144.42	143.59	141.32	355.60	349.98
Average (Jan - Apr)	174.47	171.71	173.46	170.72	410.72	404.23

<sup>r</sup>Revised.

<sup>1</sup>Prices are Brazilian basic pig iron, f.o.b. New Orleans, LA.

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