

Mineral Industry Surveys

For information, contact:

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

Hoa P. Phamdang (Data)
Telephone: (703) 648-7965
Fax: (703) 648-7975
Email: hphamdang@usgs.gov

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

IRON AND STEEL SCRAP IN APRIL 2017

On a daily average basis in April 2017, iron and steel scrap consumption increased slightly and home scrap production decreased slightly compared with those in March (table 1). Purchased scrap receipts in April 2017 decreased by 3% from that of March. Stocks of purchased and home scrap at the end of April 2017 were up slightly from those at the end of March. These observations are based upon responses from about 20% of the companies surveyed that manufacture pig iron and semifinished steel products, which account for about 33% of the total scrap consumption in those sectors, and estimates for nonrespondents to this survey.

On a daily average basis in April 2017, pig iron production was unchanged and consumption decreased slightly compared with those of March (table 1). Stocks of pig iron at the end of April 2017 increased by 25% from those at the end of March.

Exports of iron and steel scrap in April 2017 increased by 29% from those in March (table 6). Turkey was the leading destination, accounting for 27% of the total tonnage of exports, followed by Taiwan with 11% and Mexico with 11%. Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports, accounting for 21% of the total, followed by New York City, NY, with 20% and San Francisco, CA, with 11% (table 7).

Imports of iron and steel scrap for April 2017 increased by 21% from those in March (table 9). Canada was the leading

country of origin, accounting for 58% of the total tonnage of imports, followed by the Netherlands with 14% and the United Kingdom with 11%. Detroit, MI, was the leading U.S. Customs district for tonnage of imports, accounting for 22% of the total, followed by Charleston, SC, with 20% and New Orleans, LA, with 15% (table 10).

The daily average domestic raw steel production for April 2017, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, was 223,000 metric tons, up slightly from that in March and up slightly from that in April 2016 (table 12). Raw steel production capability utilization (AISI data) was 74% in March and April 2017, and up from 73% in April 2016 (table 12). The electric furnace portion of raw steel production for April 2017 was 68%, up from 67% in March, and up from 63% in April 2016.

Continuous cast steel production accounted for 99.6% of total raw steel production in April 2017, 99.6% in March 2017, and 99.2% in April 2016 (table 12).

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

(Thousand metric tons)

	April 2017			January–April ³		
	Integrated steel producers ³	Electric furnace steel producers ⁴	Total for steel producers	Integrated steel producers ⁴	Electric furnace steel producers ⁵	Total for steel producers
Scrap:						
Receipts from dealers and other sources	1,460	1,710	3,170	5,890	6,920	12,800
Receipts from other own company plants	32	178	210	143	694	837
Production recirculating scrap	204	143	347	828	575	1,400
Production obsolete scrap	W	W	7	W	W	28
Consumption (by type of furnace):						
Blast furnace	W	W	133	W	W	529
Basic oxygen process	W	W	343	W	W	1,300
Electric furnace	1,230	1,770	3,000	4,900	7,150	12,100
Other (including air furnace) ⁵	W	W	233	W	W	953
Total consumption	1,710	1,990	3,700	6,800	8,040	14,800
Shipments	46	4	50	195	23	217
Stocks, end of period	1,720	2,220	3,940	1,720	2,220	3,940
Pig iron (includes hot metal):						
Receipts	422	104	526	1,500	337	1,840
Production	1,140	--	1,140	4,650	--	4,650
Consumption (by type of furnace):						
Basic oxygen process	W	W	W	W	W	W
Direct castings ⁶	W	W	W	W	W	W
Electric furnace	W	W	W	W	W	W
Total consumption	1,510	66	1,580	6,120	340	6,460
Shipments	--	--	--	W	--	W
Stocks, end of period	189	223	412	189	223	412
Direct-reduced iron:⁷						
Receipts	74	74	148	278	288	566
Total consumption	66	78	144	302	293	595
Stocks, end of period	138	63	201	138	63	201

W Withheld to avoid disclosing company proprietary data; included in "Total for steel producers" and (or) "Total consumption." -- 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. April 2017 data are based on returns from 20% of consumer surveys, representing 33% of scrap consumption during this month, and estimates for nonrespondents of this survey.

³May include revisions to previously published data.

⁴Includes data for electric furnaces operated by integrated steel producers.

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

⁶Includes vacuum melting furnaces and miscellaneous uses.

⁷Includes ingot molds and stools.

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	April 2017				January–April 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 ⁴	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 ⁴
Carbon steel:							
Low-phosphorus plate and punchings	41	W	43	W	165	W	174
Cut structural and plate	268	29	329	296	1,150	115	1,300
No. 1 heavy melting steel	245	40	304	202	1,020	158	1,250
No. 2 heavy melting steel	329	26	361	210	1,310	107	1,460
No. 1 and electric furnace bundles	194	W	194	172	736	W	760
No. 2 and all other bundles	60	W	61	28	245	W	265
Electric furnace 1 foot and under (not bundles)	--	W	W	--	W	W	W
Railroad rails	17	W	18	15	69	W	70
Turnings and borings	173	2	171	156	684	8	690
Slag scrap	38	66	74	119	153	268	287
Shredded and fragmented	931	W	1,020	1,570	3,770	W	4,030
No. 1 busheling	421	21	436	264	1,650	W	1,810
Steel cans (post consumer)	6	--	W	1	23	11	34
All other carbon steel scrap	187	71	280	371	790	281	1,110
Stainless steel scrap	73	27	112	60	299	109	444
Alloy steel scrap	27	16	43	177	109	65	172
Ingot mold and stool scrap	W	W	3	2	W	W	12
Machinery and cupola cast iron	W	--	W	W	W	--	W
Cast iron borings	12	W	12	5	49	W	49
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	89	23	102	93	366	106	456
Other mixed scrap	51	3	108	85	192	15	412
Total	3,170	347	3,700	3,940	12,800	1,400	14,800

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.

³May include revisions to previously published data.

⁴Includes 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	April 2017			January–April 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 ⁴	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 ⁴
Mid-Atlantic and New England:						
New Jersey, New York, Pennsylvania	305	50	382	1,260	201	1,510
North Central:						
Illinois and Indiana	370	33	411	1,490	132	1,690
Iowa, Minnesota, Nebraska, Wisconsin	228	15	249	921	65	996
Michigan	146	48	177	601	192	679
Ohio	409	84	536	1,720	349	2,160
Total	1,150	181	1,370	4,740	738	5,520
South Atlantic:						
Virginia, West Virginia	80	3	107	328	8	441
Georgia, North Carolina, South Carolina	247	18	290	1,050	69	1,130
Total	326	20	396	1,370	78	1,570
South Central:						
Alabama, Kentucky, Mississippi, Tennessee	575	41	655	2,280	165	2,630
Arkansas, Louisiana, Oklahoma, Texas	620	38	649	2,410	156	2,620
Total	1,190	80	1,300	4,690	322	5,260
Mountain and Pacific:						
California, Colorado, Oregon, Utah, Washington	188	16	249	747	65	977
Grand total	3,170	347	3,700	12,800	1,400	14,800

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.

³May include revisions to previously published data.

⁴Includes 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	April 2017					January–April ⁵				
	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	W	--	W	W	41	W	--	W	W
Cut structural and plate	33	76	24	117	W	140	338	106	484	W
No. 1 heavy melting steel	44	81	16	79	24	196	326	65	336	98
No. 2 heavy melting steel	6	92	36	166	W	24	364	140	661	W
No. 1 and electric furnace bundles	7	103	3	78	4	29	417	11	265	W
No. 2 and all other bundles	11	33	W	12	W	40	138	W	W	W
Electric furnace 1 foot and under (not bundles)	--	--	--	--	--	--	W	--	--	--
Railroad rails	W	W	W	4	W	W	W	--	14	W
Turnings and borings	16	54	26	70	7	65	224	W	264	29
Slag scrap	5	27	W	W	W	20	108	6	W	W
Shredded and fragmented	50	277	158	402	43	217	1,140	680	1,580	157
No. 1 busheling	43	152	33	190	2	170	614	147	714	9
Steel cans (post consumer)	W	W	W	--	--	W	W	W	--	--
All other carbon steel scrap	29	118	6	32	2	113	508	W	135	10
Stainless steel scrap	W	W	--	W	--	W	W	--	W	--
Alloy steel scrap	2	23	W	W	--	7	92	W	W	--
Ingot mold and stool scrap	W	W	--	--	--	W	W	--	--	--
Machinery and cupola cast iron	--	W	W	W	--	--	W	W	W	--
Cast iron borings	--	W	W	1	W	W	W	W	4	W
Other iron scrap	4	31	W	6	W	19	127	W	28	W
Other mixed scrap	W	26	W	3	W	W	91	W	16	W
Total	305	1,150	326	1,190	188	1,260	4,740	1,370	4,690	747

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.

⁵May include revisions to previously published data.

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

(Thousand metric tons)

Item	April 2017					January–April ⁴				
	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	W	--	W	W	41	W	--	W	W
Cut structural and plate	42	99	48	121	W	157	386	182	494	W
No. 1 heavy melting steel	52	113	19	96	25	219	454	73	399	103
No. 2 heavy melting steel	10	92	37	187	W	41	380	151	743	W
No. 1 and electric furnace bundles	8	104	3	76	W	29	425	W	280	W
No. 2 and all other bundles	10	33	1	W	W	41	143	W	W	W
Electric furnace 1 foot and under (not bundles)	--	W	--	--	--	--	W	--	--	--
Railroad rails	W	W	--	4	W	W	W	--	15	W
Turnings and borings	16	55	W	65	7	69	231	W	256	29
Slag scrap	10	47	W	13	W	39	183	W	49	W
Shredded and fragmented	59	304	188	431	43	221	1,230	734	1,700	157
No. 1 busheling	45	160	W	192	2	173	649	W	839	9
Steel cans (post consumer)	W	W	W	--	--	W	W	W	--	--
All other carbon steel scrap	41	180	12	43	3	162	714	49	176	11
Stainless steel scrap	53	23	--	W	--	211	88	--	W	--
Alloy steel scrap	9	25	W	W	--	36	102	--	W	--
Ingot mold and stool scrap	W	2	--	W	--	W	7	--	W	--
Machinery and cupola cast iron	--	W	W	W	--	--	W	W	W	--
Cast iron borings	W	W	W	1	W	W	W	W	4	W
Motor blocks	--	W	--	--	--	--	W	--	--	--
Other iron scrap	6	33	W	7	W	23	173	W	31	W
Other mixed scrap	W	33	W	4	W	W	124	W	16	W
Total	382	1,370	396	1,300	249	1,510	5,520	1,570	5,260	977

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.

⁴May include revisions to previously published data.

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	April 2017		January–April ³	
	Quantity	Value	Quantity	Value
North America and South America:				
Canada	74	19,400	290	71,400
Mexico	124	32,300	567	149,000
Ecuador	33	9,140	90	25,200
Peru	--	--	158	43,400
Other ⁴	(5)	92	(5)	230
Total	231	61,000	1,110	289,000
Africa, Europe, Middle East:				
Austria	(5)	11	1	582
Belgium	(5)	78	60	1,080
Finland	1	370	1	380
Germany	(5)	451	21	1,020
Greece	33	8,470	33	8,470
Italy	(5)	274	37	10,100
Kuwait	--	--	94	25,700
Morocco	--	--	12	2,620
Netherlands	(5)	327	12	1,130
Oman	3	20	3	49
Turkey	315	86,100	858	213,000
United Arab Emirates	2	529	7	2,080
United Kingdom	(5)	148	1	756
Other ⁴	(5)	131	1	1,210
Total	354	96,900	1,140	268,000
Asia, Australia, Oceania:				
Bangladesh	1	164	123	32,100
China	101	85,800	415	301,000
Hong Kong	4	3,470	16	11,800
India	63	21,500	139	51,100
Indonesia	49	11,900	59	15,300
Japan	2	1,740	9	8,350
Korea, Republic of	50	14,600	205	60,600
Malaysia	6	1,790	13	4,070
Pakistan	32	14,100	116	50,600
Philippines	1	432	1	983
Singapore	(5)	136	1	481
Taiwan	129	40,900	528	173,000
Thailand	40	10,600	176	47,400
Vietnam	111	31,100	279	77,500
Other ⁴	--	--	(5)	63
Total	588	238,000	2,080	834,000
Grand total	1,170	396,000	4,320	1,390,000

-- Zero.

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.

³May include revisions to previously published data.

⁴Includes countries with January–April 2017 quantities of less than 500 metric tons.

⁵Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF IRON AND STEEL SCRAP BY REGION AND
SELECTED CUSTOMS DISTRICT^{1,2}

(Thousand metric tons and thousand dollars)

Region and customs district	April 2017		January–April ³	
	Quantity	Value	Quantity	Value
Canada–United States border:				
Buffalo, NY	14	4,150	74	16,800
Chicago, IL	(4)	368	1	522
Detroit, MI	16	4,300	56	15,900
Duluth, MN	1	298	3	1,030
Great Falls, MT	2	497	9	2,880
Ogdensburg, NY	1	306	6	1,790
Pembina, ND	25	6,800	91	24,100
Other	5	770	21	3,040
Total	65	17,500	261	66,100
East coast:				
Baltimore, MD	39	13,000	61	25,500
Boston, MA	55	17,000	275	73,900
Charleston, SC	7	5,000	22	17,300
Miami, FL	28	9,540	110	37,400
New York City, NY	239	81,000	653	228,000
Norfolk, VA	12	9,610	58	40,300
Philadelphia, PA	(4)	84	217	50,700
Portland, ME	27	7,280	38	9,650
Providence, RI	36	9,210	180	47,000
Savannah, GA	18	9,960	138	29,200
St. Albans, VT	3	1,190	11	2,670
Other	(4)	131	1	734
Total	465	163,000	1,760	562,000
Gulf coast and Mexico–United States border (includes Caribbean territories):				
El Paso, TX	10	2,830	28	8,080
Houston–Galveston, TX	21	10,000	91	40,800
Laredo, TX	34	9,360	160	46,300
Mobile, AL	(4)	325	1	1,160
New Orleans, LA	(4)	72	1	375
San Juan, PR	3	681	33	8,120
Tampa, FL	9	3,130	57	18,200
Other	(4)	53	(4)	138
Total	77	26,500	372	123,000
West coast and Hawaii:				
Columbia–Snake, OR	74	17,800	187	47,700
Honolulu, HI, and Anchorage, AK	3	727	30	7,800
Los Angeles, CA	246	101,000	858	339,000
San Diego, CA	45	9,530	121	26,100
San Francisco, CA	129	38,100	489	143,000
Seattle, WA	70	22,100	243	76,300
Total	567	189,000	1,930	640,000
Grand total	1,170	396,000	4,320	1,390,000

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.

³May include revisions to previously published data.

⁴Less than ½ 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	April 2017		January–April ³	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	328	87,600	1,210	320,000
No. 2 heavy melting steel	67	16,600	215	53,500
No. 1 bundles	9	1,780	111	6,450
No. 2 bundles	--	--	1	119
Shredded steel scrap	341	94,500	1,460	394,000
Borings, shoveling and turnings	1	201	3	521
Cut plate and structural	62	16,900	155	39,500
Tinned iron or steel	6	2,210	24	7,690
Remelting scrap ingots	1	618	2	984
Cast iron	55	21,700	97	37,000
Other iron and steel	183	66,100	701	256,000
Total carbon steel and cast iron	1,050	308,000	3,970	1,120,000
Stainless steel	31	50,300	157	163,000
Other alloy steel	89	37,700	193	113,000
Total stainless and alloy steel	120	87,900	350	275,000
Total carbon, stainless, alloy steel and cast iron	1,170	396,000	4,320	1,390,000
Ships, boats, and other vessels for breaking up (for scrapping)	(4)	33	1	118
Used rails for rerolling and other uses	(4)	508	2	4,400
Total scrap exports	1,170	397,000	4,330	1,400,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	2	903	12	4,610
Pig iron > or = 0.5% phosphorus	(4)	23	(4)	51
Alloy pig iron	(4)	31	(4)	110
Total pig iron	2	957	13	4,770
Direct-reduced iron (DRI)	80	22,700	269	69,400
Spongy iron products, not DRI	63	20,800	86	35,500
Granules for abrasive cleaning and other uses	3	3,560	10	13,200
Powders of alloy steel	2	5,730	8	20,000
Other ferrous powders	8	8,690	31	34,600
Total DRI, granules, powders	155	61,500	403	173,000
Grand total	1,330	459,000	4,740	1,570,000

-- 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.

³May include revisions to previously published data.

⁴Less than ½ 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	April 2017		January–April ³	
	Quantity	Value	Quantity	Value
Bahamas	1	69	3	263
Brazil	1	842	2	2,840
Canada	299	81,300	1,050	307,000
China	(4)	64	1	368
Curacao	(4)	68	1	148
Germany	6	7,450	7	7,690
Mexico	29	14,200	113	55,200
Netherlands	70	18,700	101	27,100
Sweden	51	14,900	126	36,700
United Kingdom	59	19,200	254	75,900
Venezuela	--	--	12	1,760
Other ⁵	1	879	3	3,150
Total	517	158,000	1,670	518,000

-- Zero.

¹Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ship, 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.

³May include revisions to previously published data.

⁴Less than ½ unit.

⁵Includes countries with January–April 2017 quantities of less than 500 metric tons.

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	April 2017		January–April ³	
	Quantity	Value	Quantity	Value
Buffalo, NY	46	21,400	207	89,400
Charleston, SC	102	27,500	179	49,100
Cleveland, OH	33	838	34	1,020
Detroit, MI	112	35,100	485	149,000
Duluth, MN	7	1,740	23	5,850
El Paso, TX	4	1,560	15	5,510
Great Falls, MT	2	516	8	1,900
Houston–Galveston, TX	1	1,440	3	3,880
Laredo, TX	18	8,790	65	31,900
Los Angeles, CA	(4)	57	1	261
Miami, FL	1	101	3	512
Mobil, AL	42	21,800	100	42,600
New Orleans, LA	77	21,900	269	77,100
Nogales, AZ	1	241	3	858
Ogdensburg, NY	1	621	4	2,790
Pembina, ND	6	1,580	25	7,180
Portland, ME	(4)	268	2	1,110
San Diego, CA	3	1,310	14	6,000
Seattle, WA	59	10,200	223	39,000
St. Albans, VT	2	357	5	1,010
Wilmington, NC	(4)	58	1	231
Other	(4)	328	1	1,740
Total	517	158,000	1,670	518,000

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.

³May include revisions to previously published data.

⁴Less than ½ unit.

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	April 2017		January–April ³	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	9	2,240	47	11,400
No. 2 heavy melting steel	8	1,900	33	7,430
No. 1 bundles	155	48,100	484	148,000
No. 2 bundles	2	584	19	4,440
Shredded steel scrap	127	32,700	417	106,000
Borings, shovelings and turnings	4	947	23	5,020
Cut plate and structural	15	3,830	58	14,800
Tinned iron or steel	9	2,520	29	8,640
Remelting scrap ingots	--	--	(4)	87
Cast iron	40	3,010	64	9,940
Other iron and steel	80	21,200	202	49,100
Total carbon steel and cast iron	450	117,000	1,380	365,000
Stainless steel	25	27,800	98	102,000
Other alloy steel	42	12,800	195	50,300
Total stainless and alloy steel	67	40,500	293	153,000
Total carbon, stainless, alloy steel and cast iron	517	158,000	1,670	518,000
Ships, boats, and other vessels for breaking up (for scrapping)	(4)	216	(4)	230
Used rails for rerolling and other uses	6	1,710	23	7,070
Total scrap imports	522	160,000	1,690	526,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	490	157,000	1,550	485,000
Pig iron > or = 0.5% phosphorus	--	--	26	8,110
Alloy pig iron	(4)	52	(4)	165
Total pig iron	490	157,000	1,580	493,000
Direct-reduced iron (DRI)	384	91,800	1,190	263,000
Spongy iron products, not DRI	(4)	58	1	1,560
Granules for abrasive cleaning and other uses	2	2,380	10	9,600
Powders of alloy steel	7	9,870	23	34,700
Other ferrous powders	4	6,500	16	26,100
Total DRI, granules, powders	397	111,000	1,240	335,000
Grand total	1,410	427,000	4,510	1,350,000

-- Zero.

¹Import valuation is on a Customs basis.

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

³May include revisions to previously published data.

⁴Less than ½ 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 ²	Monthly	Year to date ²
2016:						
April	6,600	26,300	72.6	71.6	99.2	99.2
May	6,980	33,200	74.3	72.1	99.6	99.3
June	6,820	40,100	75.1	72.6	99.2	99.3
July	6,700	46,800	71.3	72.4	99.5	99.3
August	6,650	53,400	70.8	72.2	99.7	99.3
September	6,190	59,600	68.0	71.8	99.4	99.4
October	6,230	65,800	65.4	71.1	99.6	99.4
November	6,190	72,000	67.1	70.8	99.6	99.4
December	6,460	78,500	67.8	70.5	99.6	99.4
2017:						
January	6,980	6,980	73.3	73.3	99.6	99.6
February	6,420	13,400	75.9	75.2	99.6	99.6
March	6,890	20,300	73.6	74.6	99.6	99.6
April	6,690	27,000	73.6	74.6	99.6	99.6

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

²May include revisions to previously published data.

Source: American Iron and Steel Institute.

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

Period	American Metal Market		Scrap Price Bulletin			
	No. 1 HMS		No. 1 HMS		Pig Iron ¹	
	\$/lt	\$/t	\$/lt	\$/t	\$/lt	\$/t
2016:						
April	210.01	206.69	209.75	206.44	254.00	249.99
May	241.27	237.46	245.83	241.95	299.72	294.99
June	223.21	219.68	221.42	217.92	299.72	294.99
July	208.40	205.11	211.42	208.08	295.91	291.24
August	208.90	205.60	209.84	206.53	292.10	287.49
September	196.64	193.53	197.67	194.55	275.59	271.24
October	179.20	176.37	178.84	176.01	268.22	263.99
November	200.45	197.28	206.42	203.16	274.32	269.99
December	238.49	234.72	245.72	241.84	321.73	316.65
Average, January–December	198.98	195.84	201.99	198.80	271.33	267.04
2017:						
January	274.26	269.93	221.74	218.24	345.44	339.98
February	255.72	251.68	261.58	257.45	345.44	339.98
March	281.38	276.94	295.17	290.51	417.83	411.23
April	263.66	259.50	272.67	268.36	417.83	411.23

¹Prices are Brazilian basic pig iron, f.o.b. New Orleans, LA.

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