

Mineral Industry Surveys

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IRON AND STEEL SCRAP IN SEPTEMBER 2019

Iron and steel scrap consumption increased slightly, recirculating scrap production was essentially unchanged, and purchased scrap receipts decreased slightly in September 2019 compared with those of August 2019 (fig. 1). Stocks of purchased and home scrap at the end of September 2019 increased slightly from those at the end of August 2019. In September 2019, pig iron production decreased by 9% and consumption decreased by 7% from August 2019 (table 1).

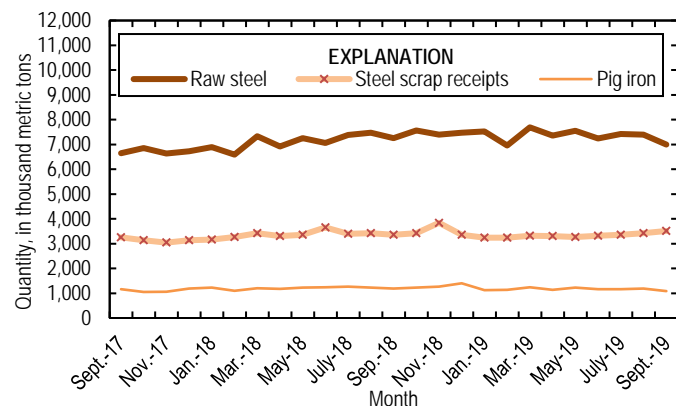


Figure 1. Monthly domestic production of raw steel, receipts of iron and steel scrap, and production of pig iron from September 2017 through September 2019. Source: U.S. Geological Survey and American Iron and Steel Institute.

Exports of iron and steel scrap in September 2019 decreased by 27% from those in August 2019 (fig. 2). Turkey was the leading destination for exports, accounting for 22% of the total tonnage, followed by Bangladesh and Mexico (13% each) (table 6). Los Angeles, CA, was the leading U.S. Customs district by tonnage of exports, accounting for 16% of the total, followed by New York City, NY, (16%) and Laredo, TX, (9%) (table 7).

Imports of iron and steel scrap for September 2019 decreased by 5% from those in August 2019 (fig. 2). Canada was the leading country of origin, accounting for 67% of the total tonnage of imports, followed by Mexico and the United Kingdom (12% each) (table 9). Detroit, MI, was the leading

U.S. Customs district by tonnage of imports, accounting for 39% of the total, followed by Seattle, WA, (18%) and New Orleans, LA, (13%) (table 10).

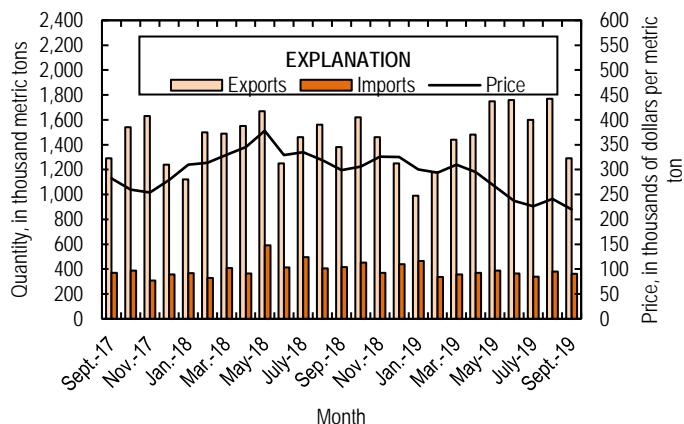


Figure 2. Monthly domestic imports and exports of iron and steel scrap and price for No. 1 heavy melting steel scrap from September 2017 through September 2019. Source: U.S. Census Bureau and American Metal Market.

The daily average domestic raw steel production for September 2019, as calculated from the American Iron and Steel Institute’s monthly production data, was 233,000 metric tons, a slight decrease from that in August 2019 and a 3% decrease from that in September 2018. Raw steel production capability utilization was 77.4% in September 2019, down from 79.1% in August 2019 and 79.6% in September 2018. Continuous cast steel production accounted for 99.8% of total raw steel production in September 2019 (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)

	September 2019			January–September ³		
	Integrated steel producers ⁴	Electric furnace steel producers ⁵	Total for steel producers	Integrated steel producers ⁴	Electric furnace steel producers ⁵	Total for steel producers
Scrap:						
Receipts from dealers and other sources	1,490	2,030	3,510	13,100	17,300	30,400
Receipts from other own company plants	70	169	240	721	1,400	2,120
Production, recirculating scrap	246	167	413	2,210	1,530	3,740
Production, obsolete scrap	W	W	W	W	W	W
Consumption (by type of furnace):						
Blast furnace	W	W	130	W	W	1,220
Basic oxygen process	W	W	338	W	W	3,390
Electric furnace	1,260	2,140	3,390	11,100	18,700	29,700
Other (including air furnace) ⁶	W	W	194	W	W	1,480
Total consumption	1,700	2,360	4,060	15,600	20,300	35,800
Shipments	116	6	122	1,050	60	1,110
Stocks, end of period	1,800	2,640	4,440	1,800	2,640	4,440
Pig iron (includes hot metal):						
Receipts	121	130	251	1,050	805	1,860
Production	1,080	--	1,080	10,400	--	10,400
Consumption (by type of furnace):						
Basic oxygen process	W	W	W	W	W	W
Direct castings ⁷	W	W	W	W	W	W
Electric furnace	W	W	W	W	W	W
Total consumption	1,210	92	1,300	11,600	834	12,400
Stocks, end of period	164	242	406	164	242	406
Direct-reduced iron:⁸						
Receipts	102	101	203	1,020	901	1,920
Total consumption	101	112	213	1,020	909	1,930
Stocks, end of period	179	141	320	179	141	320

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. September 2019 data are based on returns from 54% of consumer surveys, representing 60% 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.

⁸Includes 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	September 2019				January–September 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	14	W	16	W	123	W	142
Cut structural and plate	399	56	458	360	3,360	492	3,940
No. 1 heavy melting steel	277	43	313	191	2,440	386	2,840
No. 2 heavy melting steel	391	24	436	233	3,420	249	3,880
No. 1 and electric furnace bundles	171	--	152	167	1,390	--	1,420
No. 2 and all other bundles	72	W	70	32	648	W	667
Electric furnace 1 foot and under (not bundles)	W	W	W	W	W	W	W
Railroad rails	18	--	19	12	167	--	171
Turnings and borings	168	W	171	213	1,430	W	1,460
Slag scrap	36	58	67	99	319	565	582
Shredded and fragmentized	1,030	W	1,150	1,880	9,040	W	10,000
No. 1 busheling	449	W	434	367	3,410	W	3,670
Steel cans (post consumer)	W	W	W	W	W	W	W
All other carbon steel scrap	180	107	309	439	1,770	947	2,870
Stainless steel scrap	65	30	102	64	610	271	932
Alloy steel scrap	27	17	43	172	241	151	347
Ingot mold and stool scrap	W	W	3	2	W	W	26
Machinery and cupola cast iron	3	--	3	W	24	--	26
Cast iron borings	11	W	11	4	98	W	101
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	129	20	151	78	1,150	185	1,380
Other mixed scrap	59	12	116	96	554	86	1,040
Total	3,510	413	4,060	4,440	30,400	3,740	35,800

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	September 2019			January–September 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	323	49	381	3,000	458	3,560
North Central:						
Illinois and Indiana	452	79	564	3,860	704	4,840
Iowa, Minnesota, Nebraska, Wisconsin	221	9	249	2,000	154	2,240
Michigan	116	53	137	1,230	493	1,390
Ohio	418	91	518	3,890	839	4,780
Total	1,210	232	1,470	11,000	2,190	13,200
South Atlantic:						
Georgia, North Carolina, South Carolina	267	17	268	2,340	151	2,510
Virginia, West Virginia	293	26	338	2,440	189	2,740
Total	560	44	605	4,780	340	5,250
South Central:						
Alabama, Kentucky, Mississippi, Tennessee	636	36	695	5,000	308	5,930
Arkansas and Texas	526	40	588	4,270	340	4,920
Total	1,160	76	1,280	9,270	647	10,800
Mountain and Pacific:						
California, Colorado, Oregon, Utah, Washington	263	12	320	2,380	110	2,930
Grand total	3,510	413	4,060	30,400	3,740	35,800

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	September 2019					January–September 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	92	W	--	W	W
Cut structural and plate	32	98	W	125	W	296	837	W	1,010	W
No. 1 heavy melting steel	47	102	43	61	23	431	879	362	554	212
No. 2 heavy melting steel	9	86	103	155	W	79	751	891	1,360	W
No. 1 and electric furnace bundles	W	82	W	67	W	W	774	W	426	W
No. 2 and all other bundles	8	45	W	W	W	88	399	W	W	W
Electric furnace 1 foot and under (not bundles)	--	W	--	W	--	--	W	--	W	--
Railroad rails	W	W	--	4	W	W	W	W	32	W
Turnings and borings	17	56	33	54	7	163	447	281	476	65
Slag scrap	6	23	2	W	W	52	208	21	W	W
Shredded and fragmentized	63	312	180	378	91	550	2,920	1,510	3,240	827
No. 1 busheling	46	150	W	221	2	415	1,370	W	1,350	17
Steel cans (post consumer)	W	W	--	--	--	W	W	W	--	--
All other carbon steel scrap	25	123	W	25	2	303	1,170	W	230	22
Stainless steel scrap	W	W	--	W	--	W	W	--	W	--
Alloy steel scrap	2	23	--	W	--	14	205	W	W	--
Ingot mold and stool scrap	--	W	--	--	--	W	W	--	--	--
Machinery and cupola cast iron	W	W	W	W	--	W	W	W	W	--
Cast iron borings	W	W	W	--	W	W	W	W	--	W
Motor blocks	--	W	--	W	--	--	W	--	W	--
Other iron scrap	5	49	--	W	W	43	454	--	W	W
Other mixed scrap	W	23	W	4	W	W	218	W	34	W
Total	323	1,210	560	1,160	263	3,000	11,000	4,780	9,270	2,380

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	September 2019					January–September 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	93	W	--	W	W
Cut structural and plate	37	117	W	120	W	340	1,040	W	1,010	W
No. 1 heavy melting steel	49	125	43	71	25	463	1,150	369	628	223
No. 2 heavy melting steel	13	89	112	179	W	117	776	981	1,610	W
No. 1 and electric furnace bundles	W	83	W	47	W	W	780	W	445	W
No. 2 and all other bundles	8	46	W	W	W	89	400	W	W	W
Electric furnace 1 foot and under (not bundles)	--	W	--	W	--	--	W	--	W	--
Railroad rails	W	W	W	4	W	W	W	W	32	W
Turnings and borings	20	58	33	53	7	172	465	284	477	65
Slag scrap	8	43	2	11	W	82	362	21	99	W
Shredded and fragmented	62	358	171	467	91	567	3,200	1,540	3,870	827
No. 1 busheling	46	159	W	199	2	420	1,450	W	1,520	17
Steel cans (post consumer)	W	W	--	--	--	W	W	W	--	--
All other carbon steel scrap	40	220	W	42	3	433	2,020	W	352	24
Stainless steel scrap	46	20	--	W	--	411	W	--	W	--
Alloy steel scrap	10	25	W	W	--	86	226	W	W	--
Ingot mold and stool scrap	W	2	--	W	--	W	15	--	W	--
Machinery and cupola cast iron	W	W	W	W	--	W	W	W	W	--
Cast iron borings	W	W	W	--	W	W	W	W	--	W
Motor blocks	--	W	--	W	--	--	W	--	W	--
Other iron scrap	7	58	--	W	W	57	559	--	46	W
Other mixed scrap	W	29	W	4	W	W	304	W	34	W
Total	381	1,470	605	1,280	320	3,560	13,200	5,250	10,800	2,930

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
OR LOCALITY^{1,2}

(Thousand metric tons and thousand dollars)

Region and country or locality	September 2019		January–September ³	
	Quantity	Value	Quantity	Value
North America and South America:				
Brazil	(4)	8	2	796
Canada	160	11,000	1,490	142,000
Cayman Islands	(4)	109	1	238
Colombia	--	--	42	13,800
Dominican Republic	(4)	121	1	422
Ecuador	1	135	73	21,300
Guatemala	(4)	36	34	9,800
Mexico	172	24,200	1,070	250,000
Peru	--	--	256	75,800
Other ⁵	(4)	145	1	782
Total	333	35,700	2,970	516,000
Africa, Europe, Middle East:				
Austria	(4)	456	1	2,160
Belgium	1	487	12	7,830
Egypt	45	11,200	397	110,000
Germany	(4)	318	9	5,550
Greece	33	7,770	140	39,600
Italy	1	1,030	49	27,200
Kuwait	--	--	236	72,300
Netherlands	(4)	454	3	2,950
Russia	(4)	324	1	947
Saudi Arabia	27	7,160	250	72,100
Spain	(4)	314	5	3,770
Sweden	(4)	109	1	1,390
Turkey	279	71,700	2,710	768,000
United Arab Emirates	1	626	16	7,270
United Kingdom	(4)	661	5	2,670
Other ⁵	(4)	72	3	1,220
Total	389	103,000	3,830	1,130,000
Asia, Australia, Oceania:				
Australia	(4)	44	1	512
Bangladesh	170	48,800	724	219,000
China	5	3,130	55	36,400
Hong Kong	5	5,300	103	77,800
India	47	32,000	724	373,000
Indonesia	18	6,240	231	74,900
Japan	4	2,880	85	36,300
Korea, Republic of	36	14,400	849	260,000
Malaysia	67	36,100	620	255,000
Pakistan	49	20,800	372	165,000
Philippines	3	1,940	21	13,700
Singapore	1	227	6	5,030
Taiwan	116	43,900	1,310	472,000
Thailand	12	8,500	234	96,500
Vietnam	35	10,400	1,110	320,000
Other ⁵	(4)	106	1	548
Total	568	235,000	6,440	2,400,000
Grand total	1,290	373,000	13,200	4,050,000

-- 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.

⁴Less than ½ unit.

⁵Includes countries with January–September 2019 quantities of less than 500 metric tons.

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	September 2019		January–September ³	
	Quantity	Value	Quantity	Value
Canada–United States border:				
Buffalo, NY	7	2,300	87	28,400
Chicago, IL	(4)	540	4	3,120
Cleveland, OH	--	--	1	670
Detroit, MI	8	2,600	141	32,800
Duluth, MN	(4)	112	9	3,360
Great Falls, MT	1	125	9	2,140
Ogdensburg, NY	3	652	34	8,060
Pembina, ND	12	3,070	196	51,300
Other	118	782	958	6,940
Total	150	10,200	1,440	137,000
East coast:				
Baltimore, MD	43	14,400	418	140,000
Boston, MA	68	18,800	737	219,000
Charleston, SC	8	5,920	95	54,300
Miami, FL	34	12,000	419	147,000
New York City, NY	204	72,800	1,990	690,000
Norfolk, VA	25	12,400	236	119,000
Philadelphia, PA	97	22,600	720	200,000
Portland, ME	4	757	58	15,000
Providence, RI	21	5,650	523	149,000
Savannah, GA	12	7,770	138	78,400
St. Albans, VT	5	887	39	8,860
Wilmington, NC	(4)	284	3	2,120
Total	521	174,000	5,370	1,820,000
Gulf coast and Mexico–United States border (includes Caribbean territories):				
Dallas–Fort Worth, TX	--	--	(4)	23
El Paso, TX	27	5,460	137	36,100
Houston–Galveston, TX	53	20,600	332	144,000
Laredo, TX	115	11,600	583	136,000
Mobile, AL	1	665	8	5,460
New Orleans, LA	2	2,390	83	41,200
Nogales, AZ	--	--	1	196
San Juan, PR	8	2,380	143	40,300
Tampa, FL	13	4,330	198	68,500
Total	218	47,400	1,490	472,000
West coast and Hawaii:				
Columbia–Snake, OR	33	9,930	562	163,000
Honolulu, HI, and Anchorage, AK	2	619	100	28,600
Los Angeles, CA	209	80,700	2,320	812,000
San Diego, CA	11	1,870	169	27,600
San Francisco, CA	100	31,300	1,270	400,000
Seattle, WA	47	17,200	534	184,000
Total	402	142,000	4,950	1,610,000
Grand total	1,290	373,000	13,200	4,050,000

-- 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.

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	September 2019		January–September ³	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	341	87,400	3,830	1,100,000
No. 2 heavy melting steel	49	16,500	565	175,000
No. 1 bundles	79	2,080	118	8,690
No. 2 bundles	5	1,490	6	1,810
Shredded steel scrap	329	91,300	3,930	1,170,000
Borings, shovelings and turnings	1	291	16	4,300
Cut plate and structural	47	12,500	382	114,000
Tinned iron or steel	5	2,630	66	20,600
Remelting scrap ingots	1	245	5	2,900
Cast iron	107	64,000	998	476,000
Other iron and steel	153	44,000	1,780	514,000
Total carbon steel and cast iron	1,120	323,000	11,700	3,580,000
Stainless steel	30	30,900	321	264,000
Other alloy steel	144	19,900	1,230	198,000
Total stainless and alloy steel	174	50,800	1,550	461,000
Total carbon, stainless, alloy steel and cast iron	1,290	373,000	13,200	4,050,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	3	475
Used rails for rerolling and other uses	(4)	567	8	11,200
Total scrap exports	1,290	374,000	13,300	4,060,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	(4)	155	3	1,430
Pig iron > or = 0.5% phosphorus	(4)	34	3	279
Pig iron alloy	--	--	(4)	42
Total pig iron	1	189	6	1,750
Direct-reduced iron (DRI)	2	250	100	30,400
Spongy iron products, not DRI	37	11,700	546	203,000
Granules for abrasive cleaning and other uses	2	2,910	24	28,600
Powders of alloy steel	1	5,290	13	61,600
Other ferrous powders	6	7,330	48	67,500
Total DRI, granules, powders	49	27,500	731	391,000
Grand total	1,340	402,000	14,000	4,450,000

-- 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 OR LOCALITY^{1,2}

(Thousand metric tons and thousand dollars)

Country or locality	September 2019		January–September ³	
	Quantity	Value	Quantity	Value
Bahamas	(4)	22	2	253
Belgium	--	--	49	16,100
Brazil	(4)	95	1	1,010
Canada	241	67,500	2,290	698,000
Cayman Islands	(4)	86	2	453
Chile	(4)	60	1	723
China	(4)	19	1	923
Estonia	--	--	1	181
Germany	3	134	16	1,470
India	(4)	85	2	858
Japan	1	90	9	1,540
Marshall Islands	3	524	5	1,000
Mexico	42	14,100	483	166,000
Netherlands	27	8,140	148	47,700
Russia	(4)	38	1	348
Spain	--	--	10	3,570
St. Kitts and Nevis	(4)	5	3	316
Sweden	--	--	227	77,200
Taiwan	(4)	68	1	895
Trinidad and Tobago	--	--	2	560
United Kingdom	44	15,300	102	35,700
Other ⁵	(4)	159	3	2,530
Total	361	106,000	3,360	1,060,000

-- 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–September 2019 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	September 2019		January–September ³	
	Quantity	Value	Quantity	Value
Buffalo, NY	22	9,390	259	119,000
Charleston, SC	28	8,240	204	62,600
Chicago, IL	(4)	85	19	2,840
Cleveland, OH	(4)	25	1	1,080
Detroit, MI	139	40,000	1,200	380,000
Duluth, MN	2	380	45	16,000
El Paso, TX	7	1,770	69	19,700
Great Falls, MT	4	956	22	5,370
Houston–Galveston, TX	(4)	176	5	3,910
Laredo, TX	25	8,840	313	110,000
Los Angeles, CA	(4)	47	1	1,100
Miami, FL	(4)	93	6	995
Mobile, AL	3	1,560	94	40,400
New Orleans, LA	47	15,400	337	110,000
Nogales, AZ	4	897	30	8,290
Ogdensburg, NY	(4)	416	4	2,840
Pembina, ND	11	3,330	120	35,900
Philadelphia, PA	--	--	9	777
San Diego, CA	3	1,010	39	9,650
Seattle, WA	65	13,300	572	122,000
St. Albans, VT	1	201	11	2,620
Other	(4)	287	2	2,050
Total	361	106,000	3,360	1,060,000

-- Zero.

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	September 2019		January–September ³	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	15	3,170	108	24,200
No. 2 heavy melting steel	7	1,560	59	13,800
No. 1 bundles	149	44,800	1,010	336,000
No. 2 bundles	10	2,400	83	24,900
Shredded steel scrap	23	5,320	409	112,000
Borings, shovelings and turnings	5	919	42	8,240
Cut plate and structural	8	2,130	84	23,300
Tinned iron or steel	9	2,720	103	34,400
Remelting scrap ingots	--	--	1	594
Cast iron	8	1,960	96	22,600
Other iron and steel	71	15,600	794	199,000
Total carbon steel and cast iron	305	80,700	2,790	799,000
Stainless steel	18	15,800	156	141,000
Other alloy steel	38	10,000	419	117,000
Total stainless and alloy steel	56	25,800	576	259,000
Total carbon, stainless, alloy steel and cast iron	361	106,000	3,360	1,060,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	(4)	56
Used rails for rerolling and other uses	4	1,180	13	4,850
Total scrap imports	365	108,000	3,380	1,060,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	--	--	3	1,170
Pig iron > or = 0.5% phosphorus	445	156,000	4,110	1,470,000
Alloy pig iron	(4)	19	(4)	213
Total pig iron	445	156,000	4,110	1,470,000
Direct-reduced iron (DRI)	243	70,200	2,430	635,000
Spongy iron products, not DRI	(4)	701	3	6,400
Granules for abrasive cleaning and other uses	2	2,610	22	28,400
Powders of alloy steel	5	8,550	44	81,400
Other ferrous powders	4	6,000	39	67,100
Total DRI, granules, powders	254	88,000	2,530	819,000
Grand total	1,070	352,000	10,000	3,350,000

-- 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
2018:						
September	7,260	64,200	79.6	77.5	98.2	98.2
October	7,560	71,700	80.2	77.8	98.2	98.2
November	7,400	79,100	81.2	78.1	98.2	98.2
December	7,480	86,600	79.4	78.2	98.2	98.2
2019:						
January	7,520	7,520	80.4	80.4	98.1	98.1
February	6,960	14,500	82.4	81.3	99.7	99.7
March	7,690	22,200	82.2	81.6	99.8	99.7
April	7,360	29,500	81.3	81.5	99.8	99.8
May	7,550	37,100	80.8	81.4	99.8	99.8
June	7,240	44,300	80.1	81.2	99.7	99.7
July	7,420	51,700	79.4	80.9	99.8	99.7
August	7,400	59,100	79.1	80.7	99.8	99.8
September	7,000	66,100	77.4	80.3	99.8	99.7

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 STEEL SCRAP AND PIG IRON

Period	Steel Scrap ¹		Pig Iron ²	
	\$/lt	\$/t	\$/lt	\$/t
2018:				
September	304.21	299.41	390.23	384.07
October	311.01	306.09	460.00	452.74
November	331.33	326.10	462.83	455.52
December	329.93	324.72	396.44	390.18
Average, January–December	328.17	326.36	408.40	401.95
2019:				
January	305.19	300.37	395.27	389.03
February	298.33	293.62	385.38	379.29
March	314.84	309.87	375.48	369.55
April	299.44	294.71	313.15	308.20
May	270.53	266.26	377.94	371.97
June	240.17	236.38	336.49	331.18
July	229.54	225.91	328.61	323.42
August	244.69	240.83	354.49	348.89
September	223.33	219.80	355.72	350.10

¹Prices are for No. 1 heavy melting steel scrap. Source: American Metal Market.

²Prices are Brazilian basic pig iron, free on board, New Orleans, LA. Source: U.S. Census Bureau. Series was revised in January 2019 to reflect the new source of data.

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