

# Mineral Industry Surveys

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## IRON AND STEEL SCRAP IN SEPTEMBER AND OCTOBER 2008

On a daily average basis in September 2008, estimated consumption of iron and steel scrap was up slightly, net receipts were up slightly, and home scrap production was up more than 4%, compared with that of August 2008, according to the U.S. Geological Survey. On a daily average basis in October 2008, estimated consumption of iron and steel scrap was down 13%, net receipts of purchased scrap were down 14%, and home scrap production was down 8% from those of September 2008. Stocks of purchased and home scrap at the end of September 2008 were up 5% from those of August 2008, and up slightly in October 2008 from those in September 2008. These observations are based upon responses from about 52% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent about 53% of the total scrap consumption in those sectors, and estimates for nonrespondents to this survey.

On a daily average basis, pig iron production in September 2008 was down 7% from that in August 2008. Pig iron production in October 2008 was down 19% from that in September 2008. Pig iron consumption in September 2008 was down 5% from that in August 2008 and down 18% in October 2008 from that in September 2008. Stocks of pig iron at the end of September 2008 were up 15% from those at the end of August 2008 and up 28% at the end of October 2008 from those at the end of September 2008.

Exports of iron and steel scrap for the month of August 2008 decreased slightly from those of July 2008. Turkey was the leading country of destination, accounting for 19% of the total tonnage of exports, followed by the Republic of Korea, with 11%, and China, with 10% (table 6). Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports, accounting for 28% of the total, followed by New York, NY, with 17%, and Boston, MA, with 9% (table 7).

Exports of iron and steel scrap for the month of September 2008 decreased 34% from those of August 2008. Turkey was the leading country of destination, accounting for 32% of the total tonnage of exports, followed by China, with 19%, and Canada, with 12% (table 6a). Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports, accounting for

30% of the total, followed by New Orleans, LA, with 13%, and New York, NY, with 13% (table 7a).

Imports of iron and steel scrap for August 2008 increased 5% from those of July 2008. Canada was the leading country of origin, accounting for 65% of the total tonnage of imports, followed by Mexico, with 12%, and the United Kingdom, with 10% (table 9). Detroit, MI, was the leading U.S. Customs district for tonnage of imports, accounting for 25% of the total, followed by Seattle, WA, with 22%, and New Orleans, LA, with 11% (table 10).

Imports of iron and steel scrap for September 2008 decreased 21% from those of August 2008. Canada was the leading country of origin, accounting for 75% of the total tonnage of imports, followed by Mexico with 13%, and Sweden, with 6% (table 9a). Detroit, MI, was the leading U.S. Customs district for tonnage of imports, accounting for 28% of the total, followed by Seattle, WA, with 23%, and New Orleans, LA, with 11% (table 10a).

The daily average domestic raw steel production for September 2008, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, amounted to 261,000 metric tons (t), down 7% from 280,000 t in August 2008, and down 2% from 265,000 t in September 2007 (table 12). The electric furnace portion of raw steel production for September 2008 was 58%, the same as that in August 2008, and down slightly from that in September 2007.

The daily average domestic raw steel production for October 2008, as calculated from the AISI's monthly production data, amounted to 218,000 t, down 17% from 261,000 t in September 2008, and down 20% from 274,000 t in October 2007 (table 12). The electric furnace portion of raw steel production for October 2008 was 58%, about the same as that in September 2008 and in October 2007.

Raw steel production capability utilization (AISI data) in September 2008 was 85%, down from 90% in August 2008, and down from 87% in September 2007 (table 12). Raw steel production capability utilization in October 2008 was 71%, down from 85% in September 2008, and down from 89% in October 2007 (table 12).

Continuous cast steel production in the United States (AISI data) accounted for 97% of total raw steel production in September 2008, the same as in August 2008 and in September

2007. Continuous cast steel production accounted for 96% of total raw steel production in October 2008, down slightly from 97% in both September 2008 and October 2007.

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

(Thousand metric tons)

	September 2008			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	1,590	3,290	4,880	14,300	30,100	44,400
Receipts from other own company plants	93	206	299	315	1,930	2,240
Production recirculating scrap	410	331	741	3,510	2,940	6,450
Production obsolete scrap	W	W	7	W	W	85
<b>Consumption (by type of furnace):</b>						
Blast furnace	W	W	225	W	W	2,100
Basic oxygen process	W	W	762	W	W	7,080
Electric furnace	941	3,660	4,600	8,860	33,300	42,200
Other (including air furnace) <sup>6</sup>	W	--	W	W	--	W
Total consumption	1,800	3,790	5,590	16,800	34,700	51,500
Shipments	106	24	130	808	230	1,040
Stocks end of month	1,790	2,140	3,920	XX	XX	XX
<b>Pig iron (includes hot metal):</b>						
Receipts	560	152	712	5,350	966	6,310
Production	W	W	2,150	W	W	26,900
<b>Consumption (by type of furnace):</b>						
Basic oxygen process	W	W	2,490	W	W	24,400
Direct castings <sup>7</sup>	W	--	W	W	--	W
Electric furnace	W	W	W	W	W	W
Total consumption	2,620	103	2,730	25,900	1,010	26,900
Shipments	W	W	W	W	W	W
Stocks at end of month	W	W	642	XX	XX	XX
<b>Direct-reduced iron:<sup>8</sup></b>						
Receipts	W	W	230	W	W	1,570
Production	--	--	--	--	--	--
Total consumption	W	W	172	W	W	1,520
Shipments	--	W	W	--	W	W
Stocks end of month	225	107	332	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. September 2008 data are based on returns from 52% of monthly respondents, representing 53% 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 1a  
IRON AND STEEL SCRAP, PIG IRON, AND DIRECT-REDUCED IRON STATISTICS FOR STEEL PRODUCERS<sup>1,2</sup>

(Thousand metric tons)

	October 2008			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	1,270	3,080	4,360	15,600	33,200	48,800
Receipts from other own company plants	13	210	223	328	2,140	2,470
Production recirculating scrap	375	323	698	3,890	3,260	7,150
Production obsolete scrap	W	W	10	W	W	94
<b>Consumption (by type of furnace):</b>						
Blast furnace	W	W	202	W	W	2,300
Basic oxygen process	W	W	639	W	W	7,730
Electric furnace	812	3,370	4,180	9,670	36,700	46,400
Other (including air furnace) <sup>6</sup>	W	--	W	W	--	W
Total consumption	1,520	3,500	5,020	18,300	38,200	56,500
Shipments	126	22	148	935	252	1,190
Stocks end of month	1,790	2,230	4,020	XX	XX	XX
<b>Pig iron (includes hot metal):</b>						
Receipts	616	150	766	5,960	1,120	7,080
Production	W	W	1,800	W	W	22,800
<b>Consumption (by type of furnace):</b>						
Basic oxygen process	W	W	2,140	W	W	26,600
Direct castings <sup>7</sup>	W	--	W	W	--	W
Electric furnace	W	W	W	W	W	W
Total consumption	2,250	83	2,330	28,100	1,090	29,200
Shipments	W	W	W	W	W	W
Stocks at end of month	W	W	820	XX	XX	XX
<b>Direct-reduced iron:<sup>8</sup></b>						
Receipts	W	W	262	W	W	1,830
Production	W	--	W	W	--	W
Total consumption	W	W	132	W	W	1,660
Shipments	W	W	W	W	W	W
Stocks end of month	335	122	457	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. October 2008 data are based on returns from 43% of monthly respondents, representing 53% 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	September 2008				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>	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	64	W	63	W	560	W	564
Cut structural and plate	333	61	407	267	2,970	554	3,600
No. 1 heavy melting steel	428	169	583	487	3,820	1,470	5,300
No. 2 heavy melting steel	522	22	548	470	4,930	196	5,090
No. 1 and electric furnace bundles	251	W	309	277	2,440	W	2,930
No. 2 and all other bundles	70	W	69	42	657	W	667
Electric furnace 1 foot and under (not bundles)	W	W	W	--	W	W	W
Railroad rails	13	W	18	5	121	W	171
Turnings and borings	166	4	184	113	1,540	40	1,720
Slag scrap	69	95	137	171	742	725	1,180
Shredded and fragmented	993	W	1,080	937	8,940	W	9,970
No. 1 busheling	426	18	415	337	3,750	159	3,950
Steel cans (post consumer)	14	--	13	6	120	--	118
All other carbon steel scrap	1,180	144	1,290	238	10,700	1,240	11,900
Stainless steel scrap	71	30	108	62	675	283	1,030
Alloy steel scrap	6	39	47	41	55	356	442
Ingot mold and stool scrap	W	W	6	21	W	W	51
Machinery and cupola cast iron	W	W	W	W	W	W	W
Cast iron borings	20	W	19	20	209	W	206
Motor blocks	W	--	W	--	W	--	W
Other iron scrap	82	21	96	161	731	174	876
Other mixed scrap	180	23	193	130	1,460	203	1,680
Total	4,880	741	5,590	3,920	44,400	6,450	51,500

<sup>p</sup>Preliminary. 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>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 2a  
 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	October 2008				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>	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	59	W	59	W	619	W	622
Cut structural and plate	290	57	354	271	3,260	611	3,960
No. 1 heavy melting steel	382	166	535	506	4,200	1,640	5,830
No. 2 heavy melting steel	445	21	478	456	5,380	217	5,560
No. 1 and electric furnace bundles	229	W	292	282	2,670	W	3,220
No. 2 and all other bundles	55	W	55	43	711	W	722
Electric furnace 1 foot and under (not bundles)	W	W	W	--	W	W	W
Railroad rails	13	W	19	5	134	W	189
Turnings and borings	149	5	173	110	1,690	45	1,890
Slag scrap	98	77	121	166	841	802	1,300
Shredded and fragmentized	875	W	918	1,010	9,810	W	10,900
No. 1 busheling	373	13	371	353	4,130	172	4,320
Steel cans (post consumer)	15	--	11	11	136	--	129
All other carbon steel scrap	1,070	141	1,230	228	11,700	1,380	13,100
Stainless steel scrap	56	19	102	48	732	302	1,130
Alloy steel scrap	6	37	48	41	61	394	490
Ingot mold and stool scrap	W	W	6	21	W	W	57
Machinery and cupola cast iron	W	W	W	W	W	W	W
Cast iron borings	13	W	18	15	222	W	224
Motor blocks	W	--	W	--	W	--	W
Other iron scrap	67	23	79	166	799	197	955
Other mixed scrap	154	23	157	152	1,620	226	1,830
Total	4,360	698	5,020	4,020	48,800	7,150	56,500

<sup>p</sup>Preliminary. 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>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 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	September 2008			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	420	159	650	3,870	1,430	5,820
<b>North Central:</b>						
Illinois and Indiana	431	142	540	4,060	1,270	5,060
Iowa, Minnesota, Nebraska, Wisconsin	151	4	164	1,350	31	1,470
Michigan	91	66	164	1,280	458	1,430
Ohio	606	127	663	5,460	1,140	6,480
Total	1,280	339	1,530	12,200	2,900	14,400
<b>South Atlantic:</b>						
Delaware, Maryland, Virginia, West Virginia	247	59	306	2,070	525	2,760
Florida, Georgia, North Carolina, South Carolina	283	13	304	2,350	104	2,590
Total	530	72	610	4,420	629	5,340
<b>South Central:</b>						
Alabama, Kentucky, Mississippi, Tennessee	699	36	651	6,510	334	6,640
Arkansas, Louisiana, Oklahoma, Texas	715	64	853	6,420	534	7,670
Total	1,410	100	1,500	12,900	868	14,300
<b>Mountain and Pacific:</b>						
Arizona, California, Colorado, Oregon, Utah, Washington	1,240	71	1,290	11,000	626	11,500
Grand total	4,880	741	5,590	44,400	6,450	51,500

<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 3a  
 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	October 2008			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	360	159	600	4,230	1,590	6,420
<b>North Central:</b>						
Illinois and Indiana	373	140	492	4,440	1,410	5,560
Iowa, Minnesota, Nebraska, Wisconsin	135	4	150	1,490	34	1,620
Michigan	154	68	154	1,440	526	1,580
Ohio	441	109	563	5,900	1,250	7,040
Total	1,100	321	1,360	13,300	3,220	15,800
<b>South Atlantic:</b>						
Delaware, Maryland, Virginia, West Virginia	218	26	293	2,280	583	3,050
Florida, Georgia, North Carolina, South Carolina	209	41	228	2,560	113	2,820
Total	427	67	521	4,840	696	5,860
<b>South Central:</b>						
Alabama, Kentucky, Mississippi, Tennessee	542	23	565	7,050	356	7,210
Arkansas, Louisiana, Oklahoma, Texas	700	57	709	7,120	592	8,380
Total	1,240	80	1,270	14,200	948	15,600
<b>Mountain and Pacific:</b>						
Arizona, California, Colorado, Oregon, Utah, Washington	1,220	71	1,270	12,300	698	12,800
Grand total	4,360	698	5,020	48,800	7,150	56,500

<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	September 2008					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	20	W	W	W	W	177	W	W	W	W
Cut structural and plate	41	106	79	99	W	379	968	691	872	W
No. 1 heavy melting steel	66	115	56	171	W	581	1,090	375	1,590	W
No. 2 heavy melting steel	W	193	51	240	W	W	1,800	530	2,270	W
No. 1 and electric furnace bundles	11	140	32	64	W	94	1,460	206	642	W
No. 2 and all other bundles	13	31	3	20	W	120	288	32	197	W
Electric furnace 1 foot and under (not bundles)	--	--	--	W	--	--	--	--	W	--
Railroad rails	W	W	W	6	W	W	W	W	55	W
Turnings and borings	16	48	18	79	5	143	421	154	779	44
Slag scrap	11	10	W	30	W	99	241	W	238	W
Shredded and fragmentized	87	210	189	430	78	790	1,920	1,650	3,880	701
No. 1 busheling	57	162	30	172	W	589	1,480	181	1,460	W
Steel cans (post consumer)	4	8	--	--	W	36	64	--	--	W
All other carbon steel scrap	36	159	W	45	W	314	1,490	W	426	W
Stainless steel scrap	36	10	--	W	--	339	107	--	W	--
Alloy steel scrap	2	2	--	W	--	20	23	--	W	--
Ingot mold and stool scrap	--	--	--	--	--	--	--	--	--	--
Machinery and cupola cast iron	W	W	W	--	--	W	W	W	--	--
Cast iron borings	W	W	W	7	W	W	W	W	62	W
Motor blocks	--	--	--	W	--	--	--	--	W	--
Other iron scrap	5	30	W	W	W	50	294	W	W	W
Other mixed scrap	W	6	W	13	W	W	53	W	123	W
Total	420	1,280	530	1,410	1,240	3,870	12,200	4,420	12,900	11,000

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

(Thousand metric tons)

Item	October 2008					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	20	W	W	W	W	197	W	W	W	W
Cut structural and plate	41	88	69	85	W	419	1,060	760	958	W
No. 1 heavy melting steel	58	83	47	174	W	639	1,170	423	1,760	W
No. 2 heavy melting steel	W	153	41	213	W	W	1,950	571	2,480	W
No. 1 and electric furnace bundles	4	156	24	41	W	98	1,610	230	683	W
No. 2 and all other bundles	9	22	3	19	W	130	309	35	215	W
Electric furnace 1 foot and under (not bundles)	--	--	--	W	--	--	--	--	W	--
Railroad rails	W	W	W	6	W	W	W	W	61	W
Turnings and borings	17	37	12	78	5	160	458	167	857	48
Slag scrap	11	49	W	20	W	110	290	W	258	W
Shredded and fragmented	80	197	146	373	78	870	2,120	1,800	4,250	778
No. 1 busheling	54	153	24	137	W	643	1,630	204	1,600	W
Steel cans (post consumer)	4	9	--	W	W	41	73	--	W	W
All other carbon steel scrap	19	80	W	42	W	333	1,570	W	468	W
Stainless steel scrap	23	8	--	W	--	362	115	--	W	--
Alloy steel scrap	2	2	--	W	--	22	25	--	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	6	W	W	W	W	68	W
Motor blocks	--	--	--	W	--	--	--	--	W	--
Other iron scrap	3	20	W	W	W	54	314	W	W	W
Other mixed scrap	W	4	W	11	W	W	57	W	134	W
Total	360	1,100	427	1,240	1,220	4,230	13,300	4,840	14,200	12,300

<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	September 2008					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	20	W	W	W	W	177	W	W	W	W
Cut structural and plate	53	137	107	103	W	469	1,210	918	949	W
No. 1 heavy melting steel	108	141	65	213	57	955	1,490	466	1,920	465
No. 2 heavy melting steel	16	193	51	257	W	144	1,770	524	2,370	W
No. 1 and electric furnace bundles	22	214	23	46	W	192	1,990	205	500	W
No. 2 and all other bundles	13	30	3	21	W	120	282	31	214	W
Electric furnace 1 foot and under (not bundles)	--	W	--	W	--	--	W	--	W	--
Railroad rails	W	W	W	7	W	W	W	W	73	W
Turnings and borings	33	48	18	80	5	288	452	159	778	44
Slag scrap	19	54	W	47	W	175	439	W	406	W
Shredded and fragmentized	117	220	215	446	78	1,030	1,970	1,940	4,340	701
No. 1 busheling	70	163	24	153	W	659	1,500	194	1,550	W
Steel cans (post consumer)	4	7	W	W	W	36	62	W	W	W
All other carbon steel scrap	79	177	40	60	938	692	1,840	357	560	8,450
Stainless steel scrap	58	14	--	W	--	537	166	--	W	--
Alloy steel scrap	14	30	--	W	--	130	292	--	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	7	W	W	W	W	62	W
Motor blocks	--	--	--	W	--	--	--	--	W	--
Other iron scrap	11	39	37	W	W	100	358	327	W	W
Other mixed scrap	W	15	W	14	W	W	143	W	134	W
Total	650	1,530	610	1,500	1,290	5,820	14,400	5,340	14,300	11,500

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

(Thousand metric tons)

Item	October 2008					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	20	W	W	W	W	197	W	W	W	W
Cut structural and plate	51	121	94	81	W	520	1,330	1,010	1,030	W
No. 1 heavy melting steel	100	121	53	203	57	1,060	1,610	519	2,130	522
No. 2 heavy melting steel	16	164	42	226	W	160	1,930	566	2,590	W
No. 1 and electric furnace bundles	22	209	20	37	W	213	2,200	225	538	W
No. 2 and all other bundles	9	20	3	20	W	130	303	34	234	W
Electric furnace 1 foot and under (not bundles)	--	W	--	W	--	--	W	--	W	--
Railroad rails	W	W	W	8	W	W	W	W	81	W
Turnings and borings	33	46	14	75	5	322	497	173	853	49
Slag scrap	19	46	W	39	W	194	484	W	445	W
Shredded and fragmentized	106	198	181	355	78	1,130	2,160	2,120	4,690	778
No. 1 busheling	67	158	21	119	W	726	1,660	215	1,670	W
Steel cans (post consumer)	3	5	W	W	W	40	67	W	W	W
All other carbon steel scrap	70	134	36	46	W	762	1,980	393	606	W
Stainless steel scrap	48	17	--	W	--	585	183	--	W	--
Alloy steel scrap	14	31	--	W	--	144	323	--	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	67	W
Motor blocks	--	--	--	W	--	--	--	--	W	--
Other iron scrap	10	24	W	W	W	110	382	W	W	W
Other mixed scrap	W	14	2	12	W	W	156	W	146	W
Total	600	1,360	521	1,270	1,270	6,420	15,800	5,860	15,600	12,800

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 3a.

<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	August 2008		Year to date	
	Quantity	Value	Quantity	Value
<b>North America and South America:</b>				
Argentina	(3)	25	1	237
Bahamas, The	(3)	7	7	1,490
Brazil	(3)	194	2	943
Canada	200	88,700	1,250	511,000
Colombia	3	515	52	22,900
Dominican Republic	(3)	66	2	454
Mexico	70	26,700	738	305,000
Netherlands Antilles	(3)	89	2	977
Peru	31	19,100	138	62,900
Suriname	(3)	51	2	374
Trinidad and Tobago	2	361	6	1,220
Venezuela	(3)	8	1	161
Other <sup>4</sup>	(3)	216	4	1,600
Total	308	136,000	2,200	910,000
<b>Africa, Europe, Middle East:</b>				
Austria	(3)	176	2	1,410
Belgium	1	1,730	4	8,630
Egypt	153	71,100	718	335,000
Finland	6	13,300	38	82,900
France	(3)	1,680	3	6,710
Germany	(3)	196	5	2,670
Greece	(3)	345	213	101,000
Israel	(3)	14	1	531
Italy	1	362	49	27,400
Morocco	--	--	29	18,700
Netherlands	8	18,000	17	33,900
Pakistan	8	3,400	94	32,100
Saudi Arabia	--	--	1	476
Spain	2	1,720	66	64,500
Switzerland	--	--	15	4,080
Turkey	448	257,000	2,780	1,420,000
United Kingdom	1	1,680	4	8,590
Other <sup>4</sup>	(3)	983	6	5,300
Total	628	371,000	4,040	2,160,000
<b>Asia, Australia, Oceania:</b>				
Australia	(3)	100	1	2,430
Bangladesh	7	3,300	38	16,100
China	226	194,000	1,550	1,170,000
Hong Kong	57	15,000	138	74,100
India	151	61,800	502	220,000
Indonesia	26	12,500	322	158,000
Japan	94	60,400	326	248,000
Korea, Republic of	251	140,000	1,990	911,000
Malaysia	225	109,000	1,150	447,000
Singapore	4	1,530	44	12,000
Taiwan	223	130,000	2,220	1,030,000
Thailand	89	39,500	992	417,000
Vietnam	22	8,940	210	79,000
Other <sup>4</sup>	(3)	469	1	3,990
Total	1,380	777,000	9,490	4,790,000
Grand total	2,310	1,280,000	15,700	7,860,000

See footnotes at end of table.

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

(Thousand metric tons and thousand dollars)

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-- 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 countries with year to date quantities of less than 500 metric tons.

Source: U.S. Census Bureau.

TABLE 6a  
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	September 2008		Year to date	
	Quantity	Value	Quantity	Value
<b>North America and South America:</b>				
Argentina	(3)	135	1	372
Bahamas, The	(3)	41	7	1,530
Brazil	(3)	4	2	947
Canada	189	70,000	1,440	581,000
Colombia	2	824	54	23,700
Dominican Republic	(3)	60	2	514
Mexico	45	19,400	783	325,000
Netherlands Antilles	(3)	50	2	1,030
Peru	(3)	12	138	62,900
Suriname	--	--	2	374
Trinidad and Tobago	2	400	8	1,620
Venezuela	(3)	20	1	181
Other <sup>4</sup>	(3)	262	5	1,860
Total	239	91,200	2,440	1,000,000
<b>Africa, Europe, Middle East:</b>				
Austria	(3)	184	2	1,590
Belgium	1	907	5	9,530
Egypt	--	--	718	335,000
Finland	--	--	38	82,900
France	(3)	1,020	3	7,730
Germany	(3)	651	5	3,320
Greece	(3)	20	213	101,000
Israel	(3)	25	1	556
Italy	28	13,300	77	40,700
Netherlands	2	5,360	19	39,300
Pakistan	4	1,850	98	33,900
Portugal	--	--	1	216
Saudi Arabia	--	--	1	476
Spain	1	831	67	65,400
Sweden	(3)	228	1	2,100
Switzerland	--	--	15	4,080
Turkey	482	275,000	3,260	1,700,000
United Kingdom	1	3,350	5	11,900
Other <sup>4</sup>	(3)	969	34	22,900
Total	520	304,000	4,560	2,460,000
<b>Asia, Australia, Oceania:</b>				
Australia	(3)	192	1	2,620
Bangladesh	20	8,950	58	25,100
China	286	221,000	1,840	1,390,000
Hong Kong	13	9,790	151	83,900
India	102	50,800	605	270,000
Indonesia	19	11,100	341	170,000
Japan	11	17,100	338	266,000
Korea, Republic of	141	69,500	2,130	981,000
Malaysia	62	35,000	1,210	482,000
Singapore	2	715	46	12,700
Taiwan	41	35,400	2,270	1,070,000
Thailand	37	25,100	1,030	442,000
Vietnam	33	12,800	243	91,800
Other <sup>4</sup>	(3)	471	(3)	5,100
Total	768	498,000	10,300	5,290,000
Grand total	1,530	893,000	17,300	8,750,000

See footnotes at end of table.

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

(Thousand metric tons and thousand dollars)

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-- 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 countries with year to date 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<sup>1,2</sup>

(Thousand metric tons and thousand dollars)

Region and customs district	August 2008		Year to date	
	Quantity	Value	Quantity	Value
<b>Canadian-U.S. Border:</b>				
Buffalo, NY	47	26,300	214	127,000
Chicago, IL	1	309	18	10,800
Detroit, MI	56	30,500	407	162,000
Duluth, MN	6	1,690	45	14,200
Great Falls, MT	3	1,080	18	5,480
Ogdensburg, NY	8	3,710	64	31,100
Pembina, ND	59	26,400	372	154,000
Other <sup>3</sup>	10	1,290	55	9,090
<b>Total</b>	<b>190</b>	<b>91,200</b>	<b>1,190</b>	<b>513,000</b>
<b>East Coast:</b>				
Baltimore, MD	9	5,710	105	43,900
Boston, MA	202	116,000	1,130	560,000
Charleston, SC	20	9,850	136	70,900
Charlotte, NC	12	6,360	45	25,500
Miami, FL	16	14,800	159	115,000
New York, NY	382	233,000	2,350	1,310,000
Norfolk, VA	10	7,930	266	128,000
Philadelphia, PA	33	20,500	666	339,000
Portland, ME	10	7,030	102	57,300
Providence, RI	54	27,700	379	190,000
Savannah, GA	89	41,000	306	177,000
St. Albans, VT	11	4,100	70	27,900
Washington, DC	--	--	(4)	166
<b>Total</b>	<b>848</b>	<b>494,000</b>	<b>5,710</b>	<b>3,040,000</b>
<b>Gulf Coast and Mexican-U.S. Border (includes Caribbean territories):</b>				
El Paso, TX	(4)	128	4	396
Dallas-Fort Worth, TX	--	--	(4)	37
Houston-Galveston, TX	53	37,400	394	197,000
Laredo, TX	29	8,530	239	69,600
Mobile, AL	6	3,220	58	30,300
New Orleans, LA	51	23,600	400	214,000
Nogales, AZ	(4)	96	9	3,900
San Juan, PR	27	8,850	132	37,900
Tampa, FL	45	20,600	394	174,000
Other	(4)	--	(4)	143
<b>Total</b>	<b>212</b>	<b>102,000</b>	<b>1,630</b>	<b>727,000</b>
<b>West Coast and Hawaii:</b>				
Columbia-Snake, OR	50	32,100	701	356,000
Honolulu, HI and Anchorage, AK	46	21,800	144	63,700
Los Angeles, CA	636	380,000	4,560	2,320,000
San Diego, CA	1	151	18	5,900
San Francisco, CA	162	84,300	953	423,000
Seattle, WA	166	77,600	815	400,000
<b>Total</b>	<b>1,060</b>	<b>596,000</b>	<b>7,190</b>	<b>3,570,000</b>
<b>Grand total</b>	<b>2,310</b>	<b>1,280,000</b>	<b>15,700</b>	<b>7,860,000</b>

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

<sup>4</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 7a  
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	September 2008		Year to date	
	Quantity	Value	Quantity	Value
<b>Canadian-U.S. Border:</b>				
Buffalo, NY	34	16,900	248	143,000
Chicago, IL	(3)	170	18	11,000
Cleveland, OH	(3)	36	1	934
Detroit, MI	41	16,400	448	178,000
Duluth, MN	10	3,860	55	18,000
Great Falls, MT	1	421	19	5,900
Ogdensburg, NY	12	4,740	76	35,800
Pembina, ND	59	23,000	432	177,000
Other <sup>4</sup>	11	1,150	64	9,340
Total	168	66,700	1,360	580,000
<b>East Coast:</b>				
Baltimore, MD	2	2,850	107	46,700
Boston, MA	64	39,500	1,190	599,000
Charleston, SC	10	7,810	145	78,700
Charlotte, NC	4	3,290	50	28,800
Miami, FL	63	40,900	223	156,000
New York, NY	201	139,000	2,560	1,450,000
Norfolk, VA	7	6,340	273	134,000
Philadelphia, PA	44	15,900	710	354,000
Portland, ME	4	3,030	106	60,300
Providence, RI	--	--	379	190,000
Savannah, GA	17	19,300	323	197,000
St. Albans, VT	15	5,620	84	33,500
Washington, DC	--	--	(3)	165
Total	431	284,000	6,140	3,330,000
<b>Gulf Coast and Mexican-U.S. Border (includes Caribbean territories):</b>				
El Paso, TX	1	161	4	557
Dallas-Fort Worth, TX	--	--	(3)	37
Houston-Galveston, TX	57	25,700	451	223,000
Laredo, TX	13	5,190	252	74,800
Mobile, AL	2	1,340	60	31,700
New Orleans, LA	204	122,000	604	336,000
Nogales, AZ	(3)	29	9	3,930
San Juan, PR	17	4,508	150	42,400
Tampa, FL	36	17,120	430	192,000
Other	(3)	--	(3)	143
Total	331	176,000	1,960	904,000
<b>West Coast and Hawaii:</b>				
Columbia-Snake, OR	42	26,900	743	383,000
Honolulu, HI and Anchorage, AK	5	1,890	149	65,600
Los Angeles, CA	462	292,000	5,030	2,620,000
San Diego, CA	(3)	57	18	5,960
San Francisco, CA	61	30,800	1,020	454,000
Seattle, WA	27	15,200	842	415,000
Total	597	366,000	7,790	3,940,000
Grand total	1,530	893,000	17,300	8,750,000

-- 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	August 2008		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	433	268,000	3,790	1,900,000
No. 2 heavy melting steel	26	8,900	230	67,000
No. 1 bundles	34	8,160	203	51,900
No. 2 bundles	1	266	22	6,030
Shredded steel scrap	1,060	457,000	6,070	2,430,000
Borings, shovelings and turnings	49	4,120	129	14,500
Cut plate and structural	107	55,600	678	259,000
Tinned iron or steel	8	5,780	111	50,900
Remelting scrap ingots	9	10,900	54	71,900
Cast iron	72	38,400	437	197,000
Other iron and steel	281	134,000	2,140	960,000
Total carbon steel and cast iron	2,080	992,000	13,900	6,010,000
Stainless steel	95	137,000	708	893,000
Other alloy steel	133	155,000	1,160	963,000
Total stainless and alloy steel	228	293,000	1,870	1,860,000
Total carbon, stainless, alloy steel and cast iron	2,310	1,280,000	15,700	7,860,000
Ships, boats, and other vessels for breaking up (for scrapping)	(3)	3	4	354
Used rails for rerolling and other uses	3	3,020	44	29,200
Total scrap exports	2,310	1,290,000	15,800	7,890,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	1	479	16	6,550
Pig iron > 0.5% phosphorus	(3)	3	(3)	8
Alloy pig iron	(3)	19	24	734
Total pig iron	1	501	40	7,290
Direct-reduced iron (DRI)	--	--	(3)	76
Spongy iron products, not DRI	(3)	245	11	5,720
Granules for abrasive cleaning and other uses	2	3,340	25	35,400
Powders of alloy steel	(3)	2,130	6	26,100
Other ferrous powders	10	10,400	79	79,200
Total DRI, granules, powders	13	16,200	122	146,000
Grand total	2,330	1,300,000	15,900	8,050,000

-- 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 8a  
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	September 2008		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	288	135,000	4,080	2,030,000
No. 2 heavy melting steel	35	13,500	265	80,500
No. 1 bundles	19	4,410	222	56,300
No. 2 bundles	(3)	60	22	6,090
Shredded steel scrap	665	361,000	6,740	2,790,000
Borings, shovelings and turnings	9	1,250	137	15,800
Cut plate and structural	27	9,430	705	268,000
Tinned iron or steel	8	5,200	119	56,100
Remelting scrap ingots	8	11,400	62	83,300
Cast iron	50	24,800	488	222,000
Other iron and steel	214	91,000	2,360	1,050,000
Total carbon steel and cast iron	1,320	657,000	15,200	6,660,000
Stainless steel	81	106,000	788	999,000
Other alloy steel	123	130,000	1,280	1,090,000
Total stainless and alloy steel	204	236,000	2,070	2,090,000
Total carbon, stainless, alloy steel and cast iron	1,530	893,000	17,300	8,750,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	3	354
Used rails for rerolling and other uses	8	5,060	52	34,200
Total scrap exports	1,540	898,000	17,300	8,790,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	8	2,820	25	9,370
Pig iron > 0.5% phosphorus	--	--	(3)	8
Alloy pig iron	(3)	101	24	835
Total pig iron	9	2,920	49	10,200
Direct-reduced iron (DRI)	(3)	16	(3)	92
Spongy iron products, not DRI	(3)	751	13	6,480
Granules for abrasive cleaning and other uses	2	4,190	28	39,500
Powders of alloy steel	(3)	2,040	6	28,200
Other ferrous powders	9	8,820	87	88,000
Total DRI, granules, powders	12	15,800	134	162,000
Grand total	1,560	916,000	17,500	8,960,000

-- 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	August 2008		Year to date	
	Quantity	Value	Quantity	Value
Bahamas, The	(3)	12	4	1,150
Canada	233	109,000	2,130	812,000
Finland	9	2,660	17	4,780
Germany	(3)	75	2	4,690
Japan	(3)	8	27	2,490
Mexico	44	18,400	233	111,000
Netherlands	31	23,000	31	23,000
Netherlands Antilles	3	300	4	450
Panama	1	394	1	651
Sweden	--	--	72	32,700
United Kingdom	37	32,400	223	153,000
Other <sup>4</sup>	1	844	20	17,600
Total	360	187,000	2,760	1,160,000

-- Zero.

<sup>1</sup>Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. 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.

<sup>4</sup>Includes countries with year to date quantities of less than 500 metric tons.

Source: U.S. Census Bureau.

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

(Thousand metric tons and thousand dollars)

Country	September 2008		Year to date	
	Quantity	Value	Quantity	Value
Bahamas, The	(3)	38	4	1,190
Brazil	2	1,040	2	1,730
Canada	213	86,900	2,340	899,000
Denmark	15	11,300	15	11,300
Finland	--	--	17	4,780
Germany	(3)	114	3	4,800
Guadeloupe	--	--	8	2,150
Japan	(3)	125	27	2,620
Mexico	37	15,800	269	127,000
Netherlands	--	--	32	23,000
Netherlands Antilles	2	1,950	6	2,400
Panama	(3)	3	1	655
Sweden	16	11,400	88	44,000
United Kingdom	(3)	48	223	153,000
Other <sup>4</sup>	(3)	465	11	15,300
Total	286	129,000	3,050	1,290,000

-- Zero.

<sup>1</sup>Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. 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.

<sup>4</sup>Includes countries with year to date 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<sup>1,2</sup>

(Thousand metric tons and thousand dollars)

Customs district	August 2008		Year to date	
	Quantity	Value	Quantity	Value
Buffalo, NY	37	24,100	369	205,000
Charleston, SC	32	23,100	253	139,000
Chicago, IL	(3)	201	35	3,780
Detroit, MI	89	47,000	793	315,000
Duluth, MN	7	2,870	44	15,500
El Paso, TX	6	3,800	39	20,900
Great Falls, MT	6	3,110	50	20,200
Houston-Galveston, TX	9	3,410	28	30,800
Laredo, TX	8	5,480	37	30,300
New Orleans, LA	40	32,400	110	76,700
Pembina, ND	5	2,860	65	32,800
San Diego, CA	29	8,090	144	40,000
Seattle, WA	80	24,700	616	153,000
Other	12	5,490	178	80,300
Total	360	187,000	2,760	1,160,000

<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 10a  
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	September 2008		Year to date	
	Quantity	Value	Quantity	Value
Buffalo, NY	33	20,500	403	225,000
Charleston, SC	(3)	72	253	139,000
Chicago, IL	(3)	75	35	3,860
Detroit, MI	79	36,600	872	351,000
Duluth, MN	7	3,140	52	18,600
El Paso, TX	7	2,920	46	23,800
Great Falls, MT	3	1,500	53	21,700
Houston-Galveston, TX	(3)	552	28	31,300
Laredo, TX	12	7,640	49	37,900
Mobile, AL	2	1,950	47	21,900
New Orleans, LA	31	22,600	141	99,300
Ogdensburg, NY	(3)	780	15	18,600
Pembina, ND	1	1,150	67	34,000
San Diego, CA	16	4,490	161	44,500
Seattle, WA	67	16,400	683	170,000
Other	27	8,740	141	51,300
Total	286	129,000	3,050	1,290,000

<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	August 2008		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	14	4,960	128	46,200
No. 2 heavy melting steel	3	1,020	30	10,100
No. 1 bundles	112	89,600	636	366,000
No. 2 bundles	4	1,440	26	5,690
Shredded steel scrap	32	11,100	340	109,000
Borings, shovelings and turnings	5	1,750	64	16,300
Cut plate and structural	20	5,940	126	35,600
Tinned iron or steel	2	683	21	5,810
Remelting scrap ingots	(3)	7	(3)	7
Cast iron	32	10,700	269	74,800
Other iron and steel	53	20,900	528	180,000
Total carbon steel and cast iron	277	148,000	2,170	849,000
Stainless steel	11	11,200	109	185,000
Other alloy steel	72	27,400	484	129,000
Total stainless and alloy steel	83	38,600	593	314,000
Total carbon, stainless, alloy steel and cast iron	360	187,000	2,760	1,160,000
Ships, boats, and other vessels for breaking up (for scrapping)	(3)	--	(3)	18
Total scrap imports	360	187,000	2,760	1,160,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	656	432,000	3,140	1,540,000
Pig iron < or = 0.5% phosphorus	(3)	6	(3)	67
Alloy pig iron	--	--	(3)	31
Total pig iron	656	432,000	3,140	1,540,000
Direct-reduced iron (DRI)	363	181,000	1,690	647,000
Spongy iron products, not DRI	(3)	230	218	84,600
Granules for abrasive cleaning and other uses	10	7,040	29	21,300
Powders of alloy steel	4	7,120	44	71,300
Other ferrous powders	3	5,380	38	45,000
Total DRI, granules, powders	380	201,000	2,020	869,000
Grand total	1,400	820,000	7,920	3,570,000

-- 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 11a  
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	September 2008		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	15	4,520	143	50,700
No. 2 heavy melting steel	3	856	32	10,900
No. 1 bundles	73	48,400	708	415,000
No. 2 bundles	4	1,330	30	7,020
Shredded steel scrap	28	8,360	368	117,000
Borings, shovelings and turnings	6	1,630	71	17,900
Cut plate and structural	15	3,330	141	38,900
Tinned iron or steel	3	573	24	6,380
Remelting scrap ingots	--	--	(3)	7
Cast iron	26	8,940	294	83,800
Other iron and steel	57	22,800	586	203,000
Total carbon steel and cast iron	230	101,000	2,400	950,000
Stainless steel	10	10,800	119	196,000
Other alloy steel	46	17,600	530	147,000
Total stainless and alloy steel	56	28,400	649	343,000
Total carbon, stainless, alloy steel and cast iron	286	129,000	3,050	1,290,000
Ships, boats, and other vessels for breaking up (for scrapping)	(3)	--	(3)	18
Total scrap imports	286	129,000	3,050	1,290,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	616	406,000	3,750	1,940,000
Pig iron > or = 0.5% phosphorus	--	--	(3)	67
Alloy pig iron	--	--	(3)	31
Total pig iron	616	406,000	3,750	1,940,000
Direct-reduced iron (DRI)	277	146,000	1,970	793,000
Spongy iron products, not DRI	(3)	395	218	85,000
Granules for abrasive cleaning and other uses	2	1,510	31	22,800
Powders of alloy steel	6	9,220	49	80,500
Other ferrous powders	11	5,080	49	50,100
Total DRI, granules, powders	296	162,000	2,320	1,030,000
Grand total	1,200	697,000	9,120	4,260,000

-- 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
2007:						
September	7,960	73,000	86.5	86.1	96.7	96.6
October	8,480	81,500	88.5	86.4	96.9	96.3
November	8,200	89,700	88.5	86.6	97.0	96.7
December	8,450	98,200	88.1	87.0	97.2	96.7
2008:						
January	8,920	8,920	90.3	90.3	96.8	96.8
February	8,220	17,100	91.6	90.9	97.1	96.9
March	8,600	25,700	89.7	90.5	97.0	96.9
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

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

<sup>2</sup>Year-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 <sup>1</sup>	
	\$/t	\$/t	\$/t	\$/t	\$/t	\$/t
2007:						
September	264.25	260.08	263.42	259.26	387.35	381.23
October	262.39	258.25	261.43	257.30	386.59	380.48
November	249.78	245.83	245.42	241.54	396.24	390.00
December	267.23	263.01	265.62	261.42	401.32	394.98
Average	253.51	249.51	251.33	247.36	384.78	378.70
2008:						
January	325.64	320.50	309.17	304.29	423.67	416.98
February	329.90	324.69	324.17	319.05	484.50	476.85
March	352.44	346.87	345.44	339.98	563.88	554.97
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
Average	396.62	390.35	398.64	392.34	758.51	746.53

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

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