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IRON AND STEEL SCRAP IN OCTOBER 1999

On a daily basis in October 1999, estimated consumption of iron and steel scrap was unchanged compared with that of September 1999, according to the U.S. Geological Survey. Compared with September 1999 data, daily average production fell by 5%, net receipts were up by 2%, and stocks at the end of the month rose by 3%. These observations are based upon responses from 62% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent 51% of the total scrap consumption in those sectors, and estimates for non-respondents of this survey.

On a daily average basis, pig iron production rose by 6% and consumption increased by 3% from that of September 1999. Stocks of pig iron at month's end decreased by 5% compared with those at the end of September 1999.

Exports of iron and steel scrap for the month of September 1999 fell by 4% compared with those of August 1999. The Republic of Korea was the leading country of destination, accounting for 29% of the total exports in September 1999, followed by Canada with 26% and Mexico with 19%.

Table 7 shows that Los Angeles, CA was the leading U.S. Customs district for tonnage of exports in September 1999, accounting for 30% of the total exports, followed by San Francisco, CA, with 28% and New York, NY, with 6%.

Table 10 shows that New Orleans, LA, was the leading Customs district for tonnage of imports in September 1999, accounting for 54% of the total imports, followed by Detroit, MI, with 31% and Seattle, WA, with 5%.

According to the American Iron and Steel Institute (AISI), domestic raw steel production in October 1999 amounted to 8,690,000 metric tons, up by 11% from 7,850,000 tons in September 1999 and up by 10% from 7,870,000 tons in October 1998. Year-to-date production through October 1999 was 80,000,000 tons, down by 4% compared with 83,400,000 tons for the same period 1 year ago. The electric furnace portion of raw steel production for October 1999 was 46%, or about the same as that in September 1999 and up slightly from that in October 1998.

Raw steel capability utilization (AISI data) in October 1999 was 88%, up by 6% from that in September 1999 and up by 7% from that in October 1998. Continuous cast steel production in the United States accounted for 96% of total raw steel production in October 1999, up slightly from that in both September 1999 and October 1998. For the year-to-date through October 1999, continuous cast steel production represented 95% of total steel production. This was identical to that for the same period of 1998.

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

(Thousand metric tons)

	October 1999			Year to date p/ 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	860	2,700	3,600	7,900	26,000	34,000
Receipts from other own company plants	W	W	210	W	W	1,800
Production recirculating scrap	690	410	1,100	6,900	4,000	11,000
Production obsolete scrap	13	2	15	110	23	130
Consumption (by type of furnace):						
Blast furnace	(6/)	--	(6/)	(6/)	--	(6/)
Basic oxygen process	W	W	1,400	W	W	13,000
Electric furnace	W	W	3,300	W	W	32,000
Other (including air furnace) 7/	(6/)	--	(6/)	(6/)	--	(6/)
Total consumption	1,600	3,200	4,700	15,000	31,000	45,000
Shipments	160	8	170	1,400	81	1,500
Stocks end of month	2,200	2,300	4,500	XX	XX	XX
Pig iron (includes hot metal):						
Receipts	430	95	520	4,300	1,300	5,600
Production	3,800	--	3,800	36,000	--	36,000
Consumption (by type of furnace):						
Basic oxygen process	W	W	4,000	W	W	37,000
Direct castings 8/	(6/)	--	(6/)	(6/)	--	(6/)
Electric furnace	W	W	120	W	W	1,700
Total consumption	4,100	110	4,200	38,000	1,100	39,000
Shipments	130	(9/)	130	(10/)	(10/)	(10/)
Stocks end of month	W	W	430	XX	XX	XX
Direct-reduced iron: 11/						
Receipts	W	W	170	590	590	1,200
Consumption (by type of furnace):						
Blast furnace	37	--	37	400	--	400
Basic oxygen process	(12/)	--	(12/)	(12/)	(12/)	(12/)
Electric furnace	--	(10/)	(10/)	--	(10/)	(10/)
Total consumption	37	--	37	400	--	400
Shipments	--	--	--	--	W	W
Stocks end of month	190	110	290	XX	XX	XX

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

1/ Data are rounded to two significant digits; may not add to totals shown.

2/ Includes manufacturers of raw steel that also produce steel castings. October 1999 data are based on returns from 62% of monthly respondents, representing 51% of scrap consumption during this month, and estimates for nonrespondents of this survey. Year-to-date data are based on returns from 69% of respondents, representing 58% of scrap consumption and estimates for nonrespondents.

3/ May include revisions to previous months' data.

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

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

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

7/ Includes vacuum melting furnaces and miscellaneous uses.

8/ Includes ingot molds and stools.

9/ Less than 1/2 unit.

10/ Withheld to avoid disclosing company proprietary data.

11/ Includes direct-reduced iron, hot-briquetted iron, and iron carbide. Domestic production data are included in "Receipts."

12/ Withheld to avoid disclosing company proprietary data; included in "Consumption: Blast furnace."

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	October 1999				Year to date p/ 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	35	--	37	20	300	W	290
Cut structural and plate	310	55	360	270	3,000	560	3,400
No. 1 heavy melting steel	460	300	820	610	4,200	3,100	7,800
No. 2 heavy melting steel	420	36	450	470	3,900	440	4,300
No. 1 and electric furnace bundles	470	W	560	370	4,600	W	5,700
No. 2 and all other bundles	79	W	81	51	710	W	760
Electric furnace 1 foot and under (not bundles)	--	15	W	W	W	120	W
Railroad rails	15	W	18	11	140	W	160
Turnings and borings	170	6	180	110	1,600	51	1,700
Slag scrap	63	120	180	190	540	1,200	1,700
Shredded and fragmentized	710	W	830	500	6,500	W	7,600
No. 1 busheling	380	12	380	260	3,800	120	3,900
Steel cans (Post consumer)	21	3	25	73	W	W	W
All other carbon steel scrap	200	240	440	430	2,000	2,300	4,000
Stainless steel scrap	60	32	95	32	540	330	880
Alloy steel scrap	15	39	58	89	190	440	640
Ingot mold and stool scrap	W	W	9	18	W	100	70
Machinery and cupola cast iron	W	W	W	W	W	W	W
Cast iron borings	23	W	20	12	210	W	210
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	26	46	72	W	260	400	690
Other mixed scrap	100	34	110	660	750	320	1,000
Total	3,600	1,100	4,700	4,500	34,000	11,000	45,000

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total."

1/ Data are rounded to two significant digits; may not add to totals shown.

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

3/ May include revisions to previous months' data.

4/ 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 1/ 2/

(Thousand metric tons)

Region and State	October 1999			Year to date p/ 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 and New York	W	W	W	1,200	39	1,300
Pennsylvania	W	W	W	3,200	1,900	5,300
Total	490	190	700	4,400	1,900	6,600
North Central:						
Illinois	W	W	W	2,700	810	3,500
Indiana	W	W	W	2,900	3,500	6,400
Iowa, Minnesota, Missouri, Nebraska, Wisconsin	200	15	210	2,000	160	2,000
Michigan	180	56	220	1,600	510	1,900
Ohio	480	140	610	4,900	1,600	6,600
Total	1,500	650	2,100	14,000	6,500	20,000
South Atlantic:						
Delaware, Maryland, Virginia, West Virginia	130	71	190	1,200	690	1,800
Florida, Georgia, North Carolina, South Carolina	200	14	220	1,900	150	2,000
Total	330	85	410	3,100	830	3,800
South Central:						
Alabama, Kentucky, Mississippi, Tennessee	360	58	420	3,200	600	3,800
Arkansas, Louisiana, Oklahoma, Texas	570	66	720	5,800	590	6,900
Total	930	120	1,100	9,000	1,200	11,000
Mountain and Pacific:						
Arizona, California, Colorado, Oregon, Utah, Washington	350	56	390	3,100	480	3,700
Grand total	3,600	1,100	4,700	34,000	11,000	45,000

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total" and/or "Grand total."
1/ Data are rounded to two significant digits; may not add to totals shown.
2/ Includes manufacturers of raw steel that also produce steel castings.
3/ May include revisions to previous months' data.
4/ Includes 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	October 1999					Year to date p/ 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	13	10	W	W	--	130	100	W	W	--
Cut structural and plate	54	120	48	60	30	450	1,300	450	530	310
No. 1 heavy melting steel	58	160	38	170	34	490	1,400	350	1,600	310
No. 2 heavy melting steel	15	130	54	150	67	120	1,200	500	1,400	600
No. 1 and electric furnace bundles	42	360	25	37	13	370	3,500	240	480	110
No. 2 and all other bundles	9	33	6	22	10	86	270	40	230	95
Electric furnace 1 foot and under (not bundles)	--	--	--	--	--	--	--	--	W	--
Railroad rails	W	W	(6/)	4	W	W	W	4	36	W
Turnings and borings	41	34	30	60	6	320	330	280	620	60
Slag scrap	15	18	11	18	W	140	150	110	120	W
Shredded and fragmentized	48	230	74	260	92	470	2,100	730	2,300	870
No. 1 busheling	69	190	26	86	14	690	1,800	230	960	120
Steel cans (Post consumer)	10	7	W	3	(6/)	W	W	W	W	W
All other carbon steel scrap	31	130	9	29	W	260	1,300	68	310	W
Stainless steel scrap	52	9	--	--	--	450	89	--	--	--
Alloy steel scrap	8	6	--	W	--	73	100	--	W	--
Ingot mold and stool scrap	(6/)	W	--	--	--	W	W	--	--	--
Machinery and cupola cast iron	--	6	--	W	--	W	W	--	W	--
Cast iron borings	W	W	W	7	--	W	W	W	81	--
Motor blocks	(6/)	--	W	--	--	(6/)	--	W	--	--
Other iron scrap	W	10	--	W	W	W	W	W	21	W
Other mixed scrap	10	1	W	W	76	100	21	W	W	510
Total	490	1,500	330	930	350	4,400	14,000	3,100	9,000	3,100

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total."
1/ Scrap received from brokers, dealers, and other outside sources.
2/ A breakout of the States within each region is provided in Table 3.
3/ Includes manufacturers of raw steel that also produce steel castings.
4/ Data are rounded to two significant digits; may not add to totals shown.
5/ May include revisions to previous months' data.
6/ Less than 1/2 unit.

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

(Thousand metric tons)

Item	October 1999					Year to date p/ 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	13	12	W	W	--	120	96	W	W	--
Cut structural and plate	67	120	72	65	31	610	1,300	660	590	310
No. 1 heavy melting steel	100	360	57	220	83	940	3,400	570	2,100	760
No. 2 heavy melting steel	26	140	57	160	64	200	1,300	520	1,600	610
No. 1 and electric furnace bundles	44	420	29	55	15	420	4,400	290	520	110
No. 2 and all other bundles	9	32	W	24	10	91	300	36	240	96
Electric furnace 1 foot and under (not bundles)	--	5	--	W	--	--	26	--	W	--
Railroad rails	W	W	(6/)	5	W	W	W	4	41	W
Turnings and borings	39	42	30	58	7	350	400	270	630	72
Slag scrap	21	100	17	38	W	220	1,000	170	320	W
Shredded and fragmentized	84	260	85	310	98	790	2,300	820	2,800	940
No. 1 busheling	76	180	25	87	14	760	1,800	230	990	130
Steel cans (Post consumer)	13	9	W	3	(5/)	W	W	W	W	W
All other carbon steel scrap	61	270	19	74	10	550	2,600	180	580	93
Stainless steel scrap	84	11	--	--	--	770	110	--	--	--
Alloy steel scrap	18	37	--	W	--	180	440	--	W	--
Ingot mold and stool scrap	W	2	--	W	W	W	13	--	6	W
Machinery and cupola cast iron	--	5	--	W	--	W	W	--	W	--
Cast iron borings	W	W	W	8	--	W	W	W	81	--
Motor blocks	(5/)	--	W	--	--	(5/)	--	W	--	--
Other iron scrap	21	42	W	6	W	210	410	W	55	W
Other mixed scrap	14	27	W	12	51	140	210	W	120	510
Total	700	2,100	410	1,100	390	6,600	20,000	3,800	11,000	3,700

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total."
1/ Data are rounded to two significant digits; may not add to totals shown.
2/ A breakout of the States within each region is provided in Table 3.
3/ Includes manufacturers of raw steel that also produce steel castings.
4/ May include revisions to previous months' data.
5/ Less than 1/2 unit.

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

(Thousand metric tons and thousand dollars)

Region and country	September 1999		Year to date	
	Quantity	Value	Quantity	Value
North America and South America:				
Canada	152	16,200	1,290	136,000
Mexico	114	11,100	611	61,700
Venezuela	(3/)	39	(3/)	90
Other	1	172	12	2,550
Total	267	27,500	1,910	201,000
Africa, Europe, Middle East:				
Belgium	1	362	1	542
Italy	(3/)	225	4	1,670
South Africa	2	975	11	6,960
Spain	1	134	28	11,900
Other	2	922	29	9,080
Total	5	2,620	72	30,200
Asia, Australia, Oceania:				
Australia	(3/)	120	(3/)	171
China	28	6,640	279	64,400
Hong Kong	2	871	33	8,040
India	1	346	12	3,800
Japan	6	3,650	63	9,880
Korea, Republic of	169	20,100	1,500	162,000
Malaysia	44	4,010	45	4,310
Pakistan	--	--	1	369
Taiwan	37	4,600	196	31,700
Thailand	27	2,520	57	6,410
Other	3	1,130	21	9,520
Total	319	44,000	2,210	300,000
Grand total	591	74,100	4,190	531,000

1/ 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" (f.a.s.) basis.

2/ Data are rounded to three significant digits; may not add to totals shown.

3/ Less than 1/2 unit.

Source: Bureau of the Census.

TABLE 7
U.S. EXPORTS OF IRON AND STEEL SCRAP BY REGION
AND SELECTED CUSTOMS DISTRICT 1/ 2/ 3/

(Thousand metric tons and thousand dollars)

Region and customs district	September 1999		Year to date	
	Quantity	Value	Quantity	Value
Canadian-U.S. Border:				
Buffalo, NY	18	3,120	111	20,400
Detroit, MI	12	1,760	349	38,900
Duluth, MN	--	--	3	277
Pembina, ND	26	2,510	272	23,400
Other 4/	60	5,670	451	42,000
Total	116	13,100	1,190	125,000
East Coast:				
Boston, MA	31	2,450	256	24,600
Miami, FL	1	177	27	4,350
New York, NY	34	5,300	301	47,100
Norfolk, VA	1	466	76	10,500
Portland, ME	1	113	55	5,430
Other	9	2,230	157	20,900
Total	77	10,700	872	113,000
Gulf Coast & Mexican-U.S. Border (includes Caribbean territories):				
Houston-Galveston, TX	6	3,130	29	16,800
Laredo, TX	13	1,490	151	16,800
New Orleans, LA	(5/)	6	7	4,240
Tampa, FL	(5/)	24	2	415
Other	10	3,890	37	14,800
Total	29	8,540	226	53,100
West Coast:				
Anchorage, AK	(5/)	13	(5/)	72
Columbia-Snake	2	800	41	6,580
Honolulu, HI	(5/)	30	44	4,630
Los Angeles, CA	180	21,200	875	113,000
San Diego, CA	17	1,970	143	14,700
San Francisco, CA	166	16,300	602	72,800
Seattle, WA	3	1,410	202	28,900
Total	369	41,700	1,910	240,000
Grand total	591	74,100	4,190	531,000

1/ Re-export activity for September 1999 amounted to 488 metric tons valued at $96,300; year to date amounted to 2,200 metric tons valued at $909,000.

2/ 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" (f.a.s.) basis.

3/ Data are rounded to three significant digits; may not add to totals shown.

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

5/ Less than 1/2 unit.

Source: Bureau of the Census.

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 1999		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	96	8,640	787	65,000
No. 2 heavy melting steel	16	1,330	150	11,300
No. 1 bundles	(3/)	46	28	2,570
No. 2 bundles	7	512	30	2,070
Shredded steel scrap	218	19,400	928	86,000
Borings, shovelings and turnings	16	1,040	161	10,100
Cut plate and structural	39	3,820	219	22,200
Tinned iron or steel	8	2,010	70	16,200
Remelting scrap ingots	(3/)	30	2	518
Cast iron	45	5,710	539	64,200
Other iron and steel	77	8,230	686	73,000
Total carbon steel and cast iron	522	50,800	3,600	353,000
Stainless steel	24	14,300	182	98,400
Other alloy steel	44	8,990	408	79,800
Total stainless and alloy steel	69	23,300	590	178,000
Total carbon, stainless, alloy steel and cast iron	591	74,100	4,190	531,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	6	2,600
Used rails for rerolling and other uses	1	1,070	23	10,000
Total scrap exports	592	75,100	4,220	544,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	9	1,090	56	7,720
Pig iron > 0.5% phosphorus	--	--	1	94
Alloy pig iron	5	492	10	1,220
Total pig iron	13	1,580	67	9,030
Direct-reduced iron (DRI)	(3/)	7	3	270
Spongy iron products, not DRI	(3/)	175	5	2,010
Granules for abrasive cleaning and other uses	2	1,340	19	12,800
Powders of alloy steel	(3/)	658	4	11,300
Other ferrous powders	3	9,610	20	60,100
Total DRI, granules and powders	6	11,800	51	86,500
Grand total	611	88,500	4,340	639,000

1/ Export valuation is on a "free alongside ship" (f.a.s.) basis.
2/ Data are rounded to three significant digits; may not add to totals shown.
3/ Less than 1/2 unit.

Source: Bureau of the Census.

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

(Thousand metric tons and thousand dollars)

Country	September 1999		Year to date	
	Quantity	Value	Quantity	Value
Brazil	6	283	12	592
Canada	142	15,100	1,260	124,000
Russia	13	962	18	985
Sweden	38	3,390	102	9,420
United Kingdom	129	12,100	577	57,000
Other	8	3,820	307	48,100
Total	335	35,700	2,270	240,000

1/ 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.
2/ Data are rounded to three significant digits; may not add to totals shown.

Source: Bureau of the Census.

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

(Thousand metric tons and thousand dollars)

Customs district	September 1999		Year to date	
	Quantity	Value	Quantity	Value
Baltimore, MD	6	360	12	646
Buffalo, NY	14	2,300	140	19,900
Chicago, IL	6	595	46	5,600
Detroit, MI	102	10,500	820	77,400
Laredo, TX	3	2,040	27	11,900
New Orleans, LA	182	16,500	894	84,900
Norfolk, VA	1	186	6	1,080
Ogdensburg, NY	2	251	10	1,720
Pembina, ND	1	477	20	5,850
Seattle, WA	17	1,320	190	14,400
Other	2	1,180	108	16,300
Total	335	35,700	2,270	240,000

1/ 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.
2/ Data are rounded to three significant digits; may not add to totals shown.

Source: Bureau of the Census.

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 1999		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	1	55	23	1,770
No. 2 heavy melting steel	1	61	3	337
No. 1 bundles	14	1,640	177	16,500
No. 2 bundles	(3/)	7	1	60
Shredded steel scrap	148	13,500	642	61,000
Borings, shovelings and turnings	1	30	100	9,180
Cut plate and structural	9	924	20	2,130
Tinned iron or steel	1	149	56	5,150
Remelting scrap ingots	(3/)	92	5	1,730
Cast iron	38	2,920	222	18,200
Other iron and steel	114	12,200	849	87,300
Total carbon steel and cast iron	326	31,600	2,100	203,000
Stainless steel	4	2,100	30	15,100
Other alloy steel	6	1,960	143	21,300
Total stainless and alloy steel	10	4,060	172	36,400
Total carbon, stainless, alloy steel and cast iron	335	35,700	2,270	240,000
Ships, boats, and other vessels for breaking up (for scrapping)	(3/)	136	(3/)	189
Used rails for rerolling and other uses	48	9,000	290	37,400
Total scrap imports	383	44,800	2,560	277,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	337	38,300	3,220	324,000
Pig iron > 0.5% phosphorus	--	--	113	12,800
Alloy pig iron	22	2,650	58	6,230
Total pig iron	358	40,900	3,400	343,000
Direct-reduced iron (DRI)	93	8,270	799	72,500
Spongy iron products, not DRI	41	5,660	206	21,800
Granules for abrasive cleaning and other uses	3	1,230	22	11,200
Powders of alloy steel	3	4,320	25	35,300
Other ferrous powders	5	5,720	59	63,800
Total DRI, granules and powders	145	25,200	1,110	205,000
Grand total	887	111,000	7,070	825,000

1/ Import valuation is on a customs basis.
2/ Data are rounded to three significant digits; may not add to totals shown.
3/ Less than 1/2 unit.

Source: Bureau of the Census.

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

Period	Raw steel production, thousand metric tons 1/		Raw steel capability utilization, percent		Continuous cast steel production, percent	
	Monthly	Year to date	Monthly	Year to date	Monthly	Year to date
1998:						
October	7,870	83,400	81.0%	88.2%	95.0%	95.2%
November	6,990	90,400	74.4%	87.0%	95.1%	95.2%
December	7,270	97,700	74.8%	85.9%	95.6%	95.2%
1999:						
January	7,640	7,640	77.2%	77.2%	95.4%	95.4%
February	7,110	14,900	79.5%	78.8%	95.0%	95.2%
March	8,030	22,600	81.1%	78.7%	95.1%	95.1%
April	7,840	30,800	81.8%	80.3%	95.4%	95.2%
May	8,090	38,900	81.7%	80.6%	95.3%	95.2%
June	7,630	46,500	79.7%	80.4%	94.9%	95.2%
July	7,820	54,900	79.4%	81.1%	95.6%	95.3%
August	8,160	63,100	82.8%	81.5%	95.5%	95.3%
September	7,850	71,100	82.3%	81.6%	95.3%	95.4%
October	8,690	80,000	88.2%	82.6%	96.1%	95.5%

1/ Data are rounded to three significant digits.

Source: American Iron and Steel Institute.

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

Period	American Metal Market No. 1 HMS		Iron Age No. 1 HMS		Iron Age Pig Iron	
	$/lt	$/t	$/lt	$/t	$/lt	$/t
1998:						
January	138.07	135.89	132.92	130.82	180.88	178.02
February	132.13	130.04	126.71	124.71	180.88	178.02
March	125.33	123.35	120.17	118.27	180.88	178.02
April	124.00	122.04	118.79	116.91	179.48	176.65
May	124.53	122.56	119.99	118.09	175.28	172.51
June	122.76	120.82	118.70	116.83	175.68	172.91
July	118.67	116.80	114.58	112.77	171.92	169.20
August	108.09	106.38	104.53	102.88	171.92	169.20
September	97.93	96.38	93.42	91.94	167.44	164.80
October	82.32	81.02	77.59	76.36	154.00	151.57
November	73.86	72.69	70.33	69.22	151.31	148.92
December	72.73	71.58	71.17	70.05	140.56	138.34
Average	110.04	108.30	105.74	104.07	169.19	166.51
1999:						
January	83.88	82.56	83.17	81.86	140.56	138.34
February	94.50	93.01	91.79	90.34	140.56	138.34
March	84.60	83.26	80.34	79.07	135.86	133.71
April	84.50	83.17	80.42	79.15	132.72	130.62
May	91.31	89.87	88.34	86.94	135.52	133.38
June	93.89	92.41	91.63	90.18	138.77	136.58
July	92.83	91.36	89.50	88.09	140.56	138.34
August	99.10	97.53	94.80	93.30	141.90	139.66
September	99.67	98.10	96.21	94.69	142.80	140.54
October	99.67	98.10	96.13	94.61	146.16	143.85
Average	92.40	90.94	89.23	87.82	139.54	137.34

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