



U.S. Department of the Interior • Bureau of Mines

MINERAL INDUSTRY SURVEYS

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Iron and Steel Scrap, Monthly

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IRON AND STEEL SCRAP IN NOVEMBER 1993

Returns from 61% of consumers that manufacture pig iron and raw steel and castings, representing 76% of total scrap consumption by that sector, indicated that consumption of iron and steel scrap on a daily average basis in November 1993 fell 3% compared to that in October 1993, according to the U.S. Bureau of Mines. Compared with October 1993 data, daily average production fell 3%, net receipts rose slightly, and stocks at the end of the month rose 4%.

On a daily average basis for manufacturers of pig iron and raw steel and castings, pig iron production fell 7%, and consumption fell 3% from October 1993. Stocks of pig iron at month's end fell 35%, compared with those at the end of October 1993.

Exports of ferrous scrap for the month of October 1993 rose 36%, compared with that in September 1993. The Republic of Korea was the principal country of destination, accounting for 30% of the total exports in October 1993, followed by Turkey with 18% and Canada 13%.

Table 8 shows that, based on quantity, New York, NY, was the leading customs district for exports in October 1993, accounting for 21% of total exports, followed by Boston, MA, with 13% and Los Angeles, CA, with 9%. Los Angeles, CA, was the leading re-exporter, accounting for 65% of re-exporting activity, followed by Seattle, WA, with 35%.

Table 12 reveals that, on a quantity basis, Detroit, MI, was the leading customs district for imports in October 1993, accounting for 31% of the total imports, followed by Seattle, WA, with 23% and Buffalo, NY, with 20%.

According to the American Iron and Steel Institute, domestic raw steel production in November 1993 amounted to 7,064,000 metric tons, down 7% compared with 7,629,000 metric tons in October 1993 and up 5% from 6,758,000 metric tons in November 1992.

Prepared by the Branch of Metals and Branch of Data Collection and Coordination, January 25, 1994.



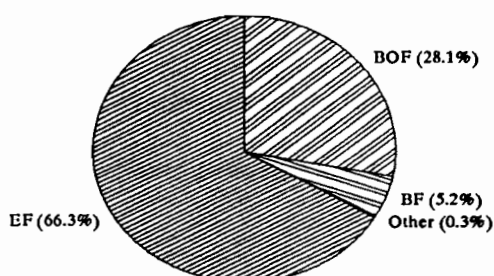
**James Boyd
Memorial Library**
28 FEB 1994

Year-to-date production through November 1993 was 79,896,000 metric tons, up 5% compared with 76,349,000 metric tons for the same period 1 year ago. The electric furnace (EF) portion of raw steel production for November 1993 was 39%, the same as in October 1993 and up 3% from November 1992. The EF share through November 1993 was 38%, up 1% from November 1992. Raw steel capability utilization in November 1993 was 86%, down 4% from October 1993 and up 6% from November 1992. Capability utilization through November 1993 was 88% and 81% through November 1992. Continuous cast steel production in the United States accounted for 87% of total raw steel production in November 1993, the same as in October 1993 and up from 82% in November 1992. Through November, continuous cast steel production represented 85% of total steel production in 1993, compared to 79% in 1992.

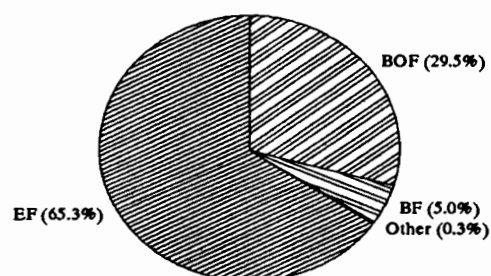
An internal evaluation indicates that ferrous scrap consumption by electric furnace manufacturers of raw steel was *understated* for November 1993 by 40,000 metric tons. The *understated* quantity for October 1993 was revised to 50,000 metric tons and the year to date understated total is 970,000 metric tons.

Iron and Steel Scrap Consumption

Breakdown in % by Furnace Type^{1/ 2/}



November 1993



Cumulative 1993

^{1/} Includes only manufacturers of raw steel.

^{2/} Data do not add to 100% because of independent rounding.

Monthly and cumulative rates for both raw steel capability utilization and continuous cast steel production are listed below, by percentage, as reported by the American Iron and Steel Institute.

Raw Steel Capability Utilization						
Month	1991		1992		1993	
	Month	YTD	Monthly	YTD	Month	YTD
January	74.6%	74.6%	80.5%	80.5%	84.8%	84.8%
February	73.1%	73.9%	82.4%	81.4%	89.0%	86.9%
March	71.7%	72.8%	83.5%	82.1%	87.0%	87.0%
April	72.5%	72.7%	85.3%	82.9%	87.4%	87.2%
May	70.0%	72.2%	83.5%	83.0%	88.3%	87.4%
June	71.7%	72.1%	82.1%	82.9%	87.5%	87.4%
July	74.8%	72.4%	78.9%	82.3%	86.9%	87.4%
August	75.2%	72.8%	78.7%	81.8%	86.2%	87.2%
September	78.5%	73.4%	78.3%	81.5%	87.7%	87.4%
October	78.0%	73.9%	80.9%	81.4%	90.2%	87.7%
November	78.0%	74.2%	80.4%	81.3%	86.3%	87.6%
December	74.4%	74.7%	77.7%	81.0%	--	--

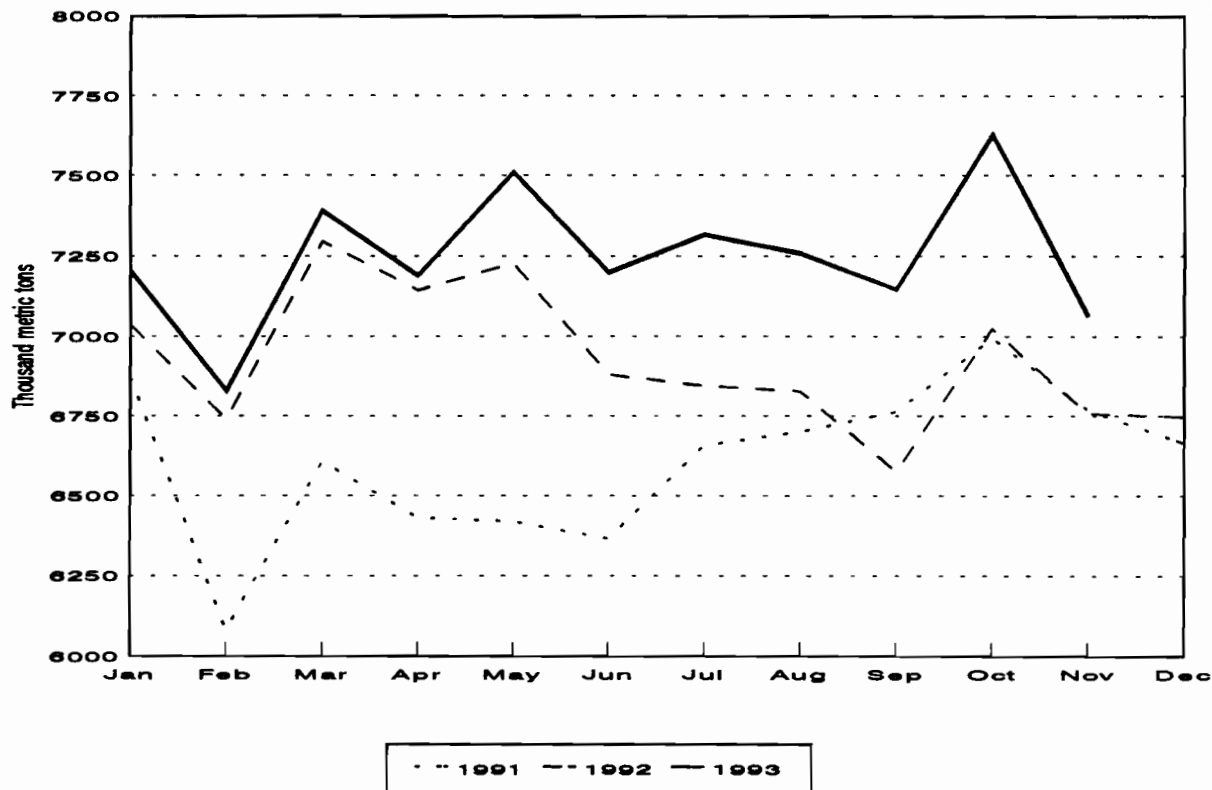
Continuous Cast Steel Production						
Month	1991		1992		1993	
	Month	YTD	Month	YTD	Month	YTD
January	73.7%	73.7%	77.0%	77.0%	83.2%	83.2%
February	77.9%	75.7%	76.7%	76.8%	83.2%	83.2%
March	76.9%	76.0%	76.9%	76.8%	84.2%	84.6%
April	75.3%	75.8%	76.2%	76.7%	84.1%	84.5%
May	76.1%	75.8%	78.0%	76.9%	86.3%	84.9%
June	75.4%	75.8%	77.5%	77.0%	85.8%	85.0%
July	75.0%	75.6%	78.0%	77.2%	85.1%	85.0%
August	75.4%	75.5%	80.1%	77.5%	84.5%	85.0%
September	75.6%	75.5%	80.6%	77.8%	85.5%	85.0%
October	75.0%	75.4%	82.0%	78.2%	86.7%	85.2%
November	75.6%	75.5%	82.4%	78.6%	86.7%	85.4%
December	77.5%	75.6%	81.7%	78.9%	--	--

Comparative monthly composite prices in dollars per long ton (\$/lt) and dollars per metric ton (\$/mt) for No. 1 heavy melting steel scrap are shown as quoted by two sources:

American Metal Market						
Month	1991		1992		1993	
	\$/lt	\$/mt	\$/lt	\$/mt	\$/lt	\$/mt
January	105.04	103.38	85.67	84.32	98.47	96.91
February	102.36	100.74	86.51	85.14	106.48	104.80
March	98.79	97.23	88.00	86.61	106.66	104.98
April	97.78	96.24	88.64	87.24	103.39	101.76
May	94.78	93.28	87.28	85.90	104.13	102.49
June	88.97	87.56	85.06	83.72	111.30	109.54
July	87.19	85.81	85.00	83.66	116.02	114.19
August	90.21	88.79	85.30	83.95	113.45	111.66
September	91.67	90.22	85.67	84.32	115.14	113.32
October	90.55	89.12	84.33	83.00	128.24	126.22
November	86.16	84.80	84.00	82.67	132.20	130.11
December	85.67	84.32	86.86	85.49	135.40	133.26
Avg through Nov.	93.95	92.47	85.95	84.59	112.33	110.55
Avg through Dec.	93.26	91.79	86.03	84.67	114.25	112.44

Iron Age						
Month	1991		1992		1993	
	\$/lt	\$/mt	\$/lt	\$/mt	\$/lt	\$/mt
January	103.25	101.62	84.29	82.96	97.33	95.79
February	100.67	99.08	85.21	83.86	104.25	102.60
March	98.50	96.94	86.73	85.36	102.67	101.05
April	98.23	96.68	87.33	85.95	101.17	99.57
May	93.50	92.02	86.08	84.72	101.33	99.73
June	87.92	86.53	83.67	82.35	107.90	106.20
July	88.10	86.71	83.92	82.59	113.00	111.22
August	92.00	90.55	84.70	83.36	110.23	108.49
September	92.70	91.24	85.42	84.07	112.29	110.52
October	91.75	90.30	83.83	82.51	126.37	124.37
November	86.67	85.30	83.53	82.21	131.07	129.00
December	85.23	83.88	88.04	86.65	133.33	131.22
Avg through Nov.	93.94	92.45	84.97	83.63	109.78	108.05
Avg through Dec.	93.21	91.74	85.23	83.88	111.75	109.98

U. S. Raw Steel Production



Source: American Iron and Steel Institute.

Monthly and Cumulative totals for raw steel production in the United States are shown below, as reported by the American Iron and Steel Institute. All weights are presented in thousand metric tons¹.

Month	1991		1992		1993	
	Monthly	YTD	Monthly	YTD	Monthly	YTD
January	6,874	6,874	7,035	7,035	7,205	7,205
February	6,082	12,956	6,742	13,776	6,829	14,053
March	6,607	19,476	7,296	21,073	7,391	21,445
April	6,431	25,909	7,144	28,218	7,190	28,683
May	6,419	32,323	7,228	35,447	7,510	36,191
June	6,366	38,689	6,880	42,328	7,200	43,389
July	6,657	45,307	6,845	49,168	7,317	50,728
August	6,701	52,012	6,828	55,998	7,258	57,986
September	6,765	58,777	6,576	62,576	7,147	65,198
October	6,995	65,803	7,023	69,601	7,629	72,825
November	6,769	72,540	6,758	76,349	7,064	79,896
December	6,665	79,738	6,747	84,322	--	--

¹Monthly raw steel figures may not add to cumulative totals shown.

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

(Metric tons)

	November 1993 ^{2/}			Revised total for month of Oct 1993 ^{6/}	Total year through Nov 1993
	Integrated steel producers ^{3/}	Electric furnace steel producers ^{4/}	Total for steel producers ^{5/}		
Scrap:					
Receipts from dealers and other sources	731,595	2,508,199	3,239,794	3,213,567	32,649,732
Receipts from other own company plants	97,471	115,217	212,688	379,747	3,798,922
Production recirculating scrap	1,035,169	405,594	1,440,763	1,531,868	16,090,811
Production obsolete scrap	20,393	6,326	26,719	38,810	543,891
Consumption	1,527,495	2,899,783	4,427,278	4,721,810	48,901,912
Shipments	337,867	13,441	351,308	397,186	4,266,648
Stocks end of month	840,715	1,891,717	2,732,432	2,627,830	XX
Pig iron:					
Receipts	192,788	9,717	202,505	198,320	1,808,994
Production	3,807,753	--	3,807,753	4,209,938	44,087,414
Consumption	(7/)	(7/)	3,880,781	4,113,645	43,967,482
Shipments	211,145	--	211,145	219,288	1,927,172
Stocks end of month	143,117	8,992	152,109	234,758	XX
Direct - reduced or prerduced iron:					
Receipts ^{8/}	(7/)	(7/)	86,047	107,254	1,140,063
Production	--	W	W	W	W
Consumption	36,575	70,442	107,017	122,777	1,152,001
Shipments	--	--	--	960	2,355
Stocks end of month	55,030	41,766	96,796	117,509	XX

W Withheld to avoid disclosing company proprietary data. XX Not applicable.

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

2/Based on returns from 61% of consumers, representing 76% of scrap consumption.

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

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

5/Data may not add to totals shown because of independent rounding.

6/Based on returns from 67% of consumers, representing 78% of scrap consumption.

7/Withheld to avoid disclosing company proprietary data; included in "Total for steel producers."

8/Includes production.

TABLE 2
CONSUMPTION OF IRON AND STEEL SCRAP, PIG IRON, AND DIRECT REDUCED IRON, BY TYPE OF CONSUMER^{1/} AND TYPE OF FURNACE OR OTHER USE, NOVEMBER 1993

(Metric tons)

Type of furnace or other uses	Integrated steel producers			Electric furnace steel producers			Totals for steel producers		
	Scrap	Pig iron	Direct reduced iron	Scrap	Pig iron	Direct reduced iron	Scrap	Pig iron	Direct reduced iron
Blast furnace ^{2/}	231,749	--	W	--	--	--	231,749	--	W
Basic oxygen process ^{3/}	1,244,987	W	W	(4/)	--	--	1,244,987	W	W
Electric furnace	(5/)	--	2,576	2,937,001	W	70,442	2,937,001	W	73,018
Cupola furnace	--	--	--	--	--	--	--	--	--
Other ^{6/} (includes air furnace)	13,542	--	--	(4/)	--	--	13,542	--	--
Direct castings ^{7/}	--	W	--	--	--	--	--	W	--
Total ^{8/}	1,490,278	W	36,575	2,937,001	W	70,442	4,427,278	3,880,781	107,017

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

1/Includes only those manufacturers of steel castings that also produce raw steel.

2/Includes consumption in all blast furnaces producing pig iron.

3/Includes scrap and pig iron processed in metallurgical blast cupolas and used in oxygen converters.

4/Withheld to avoid disclosing company proprietary data; included in scrap consumption data by furnace type for "Integrated steel producers."

5/Withheld to avoid disclosing company proprietary data; included in scrap consumption data by furnace type for "Electric furnace steel producers."

6/Includes vacuum melting furnaces and miscellaneous uses.

7/Includes ingot molds and stools.

8/Data may not add to totals shown because of independent rounding.

TABLE 3
RECEIPTS, PRODUCTION, SHIPMENTS AND STOCKS OF IRON AND STEEL SCRAP, BY GRADE, FOR STEEL PRODUCERS/ IN NOVEMBER 1993

Item	Receipts of scrap		Production of home scrap			Consumption of purchased and home scrap ⁴	Shipments of scrap	Ending stocks
	Brokers and other outside sources	Other own company plants	Recirculating scrap ²	Obsolete scrap ³				
Scrap:								
Carbon steel								
Low-phosphorus plate and punchings	24,968	--	35,198	--	59,756	397	43,636	
Cut structural and plate	254,916	766	61,254	7,065	314,183	3,133	167,148	
No. 1 heavy melting steel	566,479	14,228	457,170	943	849,336	150,393	547,154	
No. 2 heavy melting steel	371,438	3,940	41,230	340	383,670	618	378,387	
No. 1 and electric furnace bundles	445,618	43,551	83,953	179	525,198	43,206	324,509	
No.2 and all other bundles	111,412	518	5,811	--	114,557	--	56,893	
Electric furnace 1 foot and under (not bundles)	233	18,177	12,273	--	26,801	4,369	13,196	
Railroad rails	29,853	--	2,143	--	33,056	--	23,457	
Turnings and borings	128,109	20	13,674	--	140,481	1,051	75,261	
Slag scrap (Fe content 79%)	113,331	5,856	122,349	99	187,207	31,693	100,125	
Shredded and fragmented	574,322	70,880	1,733	--	613,245	--	421,620	
No. 1 busheling	210,100	9,206	10,737	--	202,098	5,339	153,277	
All other carbon steel scrap	206,197	31,935	441,264	1,867	628,120	71,961	65,472	
Stainless steel scrap	36,471	25	30,009	--	73,034	2,902	39,217	
Alloy steel scrap	15,274	6,665	48,422	18	67,536	1,803	73,683	
Ingot mold and stool scrap	6,747	406	9,535	16,185	22,886	9,351	51,466	
Machinery and cupola cast iron	3,983	--	229	--	4,341	161	3,947	
Cast iron borings	10,455	--	42	23	12,102	1	4,644	
Other iron scrap	30,618	5,640	47,991	--	70,973	18,712	72,066	
Other mixed scrap	99,268	875	15,748	--	98,700	6,219	117,274	
Total scrap/	3,239,794	212,688	1,440,763	26,719	4,427,278	351,308	2,732,432	
Total scrap through November 1993	32,649,732	3,798,922	16,090,811	543,891	48,901,912	4,266,648	2,732,432	

1/Includes only those manufacturers of steel castings that also produce raw steel.

2/Recirculating scrap resulting from current operations.

3/Obsolete scrap includes ingot molds, stools, and scrap from old equipment, buildings, etc.

4/Home scrap includes recirculating scrap.

5/Data may not add to totals shown because of independent rounding.

TABLE 4
IRON AND STEEL SCRAP SUPPLY AVAILABLE FOR CONSUMPTION IN NOVEMBER 1993, BY REGION AND STATE
(Metric tons)

	Receipts of scrap		Production of home scrap		Shipments of scrap ³	New supply available for consumption
	From brokers, dealers, and other outside sources	From other company plants	Recirculating scrap	Obsolete scrap ²		
New England and Middle Atlantic:						
New Jersey, New York, Rhode Island	139,178	--	W	--	W	144,384
Pennsylvania	288,511	W	W	W	W	447,684
Total ⁴	427,689	W	162,911	W	13,210	592,068
North Central:						
Illinois	339,870	7,768	97,978	W	W	441,686
Indiana	307,039	W	528,962	W	W	631,784
Iowa, Minnesota, Missouri, Wisconsin	167,591	W	19,418	--	--	202,607
Michigan	197,687	W	63,435	W	W	252,366
Ohio	371,051	W	212,394	12,425	W	604,971
Total ⁴	1,383,238	118,272	922,187	14,940	305,223	2,133,414
South Atlantic:						
Delaware, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, West Virginia	322,762	W	160,178	W	W	484,342
South Central:						
Alabama, Arkansas, Kentucky, Louisiana, Mississippi, Oklahoma, Tennessee, Texas	823,523	62,684	117,500	2,245	11,179	994,773
Mountain and Pacific:						
California, Colorado, Oregon, Utah, Washington	282,582	--	77,986	W	W	364,057
Grand total ⁴	3,239,794	212,688	1,440,763	26,719	351,308	4,568,636

W Withheld to avoid disclosing company proprietary data, included in "Total" and/or "Grand total."

1/New supply available for consumption is a net figure computed by adding production to receipts and deducting scrap shipped during the month. The plus or minus difference in stock levels at the beginning and end of the month is not taken into consideration.

2/Obsolete scrap includes ingot molds, stools, and scrap from old equipment, buildings, etc.

3/Includes scrap shipped, transferred, or otherwise disposed of during the year.

4/Data may not add to totals shown because of independent rounding.

TABLE 5
RECEIPTS OF IRON AND STEEL SCRAP¹/ IN NOVEMBER 1993, BY REGION²/ AND GRADE

(Metric tons)

Item	New England and Mid-Atlantic	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:					
Low-phosphorus plate and punchings	13,369	10,805	W	W	--
Cut structural and plate	48,880	77,342	34,976	62,647	31,071
No. 1 heavy melting steel	62,136	192,929	64,817	189,371	57,225
No. 2 heavy melting steel	W	147,478	36,262	147,293	W
No. 1 and electric furnace bundles	39,394	333,589	29,946	38,036	4,654
No. 2 and all other bundles	20,924	40,166	12,242	30,247	7,834
Electric furnace 1 foot and under (not bundles)	W	W	--	--	--
Railroad rails	W	W	W	W	W
Turnings and borings	33,006	36,884	13,009	35,251	9,958
Slag scrap (Fe content 79%)	W	44,647	26,043	30,538	W
Shredded and fragmented	63,153	215,544	48,150	199,200	48,277
No. 1 busheling	52,044	108,527	23,425	20,756	5,346
All other carbon steel scrap	14,278	104,764	7,546	44,266	35,343
Stainless steel scrap	34,516	W	--	--	W
Alloy steel scrap	6,549	6,839	--	W	W
Ingot mold and stool scrap	4,407	1,732	--	W	W
Machinery and cupola cast iron	--	3,467	--	516	--
Cast iron borings	W	W	--	731	--
Other iron scrap	2,028	18,185	5,987	4,227	192
Other mixed scrap	3,024	29,878	18,957	4,499	42,910
Total scrap ³ /	427,689	1,383,238	322,762	823,523	282,582

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

¹Scrap supplied from brokers, dealers and other outside sources.

²A breakout of the states within each region is provided in Table 4.

³Data may not add to totals shown because of independent rounding.

TABLE 6
IRON AND STEEL SCRAP CONSUMED IN NOVEMBER 1993, BY REGION¹/ AND GRADE

(Metric tons)

Item	New England and Mid-Atlantic	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:					
Low-phosphorus plate and punchings	14,858	9,532	W	W	W
Cut structural and plate	69,073	104,913	33,501	74,318	32,377
No. 1 heavy melting steel	95,387	318,929	162,064	201,644	71,312
No. 2 heavy melting steel	W	153,843	41,017	143,143	W
No. 1 and electric furnace bundles	43,824	406,779	34,849	34,723	5,022
No. 2 and all other bundles	19,851	47,369	10,910	28,123	8,304
Electric furnace 1 foot and under (not bundles)	W	W	--	W	--
Railroad rails	7,138	W	W	W	W
Turnings and borings	32,542	51,778	10,461	36,057	9,643
Slag scrap (Fe content 79%)	W	86,254	37,594	30,834	W
Shredded and fragmented	65,614	212,414	58,112	228,603	48,503
No. 1 busheling	47,319	104,186	23,961	21,734	4,898
All other carbon steel scrap	53,798	421,471	26,902	75,612	50,338
Stainless steel scrap	69,187	W	--	--	W
Alloy steel scrap	18,896	45,078	W	3,440	W
Ingot mold and stool scrap	8,653	6,395	W	2,083	W
Machinery and cupola cast iron	W	3,768	--	W	--
Cast iron borings	W	W	--	842	--
Other iron scrap	12,864	35,417	11,513	7,444	3,734
Other mixed scrap	3,993	32,572	10,269	8,547	43,318
Total scrap ² /	608,028	2,062,695	462,850	930,874	362,831

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

¹A breakout of the states within each region is provided in Table 4.

²Data may not add to totals shown because of independent rounding.

TABLE 7
U.S. EXPORTS OF IRON AND STEEL SCRAP^{1/}, BY COUNTRY

(Metric tons and U.S. dollars)

Country	October 1993		Year to date	
	Quantity	Value	Quantity	Value
Argentina	--	--	142	54,934
Australia	2/86	2/99,512	1,024	657,514
Austria	--	--	70	30,910
Bangladesh	--	--	23	13,500
Belgium	--	--	8,382	4,698,472
Brazil	27	2,705	5,631	768,139
Canada	124,914	15,518,891	1,185,290	140,129,456
Chile	--	--	79	51,500
China	33,900	4,794,090	485,778	77,115,084
Colombia	8,498	824,534	33,698	3,096,009
Costa Rica	353	184,404	1,014	555,521
Denmark	45	4,866	104	10,496
Dominican Republic	--	--	64	15,087
Ecuador	--	--	13	4,423
Egypt	--	--	21	43,152
El Salvador	--	--	18	6,000
France	1,709	455,913	2,578	876,787
Germany	277	86,884	12,988	1,819,256
Guatemala	21	6,431	1,986	593,752
Haiti	--	--	131	49,450
Honduras	196	55,107	543	90,140
Hong Kong	3,771	901,409	162,181	26,201,764
India	838	420,496	90,673	11,350,945
Indonesia	258	29,596	5,441	992,890
Ireland	7	6,517	1,003	118,967
Israel	--	--	94	156,216
Italy	--	--	6,123	2,745,545
Jamaica	--	--	173	93,906
Japan	2/109,035	2/16,784,616	478,668	84,614,895
Korea, Republic of	295,492	38,475,769	2,946,319	373,670,970
Lebanon	--	--	17	4,800
Malaysia	58,230	8,209,311	439,230	55,441,937
Mexico	73,320	8,650,071	459,052	56,535,645
Netherlands	257	29,509	7,565	3,322,310
New Zealand	--	--	30,813	4,959,054
Pakistan	21	17,256	74,465	9,820,544
Panama	27	3,680	290	39,207
Peru	--	--	24,300	3,395,044
Philippines	373	133,638	10,114	2,171,711
Portugal	32	3,108	202	32,010
Saudi Arabia	--	--	28	22,117
Singapore	175	54,466	2,157	890,347
South Africa, Republic of	15,693	470,792	38,467	3,283,855
Spain	3,354	1,844,903	27,656	14,922,312
Sweden	--	--	2,674	1,356,158
Switzerland	--	--	119	17,130
Taiwan	24,564	4,000,233	331,076	44,334,794
Thailand	33,099	5,812,072	107,726	16,074,226
Turkey	178,350	22,105,371	1,216,969	140,308,589
United Arab Emirates	2/40	2/72,564	851	312,819
United Kingdom	2/1,231	2/304,772	5,542	1,647,452
Uruguay	--	--	99	37,436
Venezuela	25,967	3,357,563	68,634	8,551,683
Total	994,160	133,721,049	8,278,298	1,098,106,860

1/Excludes used rails for rerolling and other uses and ships, boats and other vessels for scrapping.

2/All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 8
U.S. EXPORTS AND RE-EXPORTS OF IRON AND STEEL SCRAP¹/IN OCTOBER 1993, BY CUSTOMS DISTRICT

(Metric tons and U.S. dollars)

Customs District	Code	Exports		Re-exports		Exports plus re-exports	
		Quantity	Value	Quantity	Value	Quantity	Value
Baltimore, MD	13	2,491	2,454,865	--	--	491	454,865
Boston, MA	04	126,798	16,537,102	--	--	126,798	16,537,102
Buffalo, NY	09	9,058	2,211,756	--	--	9,058	2,211,756
Charleston, SC	16	20,118	2,609,387	--	--	20,118	2,609,387
Chicago, IL	39	16,157	2,872,829	--	--	16,157	2,872,829
Columbia - Snake	29	765	252,776	--	--	765	252,776
Detroit, MI	38	48,354	6,052,768	--	--	48,354	6,052,768
Duluth, MN	36	3,167	313,011	--	--	3,167	313,011
El Paso, TX	24	24	3,067	--	--	24	3,067
Great Falls, MT	33	907	149,420	--	--	907	149,420
Honolulu, HI	32	20,252	2,898,337	--	--	20,252	2,898,337
Houston-Galveston, TX	53	2,4828	2,718,496	--	--	4,828	2,718,496
Laredo, TX	23	68,245	8,076,536	--	--	68,245	8,076,536
Los Angeles, CA	27	2,88,012	2,14,299,084	32	9,724	88,044	14,308,808
Miami, FL	52	139	55,718	--	--	139	55,718
New Orleans, LA	20	25,853	5,461,831	--	--	25,853	5,461,831
New York, NY	10	2,204,648	2,23,917,638	--	--	204,648	23,917,638
Nogales, AZ	26	533	53,418	--	--	533	53,418
Norfolk, VA	14	2,29,403	2,2,901,260	--	--	29,403	2,901,260
Ogdensburg, NY	07	2,793	1,057,542	--	--	2,793	1,057,542
Pembina, ND	34	44,472	4,804,104	--	--	44,472	4,804,104
Philadelphia, PA	11	46,397	6,209,086	--	--	46,397	6,209,086
Portland, ME	01	67,357	8,540,428	--	--	67,357	8,540,428
Providence, RI	05	30,122	4,077,075	--	--	30,122	4,077,075
San Diego, CA	25	1,149	153,252	--	--	1,149	153,252
San Francisco, CA	28	54,439	8,407,228	--	--	54,439	8,407,228
San Juan, PR	49	11,867	1,188,332	--	--	11,867	1,188,332
Savannah, GA	17	311	101,145	--	--	311	101,145
Seattle, WA	30	27,628	4,269,229	2/17	2,23,976	27,645	4,293,205
St Albans, VT	02	368	118,008	--	--	368	118,008
Wilmington, NC	15	145	20,688	--	--	145	20,688
Other ³ /	70,80	39,360	2,935,633	--	--	39,360	2,935,633
Total		994,160	133,721,049	49	33,700	994,209	133,754,749

¹/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/All or part of these data have been referred to the Bureau of the Census for verification.

³/"Other" includes Code 70, which is for low-valued exports and imports between the U.S. and Canada, and Code 80, which is for items that leave the U.S. by mail.

Source: Bureau of the Census.

TABLE 9
U.S. EXPORTS AND RE-EXPORTS OF IRON AND STEEL SCRAP¹/IN JANUARY – OCTOBER 1993, BY CUSTOMS DISTRICT

(Metric tons and U.S. dollars)

Customs District	Code	Exports		Re-exports		Exports plus re-exports	
		Quantity	Value	Quantity	Value	Quantity	Value
Anchorage, AK	31	21,281	2,850,055	--	--	21,281	2,850,055
Baltimore, MD	13	25,842	5,459,490	--	--	25,842	5,459,490
Boston, MA	04	698,271	78,989,732	--	--	698,271	78,989,732
Buffalo, NY	09	75,124	19,019,651	20	3,339	75,144	19,022,990
Charleston, SC	16	72,148	13,147,733	--	--	72,148	13,147,733
Chicago, IL	39	18,285	3,160,305	35	19,950	18,320	3,180,255
Columbia – Snake	29	118,705	18,186,630	--	--	118,705	18,186,630
Detroit, MI	38	229,588	33,763,607	34	3,245	229,622	33,766,852
Duluth, MN	36	47,193	5,737,496	--	--	47,193	5,737,496
El Paso, TX	24	457	99,751	--	--	457	99,751
Great Falls, MT	33	6,198	873,418	--	--	6,198	873,418
Honolulu, HI	32	90,746	11,444,497	--	--	90,746	11,444,497
Houston – Galveston, TX	53	113,834	42,425,527	--	--	113,834	42,425,527
Laredo, TX	23	374,821	46,412,172	523	57,894	375,344	46,470,066
Los Angeles, CA	27	1,268,569	181,689,999	975	159,776	1,269,544	181,849,775
Miami, FL	52	83,994	10,171,868	--	--	83,994	10,171,868
Mobile, AL	19	2,593	481,275	--	--	2,593	481,275
New Orleans, LA	20	191,355	41,715,223	--	--	191,355	41,715,223
New York, NY	10	1,335,503	156,643,179	185	33,457	1,335,688	156,676,636
Nogales, AZ	26	1,940	206,060	--	--	1,940	206,060
Norfolk, VA	14	190,014	23,187,890	20	9,077	190,034	23,196,967
Ogdensburg, NY	07	22,474	8,143,444	--	--	22,474	8,143,444
Pembina, ND	34	429,695	44,537,319	92	7,526	429,787	44,544,845
Philadelphia, PA	11	564,231	65,248,637	--	--	564,231	65,248,637
Portland, ME	01	286,426	32,500,590	21	3,826	286,447	32,504,416
Providence, RI	05	311,203	38,413,574	--	--	311,203	38,413,574
San Diego, CA	25	3,962	485,837	--	--	3,962	485,837
San Francisco, CA	28	657,815	99,265,364	17	10,470	657,832	99,275,834
San Juan, PR	49	41,439	4,262,805	--	--	41,439	4,262,805
Savannah, GA	17	2,567	964,509	--	--	2,567	964,509
Seattle, WA	30	331,456	46,438,020	218	69,691	331,674	46,507,711
St Albans, VT	02	2,477	1,092,330	--	--	2,477	1,092,330
Tampa, FL	18	270,427	31,151,561	--	--	270,427	31,151,561
Virgin Islands	51	2,298	110,000	--	--	2,298	110,000
Washington, DC	54	92	9,210	--	--	92	9,210
Wilmington, NC	15	785	157,937	--	--	785	157,937
Other ² /	70,80	384,490	29,660,165	--	--	384,490	29,660,165
Total		8,278,298	1,098,106,860	2,140	378,251	8,280,438	1,098,485,111

¹/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/^{Other} includes Code 70, which is for low-valued exports and imports between the U.S. and Canada, and Code 80, which is for items that leave the U.S. by mail.

Source: Bureau of the Census.

TABLE 10
U.S. EXPORTS OF IRON AND STEEL SCRAP AND OTHER FERROUS PRODUCTS, BY GRADE

(Metric tons and U.S. dollars)

Grade of Scrap	October 1993		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel scrap	127,141	16,265,596	1,588,769	183,904,799
No. 2 heavy melting steel scrap	67,541	8,406,762	571,787	62,935,681
No. 1 bundles	7,316	1,009,770	173,425	22,738,642
No. 2 bundles	17,959	1,948,499	190,591	18,697,846
Shredded steel scrap	305,966	40,699,925	2,361,061	284,752,535
Borings, shovelings and turnings	12,025	1,093,141	133,122	11,388,917
Cut plate and structural	64,883	9,948,366	503,269	66,307,616
Tinned iron or steel	1/2,739	1/771,982	91,061	16,813,593
Remelting scrap ingots	44	31,634	533	367,438
Cast iron	186,888	19,617,316	1,290,747	139,567,399
Other iron and steel	1/158,054	1/18,329,797	875,222	107,305,154
Total carbon steel & cast iron	<u>950,556</u>	<u>118,122,788</u>	<u>7,779,587</u>	<u>914,779,620</u>
Stainless steel	1/21,649	1/11,973,079	201,114	128,401,567
Other alloy steel	1/21,955	1/3,625,182	297,597	54,925,673
Total stainless & alloy steel	<u>43,604</u>	<u>15,598,261</u>	<u>498,711</u>	<u>183,327,240</u>
Total carbon, stainless, alloy steel and cast iron	994,160	133,721,049	8,278,298	1,098,106,860
Ships, boats, and other vessels for breaking up (for scrapping)	24,082	1,294,300	119,432	10,133,478
Used rails for rerolling and other uses ^{2/}	4,126	1,265,835	32,521	9,868,996
Total scrap exports	<u>1,022,368</u>	<u>136,281,184</u>	<u>8,430,251</u>	<u>1,118,109,334</u>
EXPORTS OF MANUFACTURED FERROUS PRODUCTS:				
Pig iron < or = 0.5% phosphorus	1,151	136,646	15,572	1,675,238
Pig iron > 0.5% phosphorus	39	7,803	1,918	218,508
Alloy pig iron	436	49,495	4,284	487,090
Total pig iron	<u>1,626</u>	<u>193,944</u>	<u>21,774</u>	<u>2,380,836</u>
Direct reduced iron(DRI) > 80% iron	1,359	144,078	14,430	1,610,421
DRI minimum of 99.94% metallic iron	262	240,365	4,621	3,083,675
Ferrous granules	2,989	1,648,120	23,277	11,707,830
Powders of alloy steel	207	313,018	3,071	6,480,001
Other ferrous powders	1,749	2,553,375	13,980	20,242,773
Total DRI, granules & powders	<u>6,566</u>	<u>4,898,956</u>	<u>59,379</u>	<u>43,124,700</u>
Grand total	1,030,560	141,374,084	8,511,404	1,163,614,870

1/All or part of these data have been referred to the Bureau of the Census for verification.

2/Total includes mixed (used plus new) rails. For month of October: 1,202 metric tons valued at \$707,885; for year to date: 6,813 metric tons valued at \$4,199,122.

Source: Bureau of the Census.

TABLE 11
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP 1/, BY COUNTRY

(Metric tons and U.S. dollars)

Country	October 1993		Year to date	
	Quantity	Value	Quantity	Value
Aruba	--	--	38	17,176
Australia	12	1,505	22	2,771
Bahamas, The	--	--	76	7,500
Belgium	--	--	162	30,909
Brazil	4,256	149,056	5,205	392,461
Canada	2/107,724	2/12,920,860	909,432	98,783,099
China	--	--	3,326	362,240
Cocos Islands	--	--	69	7,999
Colombia	--	--	170	94,224
Costa Rica	--	--	20	1,829
Denmark	--	--	18	25,250
Dominican Republic	--	--	33	16,051
Finland	--	--	124	66,242
France	--	--	5	7,793
Germany	76	45,922	2,158	665,121
Hong Kong	--	--	19	5,700
Israel	--	--	125	29,216
Italy	--	--	19	12,858
Jamaica	--	--	9,773	975,749
Japan	3,440	359,319	37,969	4,403,429
Lithuania	--	--	1,891	217,464
Mexico	2/8,451	2/1,578,606	79,111	15,047,561
Netherlands Antilles	--	--	16	6,221
Panama	--	--	11	3,797
Sweden	--	--	404	203,120
Switzerland	--	--	31	32,197
Trinidad and Tobago	--	--	170	93,169
Ukraine	--	--	1,330	581,400
United Arab Emirates	--	--	14	13,961
United Kingdom	4	4,866	1,450	190,658
Venezuela	18,857	1,865,673	175,255	15,459,514
Total	142,820	16,925,807	1,228,446	137,756,679

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/All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 12
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP^{1/}, BY CUSTOMS DISTRICT

(Metric tons and U.S. dollars)

Customs District	Code	October 1993		Year to date	
		Quantity	Value	Quantity	Value
Baltimore, MD	13	4,218	134,647	44,753	1,405,205
Buffalo, NY	09	28,093	3,557,524	163,967	20,475,808
Charleston, SC	16	18,501	1,688,453	40,501	3,682,027
Chicago, IL	39	--	--	9,696	737,745
Cleveland, OH	41	2,717	316,765	53,427	4,680,615
Dallas - Fort Worth, TX	55	--	--	95	15,253
Detroit, MI	38	43,905	5,497,593	399,449	45,193,106
Duluth, MN	36	--	--	256	190,599
El Paso, TX	24	2/1,581	2/243,409	18,288	2,675,282
Great Falls, MT	33	136	19,895	1,358	261,824
Honolulu, HI	32	--	--	2,124	243,930
Houston - Galveston, TX	53	337	170,020	3,058	1,429,265
Laredo, TX	23	4,912	983,475	48,398	9,743,822
Los Angeles, CA	27	432	17,105	2,339	98,478
Miami, FL	52	19	7,200	752	289,318
New Orleans, LA	20	114	16,615	105,131	9,889,292
New York, NY	10	--	--	1,065	183,181
Nogales, AZ	26	2/43	2/20,385	577	283,390
Norfolk, VA	14	3	1,796	329	113,672
Ogdensburg, NY	07	1,557	311,452	17,229	4,296,027
Pembina, ND	34	2/144	2/124,142	5,653	1,010,507
Philadelphia, PA	11	58	31,003	4,885	1,070,472
Portland, ME	01	1,188	98,808	5,572	473,221
San Diego, CA	25	1,915	331,337	13,511	2,632,653
San Francisco, CA	28	--	--	19	5,700
Savannah, GA	17	60	16,350	220	59,950
Seattle, WA	30	32,867	3,335,186	284,383	26,336,137
St Albans, VT	02	20	2,647	1,214	195,259
Tampa, FL	18	--	--	197	84,941
Total		142,820	16,925,807	1,228,446	137,756,679

^{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/}All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 13
U.S. IMPORTS OF IRON AND STEEL SCRAP AND OTHER FERROUS PRODUCTS, BY GRADE

(Metric tons and U.S. dollars)

Grade of Scrap	October 1993		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel scrap	3,060	327,755	34,118	3,752,029
No. 2 heavy melting steel scrap	80	6,000	2,741	231,612
No. 1 bundles	11,729	1,262,938	98,671	9,954,626
No. 2 bundles	1,216	124,447	11,083	1,074,324
Shredded steel scrap	10,761	1,442,774	64,719	8,277,469
Borings, shovelings and turnings	5,771	532,080	56,251	4,854,777
Cut plate and structural	1,740	201,258	19,469	2,299,696
Tinned iron or steel	1/1,126	1/107,835	11,556	1,281,469
Remelting scrap ingots	1/28,242	1/2,980,306	161,414	16,743,627
Cast iron	9,019	1,136,057	60,555	7,341,006
Other iron and steel	1/47,684	1/5,128,913	498,485	45,620,511
Total carbon steel & cast iron	<u>120,428</u>	<u>13,250,363</u>	<u>1,019,062</u>	<u>101,431,146</u>
Stainless steel	4,471	1,387,908	40,820	17,127,013
Other alloy steel	17,921	2,287,536	168,564	19,198,520
Total stainless & alloy steel	<u>22,392</u>	<u>3,675,444</u>	<u>209,384</u>	<u>36,325,533</u>
Total carbon, stainless, alloy steel and cast iron	142,820	16,925,807	1,228,446	137,756,679
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	18	81,711
Used rails for rerolling and other uses	4,516	706,385	54,664	9,860,312
Total scrap imports	<u>147,336</u>	<u>17,632,192</u>	<u>1,283,128</u>	<u>147,698,702</u>
IMPORTS OF MANUFACTURED FERROUS PRODUCTS:				
Pig iron < or = 0.5% phosphorus	67,344	9,416,612	582,519	76,518,006
Pig iron > 0.5% phosphorus	--	--	160	27,852
Alloy pig iron	--	--	33,603	4,889,250
Total pig iron	<u>67,344</u>	<u>9,416,612</u>	<u>616,282</u>	<u>81,435,108</u>
Direct reduced iron(DRI) > 80% iron	1/169,901	1/11,518,653	802,760	72,072,506
DRI minimum of 99.94% metallic iron	672	371,317	22,201	3,274,747
Ferrous granules	2,448	1,273,166	20,705	11,316,476
Powders of alloy steel	948	2,249,625	7,582	11,016,622
Other ferrous powders	5,018	5,320,574	53,185	46,810,896
Total DRI, granules & powders	<u>178,987</u>	<u>20,733,335</u>	<u>906,433</u>	<u>144,491,247</u>
Grand total	<u>393,667</u>	<u>47,782,139</u>	<u>2,805,843</u>	<u>373,625,057</u>

1/All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.