

Mineral Industry Surveys

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IRON AND STEEL SCRAP IN JANUARY 1999

On a daily basis in January 1999, estimated consumption of iron and steel scrap was up by 4% compared with that of December 1998, according to the U.S. Geological Survey. Compared with December 1998 data, daily average production rose by 3%, net receipts were unchanged, and stocks at the end of the month were down by 4%. These observations are based upon responses from 64% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent 50% of the total scrap consumption in those sectors, and estimates for non-respondents of this survey.

On a daily average basis, pig iron production and consumption were both down slightly from that of December 1998. Stocks of pig iron at month's end decreased by 4% compared with those at the end of December 1998.

Exports for the month of December 1998 increased by 21% compared with those of November 1998. The Republic of Korea was the leading country of destination, accounting for 31% of the total exports in December 1998, followed by Turkey with 22% and Canada with 20%.

Table 7 shows that New York, NY, was the leading customs district for tonnage of exports in December 1998, accounting for

17% of the total exports, followed by Los Angeles, CA, with 14% and Honolulu, HI, with 9%.

Table 10 shows that Detroit, MI, was the leading U.S. Customs district for tonnage of imports in December 1998, accounting for 44% of the total imports, followed by New Orleans, LA, with 24% and Seattle, WA, with 13%.

According to the American Iron and Steel Institute (AISI), domestic raw steel production in January 1999 amounted to 7,640,000 metric tons, up 5% from 7,270,000 tons in December 1998 and down by 11% from 8,620,000 tons in January 1998. The electric furnace portion of raw steel production for January 1999 was 45%, up 3% from that in December 1998 and up 4% from that in January 1998.

Raw steel capability utilization (AISI data) in January 1999 was 77%, up 2% from that in December 1998 and down 13% from that in January 1998. Continuous cast steel production in the United States accounted for 95% of total raw steel production in January 1999, or about the same as that in both December 1998 and that in January 1998.

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

(Thousand metric tons)

| | January 1999 | | |
|--|-------------------------------------|--|---------------------------------|
| | Integrated steel producers 3/ | Electric furnace steel producers 4/ | Total for steel producers |
| Scrap: | | | |
| Receipts from dealers and other sources | 670 | 2,300 | 3,000 |
| Receipts from other own company plants | W | W | 160 |
| Production recirculating scrap | 630 | 390 | 1,000 |
| Production obsolete scrap | 9 | 1 | 11 |
| Consumption (by type of furnace): | | | |
| Blast furnace | (5/) | -- | (5/) |
| Basic oxygen process | W | W | 1,100 |
| Electric furnace | W | W | 3,000 |
| Other (including air furnace) 6/ | (5/) | -- | (5/) |
| Total consumption | 1,300 | 2,900 | 4,200 |
| Shipments | 140 | 110 | 240 |
| Stocks end of month | 2,200 | 2,100 | 4,300 |
| Pig iron (includes hot metal): | | | |
| Receipts | 470 | 120 | 590 |
| Production | 3,400 | -- | 3,400 |
| Consumption (by type of furnace): | | | |
| Basic oxygen process | W | W | 3,400 |
| Direct castings 7/ | (5/) | -- | (5/) |
| Electric furnace | (8/) | (8/) | (8/) |
| Total consumption | (8/) | (8/) | 3,400 |
| Shipments | W | -- | W |
| Stocks end of month | 170 | 300 | 470 |
| Direct-reduced iron: 9/ | | | |
| Receipts | W | W | W |
| Consumption (by type of furnace): | | | |
| Blast furnace | 33 | -- | 33 |
| Basic oxygen process | (10/) | -- | (10/) |
| Electric furnace | (8/) | (8/) | (8/) |
| Total consumption | 33 | (8/) | 33 |
| Shipments | -- | -- | -- |
| Stocks, end of month | W | W | 250 |

W Withheld to avoid disclosing company proprietary data; included in "Total for steel producers" and/or "Total consumption."

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. January 1999 data are based on returns from 64% of monthly respondents, representing 50% of scrap consumption during this month, and estimates for nonrespondents of this survey.

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

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

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

6/ Includes vacuum melting furnaces and miscellaneous uses.

7/ Includes ingot molds and stools.

8/ Withheld to avoid disclosing company proprietary data.

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

10/ 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 | January 1999 | | | |
|---|--|--|--|---------------|
| | 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 3/ | Ending stocks |
| Carbon steel: | | | | |
| Low-phosphorus plate and punchings | 26 | -- | 28 | 18 |
| Cut structural and plate | 260 | 54 | 310 | 240 |
| No. 1 heavy melting steel | 390 | 300 | 750 | 580 |
| No. 2 heavy melting steel | 380 | 34 | 420 | 490 |
| No. 1 and electric furnace bundles | 460 | W | 590 | 380 |
| No. 2 and all other bundles | 62 | W | 70 | 100 |
| Electric furnace 1 foot and under (not bundles) | -- | 14 | W | W |
| Railroad rails | 15 | W | 17 | 13 |
| Turnings and borings | 130 | 4 | 160 | 84 |
| Slag scrap | 55 | 100 | 160 | 180 |
| Shredded and fragmented | 540 | W | 660 | 410 |
| No. 1 busheling | 330 | W | 340 | 220 |
| Steel cans (Post consumer) | 14 | 3 | 19 | 73 |
| All other carbon steel scrap | 160 | 210 | 340 | 360 |
| Stainless steel scrap | 50 | 29 | 80 | 47 |
| Alloy steel scrap | 21 | 49 | 62 | 140 |
| Ingot mold and stool scrap | W | W | 6 | 17 |
| Machinery and cupola cast iron | W | W | W | 4 |
| Cast iron borings | 21 | W | 22 | W |
| Motor blocks | W | -- | W | W |
| Other iron scrap | 24 | 25 | 55 | W |
| Other mixed scrap | 68 | 37 | 96 | 610 |
| Total | 3,000 | 1,000 | 4,200 | 4,300 |

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/ 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 | January 1999 | | |
|---|--|--|--|
| | 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 3/ |
| Mid-Atlantic and New England: | | | |
| New Jersey, New York | 110 | 4 | 120 |
| Pennsylvania | 320 | 170 | 540 |
| Total | 440 | 180 | 670 |
| North Central: | | | |
| Illinois | 210 | 61 | 300 |
| Indiana | 250 | 310 | 570 |
| Iowa, Minnesota, Missouri, Nebraska, Wisconsin | 210 | 17 | 210 |
| Michigan | W | 53 | 200 |
| Ohio | W | 170 | 600 |
| Total | 1,300 | 610 | 1,900 |
| South Atlantic: | | | |
| Delaware, Maryland, Virginia, West Virginia | 110 | 66 | 180 |
| Florida, Georgia, North Carolina, South Carolina | 120 | 12 | 130 |
| Total | 230 | 78 | 310 |
| South Central: | | | |
| Alabama, Kentucky, Mississippi, Tennessee | 260 | 51 | 310 |
| Arkansas, Louisiana, Oklahoma, Texas | 510 | 52 | 680 |
| Total | 770 | 100 | 990 |
| Mountain and Pacific: | | | |
| Arizona, California, Colorado, Oregon, Utah, Washington | 300 | 44 | 340 |
| Grand total | 3,000 | 1,000 | 4,200 |

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/ Includes recirculating scrap and home-generated obsolete scrap.

TABLE 4
RECEIPTS OF IRON AND STEEL SCRAP, 1/ BY REGION 2/ AND GRADE, FOR STEEL PRODUCERS 3/ 4/

(Thousand metric tons)

| Item | January 1999 | | | | |
|--|------------------------------------|------------------|-------------------|------------------|----------------------------|
| | Mid-Atlantic and New England | North Central | South Atlantic | South Central | Mountain and Pacific |
| Carbon steel: | | | | | |
| Low-phosphorus plate and punchings | 11 | 10 | W | W | -- |
| Cut structural and plate | 41 | 110 | 38 | 38 | 26 |
| No. 1 heavy melting steel | 48 | 120 | 25 | 160 | 33 |
| No. 2 heavy melting steel | 27 | 130 | 32 | 130 | 57 |
| No. 1 and electric furnace bundles | 28 | 370 | 23 | 30 | 10 |
| No. 2 and all other bundles | 9 | 22 | 1 | 21 | 10 |
| Electric furnace 1 foot and under (not bundles) | -- | -- | -- | -- | -- |
| Railroad rails | W | W | -- | 3 | W |
| Turnings and borings | 25 | 24 | 23 | 54 | 6 |
| Slag scrap | 11 | 20 | 11 | 12 | W |
| Shredded and fragmentized | 72 | 150 | 48 | 190 | 83 |
| No. 1 busheling | 68 | 150 | 18 | 75 | 11 |
| Steel cans (Post consumer) | 6 | 5 | W | 3 | W |
| All other carbon steel scrap | 23 | 90 | 7 | 31 | 6 |
| Stainless steel scrap | 41 | 9 | -- | -- | -- |
| Alloy steel scrap | 6 | W | -- | W | -- |
| Ingot mold and stool scrap | (5/) | W | -- | -- | -- |
| Machinery and cupola cast iron | -- | W | -- | W | -- |
| Cast iron borings | W | W | W | 9 | -- |
| Motor blocks | (5/) | -- | W | -- | -- |
| Other iron scrap | W | W | W | W | W |
| Other mixed scrap | 11 | 2 | W | W | W |
| Total | 440 | 1,300 | 230 | 770 | 300 |

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/ Less than 1/2 unit.

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

(Thousand metric tons)

| Item | January 1999 | | | | |
|---|------------------------------------|------------------|-------------------|------------------|----------------------------|
| | Mid-Atlantic and New England | North Central | South Atlantic | South Central | Mountain and Pacific |
| Carbon steel: | | | | | |
| Low-phosphorus plate and punchings | 12 | 9 | W | W | -- |
| Cut structural and plate | 56 | 110 | 65 | 50 | 25 |
| No. 1 heavy melting steel | 90 | 320 | 45 | 220 | 71 |
| No. 2 heavy melting steel | 38 | 140 | 30 | 160 | 57 |
| No. 1 and electric furnace bundles | 35 | 470 | W | 47 | 9 |
| No. 2 and all other bundles | 9 | 28 | 1 | 23 | 9 |
| Electric furnace 1 foot and under (not bundles) | -- | 7 | -- | W | -- |
| Railroad rails | W | W | -- | 4 | W |
| Turnings and borings | 36 | 34 | 23 | 57 | 8 |
| Slag scrap | 18 | 94 | 15 | 28 | W |
| Shredded and fragmented | 100 | 180 | 61 | 230 | 92 |
| No. 1 busheling | 80 | 150 | 16 | 84 | 12 |
| Steel cans (Post consumer) | 9 | W | W | 2 | W |
| All other carbon steel scrap | 52 | 210 | 18 | 48 | 8 |
| Stainless steel scrap | 69 | 11 | -- | -- | -- |
| Alloy steel scrap | 17 | 42 | -- | W | -- |
| Ingot mold and stool scrap | W | 1 | -- | 1 | -- |
| Machinery and cupola cast iron | -- | W | -- | W | -- |
| Cast iron borings | W | W | W | 8 | -- |
| Motor blocks | (4/) | -- | W | -- | -- |
| Other iron scrap | 18 | 30 | W | W | W |
| Other mixed scrap | 15 | 24 | W | 10 | W |
| Total | 670 | 1,900 | 310 | 990 | 340 |

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/ 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 | December 1998 | | Year to date p/ 3/ | |
|----------------------------------|---------------|--------|--------------------|---------|
| | Quantity | Value | Quantity | Value |
| North America and South America: | | | | |
| Canada | 103 | 9,450 | 1,470 | 165,000 |
| Mexico | 32 | 4,130 | 961 | 123,000 |
| Venezuela | 1 | 91 | 132 | 14,300 |
| Other | 3 | 285 | 31 | 4,650 |
| Total | 139 | 14,000 | 2,600 | 307,000 |
| Africa, Europe, and Middle East: | | | | |
| Belgium | 1 | 52 | 5 | 1,890 |
| Italy | 1 | 271 | 26 | 13,400 |
| South Africa | 1 | 910 | 12 | 10,500 |
| Spain | 14 | 6,500 | 75 | 44,100 |
| Turkey | 110 | 9,710 | 452 | 50,300 |
| Other | 2 | 703 | 69 | 18,800 |
| Total | 128 | 18,100 | 639 | 139,000 |
| Asia, Australia, and Oceania: | | | | |
| Australia | -- | -- | (4/) | 549 |
| China | 26 | 6,080 | 216 | 57,500 |
| Hong Kong | 6 | 1,040 | 62 | 13,900 |
| India | 1 | 187 | 19 | 5,390 |
| Japan | 9 | 3,710 | 26 | 12,900 |
| Korea, Republic of | 157 | 17,000 | 1,420 | 183,000 |
| Malaysia | (4/) | 32 | 138 | 15,300 |
| Pakistan | (4/) | 94 | 2 | 952 |
| Taiwan | 10 | 5,120 | 270 | 44,600 |
| Thailand | 32 | 3,210 | 109 | 13,200 |
| Other | 2 | 815 | 66 | 12,400 |
| Total | 242 | 37,300 | 2,330 | 360,000 |
| Grand total | 509 | 69,400 | 5,570 | 805,000 |

p/ Preliminary.

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/ May include revisions to previous months' data.

4/ 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 | December 1998 | | Year to date p/ 4/ | |
|---|---------------|--------|--------------------|---------|
| | Quantity | Value | Quantity | Value |
| Canadian-U.S. Border: | | | | |
| Buffalo, NY | 4 | 1,200 | 133 | 29,100 |
| Detroit, MI | 18 | 2,010 | 301 | 37,500 |
| Duluth, MN | (5/) | 33 | 11 | 1,100 |
| Pembina, ND | 16 | 997 | 271 | 26,400 |
| Other 6/ | 33 | 2,800 | 677 | 63,000 |
| Total | 72 | 7,030 | 1,390 | 157,000 |
| East Coast: | | | | |
| Boston, MA | 24 | 1,940 | 452 | 46,800 |
| Miami, FL | 2 | 307 | 14 | 2,520 |
| New York, NY | 85 | 11,500 | 635 | 108,000 |
| Norfolk, VA | 31 | 3,210 | 190 | 21,500 |
| Philadelphia, PA | 14 | 1,240 | 98 | 10,800 |
| Portland, ME | (5/) | 52 | 16 | 1,810 |
| Other | 34 | 2,790 | 100 | 15,300 |
| Total | 190 | 21,100 | 1,510 | 207,000 |
| Gulf Coast & Mexican-U.S. | | | | |
| Border (includes Caribbean territories): | | | | |
| Houston-Galveston, TX | 13 | 4,610 | 71 | 30,600 |
| Laredo, TX | 13 | 2,340 | 345 | 46,300 |
| New Orleans, LA | 18 | 7,870 | 64 | 38,300 |
| Tampa, FL | 18 | 1,070 | 21 | 1,510 |
| Other | (5/) | 1,560 | 34 | 6,360 |
| Total | 62 | 17,500 | 535 | 123,000 |
| West Coast: | | | | |
| Columbia-Snake | 3 | 707 | 46 | 8,290 |
| Honolulu, HI | 44 | 3,750 | 133 | 14,400 |
| Los Angeles, CA | 73 | 9,890 | 772 | 118,000 |
| San Diego, CA | 19 | 1,780 | 231 | 33,600 |
| San Francisco, CA | 39 | 6,120 | 718 | 101,000 |
| Seattle, WA | 6 | 1,610 | 232 | 42,000 |
| Total | 186 | 23,900 | 2,130 | 318,000 |
| Grand total | 509 | 69,400 | 5,570 | 805,000 |

p/ Preliminary.

1/ Re-export activity for December 1998 amounted to 411 metric tons valued at \$63,800; year to date amounted to 7,380 metric tons valued at \$1,500,000.

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/ May include revisions to previous months' data.

5/ Less than 1/2 unit.

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

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 | December 1998 | | Year to date p/ 3/ | |
|---|---------------|--------|--------------------|---------|
| | Quantity | Value | Quantity | Value |
| No. 1 heavy melting steel | 75 | 5,800 | 1,130 | 117,000 |
| No. 2 heavy melting steel | 20 | 1,530 | 222 | 26,100 |
| No. 1 bundles | 1 | 81 | 20 | 2,350 |
| No. 2 bundles | 2 | 129 | 31 | 2,970 |
| Shredded steel scrap | 176 | 15,100 | 1,370 | 152,000 |
| Borings, shoveling and turnings | 17 | 952 | 233 | 17,100 |
| Cut plate and structural | 6 | 588 | 131 | 15,700 |
| Tinned iron or steel | 12 | 1,910 | 109 | 19,800 |
| Remelting scrap ingots | (4/) | 8 | 9 | 1,870 |
| Cast iron | 60 | 6,810 | 580 | 67,900 |
| Other iron and steel | 62 | 8,220 | 690 | 91,000 |
| Total carbon steel and cast iron | 431 | 41,200 | 4,530 | 514,000 |
| Stainless steel | 45 | 22,200 | 298 | 176,000 |
| Other alloy steel | 34 | 6,080 | 737 | 116,000 |
| Total stainless and alloy steel | 78 | 28,200 | 1,030 | 291,000 |
| Total carbon, stainless, alloy steel and cast iron | 509 | 69,400 | 5,570 | 805,000 |
| Ships, boats, and other vessels for breaking up (for scrapping) | -- | -- | 3 | 925 |
| Used rails for rerolling and other uses | 4 | 1,540 | 39 | 14,200 |
| Total scrap exports | 513 | 71,000 | 5,610 | 820,000 |
| Exports of manufactured ferrous products: | | | | |
| Pig iron < or = 0.5% phosphorus | 4 | 683 | 70 | 10,000 |
| Pig iron > 0.5% phosphorus | (4/) | 12 | 12 | 1,080 |
| Alloy pig iron | (4/) | 15 | 5 | 557 |
| Total pig iron | 4 | 710 | 87 | 11,700 |
| Direct-reduced iron (DRI) | -- | -- | 5 | 488 |
| Spongy iron products, not DRI | 1 | 273 | 14 | 4,770 |
| Granules for abrasive cleaning and other uses | 2 | 1,230 | 26 | 15,700 |
| Powders of alloy steel | (4/) | 2,490 | 8 | 28,300 |
| Other ferrous powders | 1 | 3,100 | 24 | 66,700 |
| Total DRI, granules and powders | 4 | 7,090 | 76 | 116,000 |
| Grand total | 521 | 78,800 | 5,770 | 948,000 |

p/ Preliminary.

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/ May include revisions to previous months' data.

4/ 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 | December 1998 | | Year to date p/ 3/ | |
|----------------|---------------|--------|--------------------|---------|
| | Quantity | Value | Quantity | Value |
| Canada | 99 | 8,800 | 2,080 | 258,000 |
| Haiti | 3 | 237 | 18 | 1,840 |
| Mexico | 3 | 1,510 | 75 | 27,600 |
| Russia | 6 | 47 | 41 | 3,850 |
| United Kingdom | 31 | 2,720 | 371 | 52,200 |
| Other | 1 | 303 | 480 | 58,800 |
| Total | 142 | 13,600 | 3,060 | 402,000 |

p/ Preliminary.

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.

3/ May include revisions to previous months' data.

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 | December 1998 | | Year to date p/ 3/ | |
|------------------|---------------|--------|--------------------|---------|
| | Quantity | Value | Quantity | Value |
| Buffalo, NY | 16 | 1,660 | 334 | 49,500 |
| Detroit, MI | 62 | 5,430 | 1,210 | 150,000 |
| El Paso, TX | (4/) | 78 | 24 | 4,910 |
| Laredo, TX | 3 | 1,060 | 40 | 14,700 |
| Los Angeles | 5 | 10 | 6 | 625 |
| New Orleans, LA | 34 | 2,940 | 780 | 99,200 |
| Ogdensburg, NY | 1 | 153 | 24 | 4,710 |
| Pembina, ND | 2 | 240 | 28 | 4,260 |
| San Diego, CA | 1 | 460 | 13 | 7,360 |
| Seattle, WA | 18 | 1,260 | 347 | 33,300 |
| Other | (4/) | 325 | 257 | 33,500 |
| Total | 142 | 13,600 | 3,060 | 402,000 |

p/ Preliminary.

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.

3/ May include revisions to previous months' data.

4/ Less than 1/2 unit.

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 | December 1998 | | Year to date p/ 3/ | |
|---|---------------|--------|--------------------|-----------|
| | Quantity | Value | Quantity | Value |
| No. 1 heavy melting steel | (4/) | 36 | 157 | 20,000 |
| No. 2 heavy melting steel | 1 | 75 | 30 | 2,360 |
| No. 1 bundles | 18 | 1,560 | 311 | 34,600 |
| No. 2 bundles | -- | -- | 5 | 603 |
| Shredded steel scrap | 29 | 2,490 | 535 | 65,900 |
| Borings, shovelings and turnings | 11 | 896 | 163 | 19,100 |
| Cut plate and structural | 1 | 78 | 40 | 5,100 |
| Tinned iron or steel | 7 | 618 | 72 | 6,380 |
| Remelting scrap ingots | -- | -- | 15 | 3,650 |
| Cast iron | 8 | 752 | 180 | 21,400 |
| Other iron and steel | 54 | 4,820 | 1,210 | 158,000 |
| Total carbon steel and cast iron | 130 | 11,300 | 2,720 | 337,000 |
| Stainless steel | 2 | 973 | 57 | 21,600 |
| Other alloy steel | 11 | 1,320 | 284 | 43,200 |
| Total stainless and alloy steel | 13 | 2,290 | 341 | 64,700 |
| Total carbon, stainless, alloy steel and cast iron | 142 | 13,600 | 3,060 | 402,000 |
| Ships, boats, and other vessels for breaking up (for scrapping) | -- | -- | -- | -- |
| Used rails for rerolling and other uses | 22 | 2,980 | 308 | 45,900 |
| Total scrap imports | 164 | 16,600 | 3,370 | 448,000 |
| Imports of manufactured ferrous products: | | | | |
| Pig iron < or = 0.5% phosphorus | 284 | 32,600 | 4,580 | 646,000 |
| Pig iron > 0.5% phosphorus | -- | -- | 309 | 39,800 |
| Alloy pig iron | 1 | 2,630 | 258 | 35,200 |
| Total pig iron | 284 | 35,200 | 5,140 | 721,000 |
| Direct-reduced iron (DRI) | 4 | 520 | 939 | 118,000 |
| Spongy iron products, not DRI | (4/) | 50 | 101 | 15,600 |
| Granules for abrasive cleaning and other uses | 2 | 939 | 26 | 14,000 |
| Powders of alloy steel | 2 | 3,590 | 27 | 38,200 |
| Other ferrous powders | 7 | 7,860 | 101 | 84,500 |
| Total DRI, granules and powders | 15 | 13,000 | 1,190 | 270,000 |
| Grand total | 464 | 64,800 | 9,710 | 1,440,000 |

p/ Preliminary.

1/ Import valuation is on a customs basis.

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

3/ May include revisions to previous months' data.

4/ 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: | | | | | | |
| January | 8,630 | 8,630 | 90.0% | 90.0% | 94.9% | 94.9% |
| February | 8,240 | 16,800 | 95.2% | 92.3% | 95.2% | 95.1% |
| March | 8,930 | 25,800 | 93.1% | 92.5% | 95.4% | 95.2% |
| April | 8,640 | 34,800 | 92.5% | 93.6% | 95.2% | 95.2% |
| May | 8,600 | 43,500 | 89.1% | 92.9% | 95.0% | 95.2% |
| June | 8,040 | 51,600 | 86.1% | 91.8% | 95.3% | 95.2% |
| July | 8,010 | 59,600 | 83.0% | 90.6% | 95.7% | 95.3% |
| August | 8,340 | 68,000 | 86.4% | 90.4% | 95.3% | 95.3% |
| September | 7,750 | 75,600 | 83.0% | 89.2% | 95.3% | 95.2% |
| 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% |

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 | |
|-----------|------------------------------------|--------|-----------------------|--------|----------------------|--------|
| | \$/t | \$/t | \$/t | \$/t | \$/t | \$/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 |

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