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# Mineral Industry Surveys

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## IRON AND STEEL SCRAP IN APRIL 1999

On a daily basis in April 1999, estimated consumption of iron and steel scrap remained unchanged compared with that of March 1999, according to the U.S. Geological Survey. Compared with March 1999 data, daily average production fell slightly, net receipts decreased by 5%, and stocks at the end of the month were down slightly. These observations are based upon responses from 70% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent 58% of the total scrap consumption in those sectors, and estimates for non-respondents of this survey.

On a daily average basis, pig iron production increased by 8% and consumption was up by 4% from that of March 1999. Stocks of pig iron at month's end increased by 3% compared with those at the end of March 1999.

Exports for the month of March 1999 fell by 7% compared with those of February 1999. Canada was the leading country of destination, accounting for 43% of the total exports in March 1999, followed by the Republic of Korea with 24% and Mexico with 17%.

Table 7 shows that San Francisco, CA, was the leading U.S. Customs district for tonnage of exports in March 1999, accounting for 12% of the total exports, followed by Pembina, ND, also with 12% and Seattle, WA, with 9%.

Table 10 shows that New Orleans, LA, was the leading Customs district for tonnage of imports in March 1999, accounting for 46% of the total imports, followed by Detroit, MI, with 31% and Seattle, WA, with 11%.

According to the American Iron and Steel Institute (AISI), domestic raw steel production in April 1999 amounted to 7,840,000 metric tons, down by 2% from 8,030,000 tons in March 1999 and down by 9% from 8,640,000 tons in April 1998. Year-to-date production through April 1999 was 30,800,000 tons, down by 12% compared with 34,800,000 tons for the same period 1 year ago. The electric furnace portion of raw steel production for April 1999 was 46%, or about the same as that in March 1999 and that in April 1998.

Raw steel capability utilization (AISI data) in April 1999 was 82%, up slightly from that in March 1999 and down by 11% from that in April 1998. Continuous cast steel production in the United States accounted for 95% of total raw steel production in April 1999, or about the same as that in both March 1999 and that in April 1998. Through March, continuous cast steel production represented 95% of total steel production in 1999 as well as in 1998.

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

(Thousand metric tons)

| | April 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 | 570 | 2,500 | 3,100 | 2,500 | 9,900 | 12,000 |
| Receipts from other own company plants | W | W | 180 | W | W | 690 |
| Production recirculating scrap | 660 | 420 | 1,100 | 2,700 | 1,600 | 4,300 |
| Production obsolete scrap | 11 | 2 | 13 | 42 | 8 | 50 |
| Consumption (by type of furnace): | | | | | | |
| Blast furnace | (6/) | -- | (6/) | (6/) | -- | (6/) |
| Basic oxygen process | W | W | 1,200 | W | W | 5,100 |
| Electric furnace | W | W | 3,100 | W | W | 12,000 |
| Other (including air furnace) 7/ | (6/) | -- | (6/) | (6/) | -- | (6/) |
| Total consumption | 1,300 | 3,000 | 4,300 | 5,100 | 12,000 | 17,000 |
| Shipments | 140 | 10 | 150 | 530 | 23 | 550 |
| Stocks end of month | 2,200 | 2,300 | 4,500 | 8,700 | 9,200 | 18,000 |
| Pig iron (includes hot metal): | | | | | | |
| Receipts | 370 | 150 | 520 | 1,700 | 530 | 2,300 |
| Production | 3,500 | -- | 3,500 | 14,000 | -- | 14,000 |
| Consumption (by type of furnace): | | | | | | |
| Basic oxygen process | W | W | 3,700 | W | W | 15,000 |
| Direct castings 8/ | (6/) | -- | (6/) | (6/) | -- | (6/) |
| Electric furnace | W | W | 120 | W | W | 480 |
| Total consumption | 3,700 | 120 | 3,800 | 15,000 | 500 | 15,000 |
| Shipments | (11/) | -- | (11/) | (11/) | (11/) | (11/) |
| Stocks end of month | W | W | 400 | XX | XX | XX |
| Direct-reduced iron: 9/ | | | | | | |
| Receipts | W | W | 82 | W | W | 290 |
| Consumption (by type of furnace): | | | | | | |
| Blast furnace | 39 | -- | 39 | 150 | | 150 |
| Basic oxygen process | (10/) | -- | (10/) | (10/) | (10/) | (10/) |
| Electric furnace | -- | (11/) | (11/) | -- | (11/) | (11/) |
| Total consumption | 39 | -- | 39 | 150 | | 150 |
| Shipments | -- | W | W | -- | W | W |
| Stocks end of month | W | W | 190 | 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. April 1999 data are based on returns from 70% of monthly respondents, representing 58% of scrap consumption during this month, and estimates for nonrespondents of this survey. Year-to-date data are based on returns from 72% of respondents, representing 59% 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/ 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."

11/ Withheld to avoid disclosing company proprietary data.

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 | April 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 | 20 | -- | 21 | 20 | 120 | W | 110 |
| Cut structural and plate | 290 | 56 | 340 | 240 | 1,100 | 220 | 1,300 |
| No. 1 heavy melting steel | 410 | 300 | 760 | 640 | 1,600 | 1,200 | 3,000 |
| No. 2 heavy melting steel | 360 | 38 | 420 | 460 | 1,500 | 170 | 1,600 |
| No. 1 and electric furnace bundles | 440 | W | 530 | 400 | 1,800 | W | 2,200 |
| No. 2 and all other bundles | 64 | W | 73 | 79 | 270 | W | 290 |
| Electric furnace 1 foot and under (not bundles) | -- | 8 | W | (5/) | -- | 39 | W |
| Railroad rails | 12 | W | 14 | 13 | 58 | W | 67 |
| Turnings and borings | 160 | 5 | 180 | 110 | 620 | 17 | 660 |
| Slag scrap | 50 | 120 | 160 | 190 | 190 | 450 | 650 |
| Shredded and fragmentized | 550 | W | 660 | 450 | 2,200 | W | 2,600 |
| No. 1 busheling | 350 | W | 360 | 240 | 1,400 | W | 1,400 |
| Steel cans (Post consumer) | 25 | 4 | 32 | 73 | 87 | 16 | 110 |
| All other carbon steel scrap | 160 | 230 | 390 | 410 | 750 | 880 | 1,500 |
| Stainless steel scrap | 44 | 32 | 84 | 42 | 200 | 130 | 330 |
| Alloy steel scrap | 29 | 47 | 69 | 130 | 92 | 180 | 260 |
| Ingot mold and stool scrap | W | 13 | 8 | 20 | W | 47 | 23 |
| Machinery and cupola cast iron | W | W | W | W | W | W | W |
| Cast iron borings | 19 | W | 21 | 15 | 89 | W | 87 |
| Motor blocks | W | -- | W | W | W | -- | W |
| Other iron scrap | 22 | 42 | 65 | W | 100 | 150 | 260 |
| Other mixed scrap | 72 | 30 | 110 | 610 | 290 | 130 | 410 |
| Total | 3,100 | 1,100 | 4,300 | 4,500 | 12,000 | 4,300 | 17,000 |

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.

5/ Less than 1/2 unit.

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 | April 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, New York | W | W | W | 440 | 16 | 470 |
| Pennsylvania | W | W | W | 1,200 | 740 | 2,100 |
| Total | 380 | 200 | 630 | 1,600 | 760 | 2,500 |
| North Central: | | | | | | |
| Illinois | W | W | 320 | 1,000 | 320 | 1,300 |
| Indiana | W | W | 640 | 1,100 | 1,400 | 2,500 |
| Iowa, Minnesota, Missouri, Nebraska, Wisconsin | 200 | 19 | 210 | 830 | 69 | 840 |
| Michigan | 130 | 40 | 140 | 550 | 180 | 630 |
| Ohio | 380 | 160 | 590 | 1,800 | 640 | 2,400 |
| Total | 1,300 | 640 | 1,900 | 5,300 | 2,600 | 7,700 |
| South Atlantic: | | | | | | |
| Delaware, Maryland, Virginia, West Virginia | 130 | 67 | 190 | 450 | 270 | 710 |
| Florida, Georgia, North Carolina, South Carolina | 150 | 13 | 160 | 540 | 49 | 570 |
| Total | 270 | 80 | 350 | 1,000 | 320 | 1,300 |
| South Central: | | | | | | |
| Alabama, Kentucky, Mississippi, Tennessee | 280 | 59 | 340 | 1,100 | 220 | 1,300 |
| Arkansas, Louisiana, Oklahoma, Texas | 580 | 56 | 690 | 2,200 | 210 | 2,700 |
| Total | 850 | 110 | 1,000 | 3,300 | 430 | 4,000 |
| Mountain and Pacific: | | | | | | |
| Arizona, California, Colorado, Oregon, Utah, Washington | 310 | 46 | 370 | 1,200 | 180 | 1,400 |
| Grand total | 3,100 | 1,100 | 4,300 | 12,000 | 4,300 | 17,000 |

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 | April 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 | 11 | 2 | W | W | -- | 48 | 43 | W | W | -- |
| Cut structural and plate | 42 | 120 | 47 | 48 | 32 | 170 | 480 | 160 | 170 | 120 |
| No. 1 heavy melting steel | 46 | 130 | 31 | 170 | 30 | 180 | 570 | 110 | 650 | 130 |
| No. 2 heavy melting steel | 10 | 110 | 39 | 140 | 61 | 41 | 510 | 140 | 570 | 240 |
| No. 1 and electric furnace bundles | 33 | 320 | 25 | 51 | 10 | 140 | 1,300 | 94 | 170 | 39 |
| No. 2 and all other bundles | 9 | 21 | W | 22 | 9 | 34 | 100 | W | 90 | 38 |
| Electric furnace 1 foot and under (not bundles) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Railroad rails | W | W | -- | 3 | W | W | W | -- | 14 | W |
| Turnings and borings | 24 | 34 | 31 | 63 | 6 | 120 | 120 | 100 | 250 | 24 |
| Slag scrap | 15 | 15 | 11 | 8 | W | 52 | 53 | 45 | 32 | W |
| Shredded and fragmentized | 35 | 170 | 53 | 200 | 86 | 170 | 660 | 200 | 800 | 330 |
| No. 1 busheling | 63 | 160 | 23 | 89 | 13 | 270 | 630 | 84 | 350 | 46 |
| Steel cans (Post consumer) | 9 | 10 | W | 6 | W | 36 | 31 | W | 18 | W |
| All other carbon steel scrap | 21 | 94 | 6 | 34 | 7 | 100 | 480 | 25 | 110 | 27 |
| Stainless steel scrap | 36 | 9 | -- | -- | -- | 160 | 35 | -- | -- | -- |
| Alloy steel scrap | 8 | W | -- | W | -- | 27 | W | -- | W | -- |
| Ingot mold and stool scrap | (6/) | W | -- | -- | -- | (6/) | W | -- | -- | -- |
| Machinery and cupola cast iron | W | W | -- | W | -- | -- | W | -- | W | -- |
| Cast iron borings | W | W | W | 10 | -- | W | W | W | 38 | -- |
| Motor blocks | (6/) | -- | W | -- | -- | (6/) | -- | W | -- | -- |
| Other iron scrap | W | W | -- | W | -- | W | W | W | W | W |
| Other mixed scrap | 9 | W | W | W | W | 42 | 12 | W | W | 200 |
| Total | 380 | 1,300 | 270 | 850 | 310 | 1,600 | 5,300 | 1,000 | 3,300 | 1,200 |

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 | April 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 | 12 | 2 | W | W | -- | 50 | 32 | W | W | -- |
| Cut structural and plate | 57 | 120 | 73 | 55 | 36 | 230 | 470 | 250 | 200 | 120 |
| No. 1 heavy melting steel | 91 | 340 | 54 | 200 | 69 | 360 | 1,400 | 200 | 840 | 270 |
| No. 2 heavy melting steel | 19 | 130 | 38 | 160 | 60 | 71 | 550 | 130 | 640 | 240 |
| No. 1 and electric furnace bundles | 40 | 390 | 30 | 55 | 11 | 160 | 1,700 | W | 190 | 40 |
| No. 2 and all other bundles | 9 | 28 | W | 25 | 9 | 35 | 110 | W | 98 | 38 |
| Electric furnace 1 foot and under (not bundles) | -- | -- | -- | W | -- | -- | 7 | -- | W | -- |
| Railroad rails | W | W | -- | 3 | W | W | W | -- | 16 | 18 |
| Turnings and borings | 35 | 41 | 28 | 65 | 8 | 140 | 150 | 100 | 240 | 30 |
| Slag scrap | 22 | 100 | 16 | 26 | W | 83 | 400 | 63 | 110 | W |
| Shredded and fragmentized | 71 | 190 | 63 | 240 | 92 | 300 | 760 | 250 | 940 | 360 |
| No. 1 busheling | 71 | 160 | 21 | 100 | 12 | 300 | 620 | 79 | 360 | 48 |
| Steel cans (Post consumer) | 13 | 13 | W | 6 | W | 53 | 39 | W | 17 | W |
| All other carbon steel scrap | 58 | 250 | 18 | 54 | 12 | 220 | 960 | 70 | 200 | 45 |
| Stainless steel scrap | 73 | 11 | -- | -- | -- | 290 | 43 | -- | -- | -- |
| Alloy steel scrap | 18 | 49 | -- | W | -- | 68 | 190 | -- | W | -- |
| Ingot mold and stool scrap | W | 2 | -- | 2 | W | W | 5 | -- | W | W |
| Machinery and cupola cast iron | W | W | -- | W | -- | W | W | -- | W | -- |
| Cast iron borings | W | W | W | 8 | -- | W | W | W | 34 | -- |
| Motor blocks | (5/) | -- | W | -- | -- | (5/) | -- | W | -- | -- |
| Other iron scrap | 21 | 38 | W | 5 | W | 81 | 160 | W | W | W |
| Other mixed scrap | 14 | 18 | W | 13 | W | 60 | 86 | W | 50 | 200 |
| Total | 630 | 1,900 | 350 | 1,000 | 370 | 2,500 | 7,700 | 1,300 | 4,000 | 1,400 |

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 | March 1999 | | Year to date | |
|---|---|---|---|---|
| | Quantity | Value | Quantity | Value |
| North America and South America: | | | | |
| Canada | 169 | 17,500 | 359 | 37,800 |
| Mexico | 69 | 6,580 | 145 | 15,400 |
| Venezuela | -- | -- | (3/) | 19 |
| Other | 2 | 338 | 4 | 952 |
| Total | 240 | 24,500 | 509 | 54,200 |
| Africa, Europe, and Middle East: | | | | |
| Belgium | (3/) | 13 | (3/) | 77 |
| Italy | 1 | 319 | 1 | 602 |
| South Africa | 1 | 774 | 3 | 1,970 |
| Spain | 9 | 3,790 | 12 | 5,070 |
| Other | 5 | 1,380 | 9 | 2,910 |
| Total | 15 | 6,270 | 26 | 10,600 |
| Asia, Australia, and Oceania: | | | | |
| Australia | (3/) | 11 | (3/) | 23 |
| China | 27 | 7,090 | 65 | 17,700 |
| Hong Kong | 4 | 763 | 12 | 2,290 |
| India | 2 | 631 | 4 | 1,530 |
| Japan | 1 | 505 | 3 | 1,030 |
| Korea, Republic of | 96 | 13,500 | 446 | 46,400 |
| Malaysia | (3/) | 75 | (3/) | 75 |
| Pakistan | (3/) | 84 | 1 | 166 |
| Taiwan | 8 | 2,580 | 18 | 6,600 |
| Thailand | (3/) | 198 | 2 | 575 |
| Other | 2 | 1,020 | 5 | 2,090 |
| Total | 142 | 26,500 | 556 | 78,500 |
| Grand total | 397 | 57,200 | 1,090 | 143,000 |

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 | March 1999 | | Year to date | |
|---|---|---|---|---|
| | Quantity | Value | Quantity | Value |
| Canadian-U.S. Border: | | | | |
| Buffalo, NY | 10 | 2,260 | 32 | 6,660 |
| Detroit, MI | 37 | 4,710 | 75 | 9,550 |
| Duluth, MN | 1 | 78 | 2 | 189 |
| Pembina, ND | 46 | 3,790 | 97 | 7,640 |
| Other 4/ | 46 | 4,000 | 120 | 10,700 |
| Total | 140 | 14,800 | 327 | 34,800 |
| East Coast: | | | | |
| Boston, MA | 29 | 2,550 | 54 | 4,630 |
| Miami, FL | 1 | 351 | 4 | 867 |
| New York, NY | 25 | 5,520 | 55 | 10,100 |
| Norfolk, VA | 15 | 1,750 | 39 | 4,490 |
| Portland, ME | 2 | 192 | 3 | 322 |
| Other | 30 | 3,380 | 38 | 5,300 |
| Total | 102 | 13,700 | 193 | 25,800 |
| Gulf Coast & Mexican-U.S. Border (includes Caribbean territories): | | | | |
| Houston-Galveston, TX | 2 | 4,070 | 2 | 4,430 |
| Laredo, TX | 23 | 2,350 | 43 | 5,040 |
| New Orleans, LA | (5/) | 84 | (5/) | 100 |
| Tampa, FL | 1 | 58 | 1 | 182 |
| Other | 5 | 1,830 | 8 | 3,190 |
| Total | 30 | 8,400 | 54 | 12,900 |
| West Coast: | | | | |
| Columbia-Snake | 1 | 546 | 4 | 1,230 |
| Honolulu, HI | (5/) | 43 | (5/) | 137 |
| Los Angeles, CA | 21 | 6,150 | 257 | 35,100 |
| San Diego, CA | 17 | 1,650 | 52 | 5,470 |
| San Francisco, CA | 49 | 7,240 | 155 | 20,000 |
| Seattle, WA | 37 | 4,640 | 49 | 7,940 |
| Total | 126 | 20,300 | 517 | 69,900 |
| Grand total | 397 | 57,200 | 1,090 | 143,000 |

1/ Re-export activity for March 1999 amounted to 395 metric tons valued at $145,000; year to date amounted to 532 metric tons valued at $184,000.

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 | March 1999 | | Year to date | |
|---|---|---|---|---|
| | Quantity | Value | Quantity | Value |
| No. 1 heavy melting steel | 33 | 3,000 | 140 | 12,100 |
| No. 2 heavy melting steel | 7 | 584 | 32 | 2,560 |
| No. 1 bundles | 4 | 422 | 5 | 511 |
| No. 2 bundles | 1 | 37 | 7 | 506 |
| Shredded steel scrap | 90 | 8,110 | 254 | 23,100 |
| Borings, shovelings and turnings | 18 | 999 | 55 | 3,240 |
| Cut plate and structural | 9 | 1,040 | 37 | 4,180 |
| Tinned iron or steel | 9 | 2,290 | 27 | 5,110 |
| Remelting scrap ingots | (3/) | 84 | 1 | 148 |
| Cast iron | 71 | 7,810 | 153 | 18,000 |
| Other iron and steel | 73 | 8,060 | 203 | 23,700 |
| Total carbon steel and cast iron | 315 | 32,400 | 913 | 93,100 |
| Stainless steel | 25 | 15,100 | 49 | 26,800 |
| Other alloy steel | 57 | 9,650 | 129 | 23,400 |
| Total stainless and alloy steel | 82 | 24,800 | 178 | 50,200 |
| Total carbon, stainless, alloy steel and cast iron | 397 | 57,200 | 1,090 | 143,000 |
| Ships, boats, and other vessels for breaking up (for scrapping) | -- | -- | (3/) | 10 |
| Used rails for rerolling and other uses | 2 | 932 | 8 | 3,080 |
| Total scrap exports | 399 | 58,200 | 1,100 | 146,000 |
| Exports of manufactured ferrous products: | | | | |
| Pig iron < or = 0.5% phosphorus | 6 | 882 | 16 | 2,440 |
| Pig iron > 0.5% phosphorus | (3/) | 38 | 1 | 50 |
| Alloy pig iron | 2 | 222 | 2 | 260 |
| Total pig iron | 8 | 1,140 | 18 | 2,750 |
| Direct-reduced iron (DRI) | 1 | 73 | 1 | 73 |
| Spongy iron products, not DRI | 1 | 414 | 3 | 807 |
| Granules for abrasive cleaning and other uses | 2 | 1,420 | 6 | 3,430 |
| Powders of alloy steel | (3/) | 1,990 | 1 | 4,410 |
| Other ferrous powders | 2 | 6,370 | 5 | 16,100 |
| Total DRI, granules and powders | 6 | 10,300 | 16 | 24,900 |
| Grand total | 413 | 69,600 | 1,130 | 174,000 |

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 | March 1999 | | Year to date | |
|---|---|---|---|---|
| | Quantity | Value | Quantity | Value |
| Canada | 124 | 12,300 | 348 | 34,000 |
| Japan | 8 | 657 | 8 | 964 |
| Netherlands | 33 | 3,320 | 64 | 5,960 |
| Sweden | 21 | 2,070 | 21 | 2,070 |
| United Kingdom | 61 | 6,360 | 181 | 18,300 |
| Other | 6 | 3,050 | 21 | 6,710 |
| Total | 253 | 27,700 | 643 | 68,000 |

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 | March 1999 | | Year to date | |
|---|---|---|---|---|
| | Quantity | Value | Quantity | Value |
| Buffalo, NY | 15 | 1,940 | 52 | 6,770 |
| Cleveland, OH | 8 | 669 | 8 | 669 |
| Detroit, MI | 79 | 7,280 | 223 | 20,100 |
| El Paso, TX | 1 | 179 | 1 | 489 |
| Laredo, TX | 2 | 1,100 | 6 | 2,910 |
| New Orleans, LA | 117 | 11,700 | 268 | 26,300 |
| Ogdensburg, NY | 1 | 218 | 4 | 504 |
| Pembina, ND | 2 | 854 | 9 | 2,080 |
| San Diego, CA | 1 | 792 | 2 | 1,490 |
| Seattle, WA | 27 | 1,940 | 61 | 4,430 |
| Other | 1 | 1,060 | 10 | 2,240 |
| Total | 253 | 27,700 | 643 | 68,000 |

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 | March 1999 | | Year to date | |
|---|---|---|---|---|
| | Quantity | Value | Quantity | Value |
| No. 1 heavy melting steel | 1 | 75 | 3 | 235 |
| No. 2 heavy melting steel | (3/) | 20 | 1 | 114 |
| No. 1 bundles | 25 | 2,210 | 75 | 6,740 |
| No. 2 bundles | -- | -- | (3/) | 27 |
| Shredded steel scrap | 110 | 11,000 | 233 | 22,500 |
| Borings, shovelings and turnings | 10 | 797 | 59 | 5,700 |
| Cut plate and structural | 2 | 208 | 5 | 505 |
| Tinned iron or steel | 16 | 1,290 | 24 | 2,070 |
| Remelting scrap ingots | (3/) | 9 | (3/) | 250 |
| Cast iron | 3 | 361 | 16 | 1,480 |
| Other iron and steel | 78 | 8,390 | 194 | 20,000 |
| Total carbon steel and cast iron | 245 | 24,400 | 610 | 59,700 |
| Stainless steel | 2 | 1,170 | 7 | 3,340 |
| Other alloy steel | 6 | 2,180 | 26 | 4,960 |
| Total stainless and alloy steel | 8 | 3,350 | 33 | 8,300 |
| Total carbon, stainless, alloy steel and cast iron | 253 | 27,700 | 643 | 68,000 |
| Ships, boats, and other vessels for breaking up (for scrapping) | -- | -- | -- | -- |
| Used rails for rerolling and other uses | 32 | 3,430 | 128 | 15,700 |
| Total scrap imports | 285 | 31,200 | 771 | 83,700 |
| Imports of manufactured ferrous products: | | | | |
| Pig iron < or = 0.5% phosphorus | 343 | 32,300 | 990 | 97,900 |
| Pig iron > 0.5% phosphorus | -- | -- | 24 | 2,970 |
| Alloy pig iron | 26 | 2,680 | 26 | 2,680 |
| Total pig iron | 369 | 35,000 | 1,040 | 104,000 |
| Direct-reduced iron (DRI) | 48 | 4,560 | 165 | 15,000 |
| Spongy iron products, not DRI | 22 | 2,110 | 46 | 5,210 |
| Granules for abrasive cleaning and other uses | 3 | 1,260 | 6 | 3,110 |
| Powders of alloy steel | 3 | 4,750 | 9 | 12,400 |
| Other ferrous powders | 7 | 7,610 | 22 | 23,900 |
| Total DRI, granules and powders | 83 | 20,300 | 249 | 59,600 |
| Grand total | 737 | 86,400 | 2,060 | 247,000 |

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: | | | | | | |
| 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% |
| 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% |

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: | | | | | | |
| 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 through December | 102.77 | 101.14 | 98.79 | 97.23 | 165.29 | 162.68 |
| 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 |
| Average | 86.87 | 85.50 | 83.93 | 82.61 | 137.43 | 135.25 |

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