

# Mineral Industry Surveys

---

For information, contact:

Michael Fenton, Iron and Steel Commodity Specialist  
U.S. Geological Survey  
989 National Center  
Reston, VA 20192  
Telephone: (703) 648-4972, Fax: (703) 648-7757  
E-mail: mfenton@usgs.gov

Mark Simpson (Data)  
Telephone: (703) 648-7963  
Fax: (703) 648-7975

MINES FaxBack: (703) 648-4999  
Internet: <http://minerals.usgs.gov/minerals>

## IRON AND STEEL SCRAP IN DECEMBER 2000

On a daily basis in December 2000, estimated consumption of iron and steel scrap was up 4% compared with that of November 2000, according to the U.S. Geological Survey. Compared with November 2000 data, daily average production was down 4%, net receipts were down 6%, and stocks at the end of the month were down 2%. These observations are based upon responses from 63% 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 nonrespondents of this survey.

On a daily average basis, pig iron production was down 8% and consumption was down 2% compared with that of November 2000. Stocks of pig iron at month's end increased 1% compared with those at the end of November 2000.

Exports of iron and steel scrap for the month of November 2000 increased 15% compared with those of October 2000. China was the leading country of destination, accounting for 29% of the total exports in November 2000, followed by Republic of Korea with 23% and Canada with 17%. Table 7 shows that Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports in

November 2000, accounting for 30% of the total exports, followed by San Francisco, CA, with 14%. These districts were followed by Laredo, TX, with 8% and Boston, MA, with 5%.

Table 10 shows that Detroit, MI, was the leading Customs district for tonnage of imports in November 2000, accounting for 33% of the total imports, followed by New Orleans, LA, with 16% and Seattle, WA, with 11%.

According to the American Iron and Steel Institute (AISI), domestic raw steel production for December 2000 amounted to 7,240,000 metric tons, down 1% from 7,310,000 tons for November 2000, and down 17% from 8,710,000 tons for December 1999. The electric furnace portion of raw steel production for December 2000 was 47%, down 2% compared with November 2000, and up 3% from that in December 1999.

Raw steel capability utilization (AISI data) in December 2000 was 72%, down 3% from November 2000, and down 17% from that in December 1999. Continuous cast steel production in the United States accounted for 97% of total raw steel production in December 2000, up 1% from both November 2000 and December 1999.

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

(Thousand metric tons)

|  | December 2000                 |                                     |                           | 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 |
| <b>Scrap:</b>                            |                               |                                     |                           |                               |                                     |                           |
| Receipts from dealers and other sources  | 960                           | 2,400                               | 3,400                     | 13,000                        | 32,000                              | 44,000                    |
| Receipts from other own company plants   | W                             | 120                                 | 140                       | W                             | W                                   | 2,300                     |
| Production recirculating scrap           | 670                           | 370                                 | 1,000                     | 8,800                         | 4,900                               | 14,000                    |
| Production obsolete scrap                | 17                            | 2                                   | 19                        | 150                           | 44                                  | 200                       |
| <b>Consumption (by type of furnace):</b> |                               |                                     |                           |                               |                                     |                           |
| Blast furnace                            | (6/)                          | --                                  | (6/)                      | (6/)                          | --                                  | (6/)                      |
| Basic oxygen process                     | W                             | W                                   | 1,200                     | W                             | W                                   | 17,000                    |
| Electric furnace                         | W                             | W                                   | 360                       | W                             | W                                   | 42,000                    |
| Other (including air furnace) 7/         | (6/)                          | --                                  | (6/)                      | (6/)                          | --                                  | (6/)                      |
| Total consumption                        | 1,600                         | 2,900                               | 4,500                     | 21,000                        | 38,000                              | 59,000                    |
| Shipments                                | 110                           | 4                                   | 120                       | 1,900                         | 80                                  | 2,000                     |
| Stocks end of month                      | 2,500                         | 2,300                               | 4,800                     | 30,000                        | 29,000                              | 58,000                    |
| <b>Pig iron (includes hot metal):</b>    |                               |                                     |                           |                               |                                     |                           |
| Receipts                                 | 930                           | 170                                 | 1,100                     | 8,300                         | 1,600                               | 9,900                     |
| Production                               | 2,800                         | --                                  | 2,800                     | 42,000                        | (8/)                                | 42,000                    |
| <b>Consumption (by type of furnace):</b> |                               |                                     |                           |                               |                                     |                           |
| Basic oxygen process                     | W                             | W                                   | 3,500                     | W                             | W                                   | 50,000                    |
| Direct castings 9/                       | (6/)                          | --                                  | (6/)                      | (6/)                          | --                                  | (6/)                      |
| Electric furnace                         | W                             | W                                   | (6/)                      | W                             | W                                   | (6/)                      |
| Total consumption                        | 3,500                         | 88                                  | 3,600                     | 48,000                        | 1,200                               | 49,000                    |
| Shipments                                | (10/)                         | (10/)                               | (10/)                     | (10/)                         | (10/)                               | (10/)                     |
| Stocks end of month                      | W                             | W                                   | 640                       | XX                            | XX                                  | XX                        |
| <b>Direct-reduced iron: 11/</b>          |                               |                                     |                           |                               |                                     |                           |
| Receipts                                 | 150                           | 87                                  | 240                       | 1,400                         | 890                                 | 2,300                     |
| <b>Consumption (by type of furnace):</b> |                               |                                     |                           |                               |                                     |                           |
| Blast furnace                            | W                             | W                                   | W                         | W                             | --                                  | W                         |
| Basic oxygen process                     | (12/)                         | --                                  | (12/)                     | (12/)                         | (12/)                               | (12/)                     |
| Electric furnace                         | (10/)                         | (10/)                               | (10/)                     | (10/)                         | (10/)                               | (10/)                     |
| Total consumption                        | 88                            | 70                                  | 160                       | 1,400                         | 900                                 | 2,300                     |
| Shipments                                | --                            | --                                  | --                        | --                            | --                                  | --                        |
| Stocks end of month                      | 240                           | 60                                  | 300                       | 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. -- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes manufacturers of raw steel that also produce steel castings. December 2000 data are based on returns from 47% of monthly respondents, representing 55% of scrap consumption during this month, and estimates for nonrespondents of this survey. Year-to-date data are based on returns from 46% of respondents, representing 57% 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/ Less than 1/2 unit.

9/ Includes ingot molds and stools.

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  | December 2000  |  |  |               | 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              | 34   | W  | 28   | 26            | 340  | (5/)   | 340  |
| Cut structural and plate                        | 300  | 50   | 350  | 280           | 3,900  | 700  | 4,500                                      |
| No. 1 heavy melting steel                       | 380  | 300  | 760  | 660           | 5,500  | 3,900  | 9,800                                      |
| No. 2 heavy melting steel                       | 400  | 37   | 460  | 490           | 5,500  | 490  | 6,000                                      |
| No. 1 and electric furnace bundles              | 430  | W  | 570  | 320           | 5,600  | W  | 7,200                                      |
| No. 2 and all other bundles                     | 84   | W  | 82   | 62            | 1,000  | W  | 1,000                                      |
| Electric furnace 1 foot and under (not bundles) | --   | W  | W  | W             | W  | W  | W  |
| Railroad rails                                  | 17   | W  | 20   | 10            | 200  | W  | 230  |
| Turnings and borings                            | 160  | 5  | 170  | 130           | 2,100  | 70   | 2,300                                      |
| Slag scrap                                      | 49   | 120  | 150  | 200           | 710  | 1,400  | 2,100                                      |
| Shredded and fragmentized                       | 700  | W  | 800  | 640           | 9,200  | W  | 10,000                                     |
| No. 1 busheling                                 | 410  | 15   | 420  | 330           | 5,200  | 180  | 5,300                                      |
| Steel cans (post consumer)                      | 17   | W  | 24   | W             | 190  | W  | 250  |
| All other carbon steel scrap                    | 170  | 180  | 340  | 380           | 2,200  | 2,600  | 4,400                                      |
| Stainless steel scrap                           | 44   | 31   | 75   | 48            | 820  | 400  | 1,200                                      |
| Alloy steel scrap                               | 24   | 37   | 60   | 74            | 270  | 560  | 780  |
| Ingot mold and stool scrap                      | W  | 9  | 5  | 21            | W  | 120  | 100  |
| Machinery and cupola cast iron                  | W  | W  | W  | W             | W  | W  | W  |
| Cast iron borings                               | 16   | W  | 16   | 12            | 260  | W  | 250  |
| Motor blocks                                    | W  | --   | W  | W             | W  | --   | W  |
| Other iron scrap                                | 19   | 26   | 50   | W             | 270  | 460  | 750  |
| Other mixed scrap                               | 130  | 33   | 110  | 670           | 1,000  | 530  | 1,500                                      |
| Total   | 3,400  | 1,000  | 4,500                                      | 4,800         | 44,000   | 14,000   | 59,000                                     |

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

1/ Data are rounded to no more than three 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  | December 2000  |  |  | 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/ |
| <b>Mid-Atlantic and New England:</b>                    |  |  |  |  |  |  |
| New Jersey and New York                                 | W  | W  | W  | W  | W  | W  |
| Pennsylvania  | W  | W  | W  | W  | W  | W  |
| Total   | 350  | 180  | 600  | 5,200  | 2,300  | 7,900                                      |
| <b>North Central:</b>                                   |  |  |  |  |  |  |
| Illinois  | W  | W  | 300  | 2,900  | 760  | 3,800                                      |
| Indiana   | 270  | W  | W  | 3,500  | 4,600  | 8,000                                      |
| Iowa, Minnesota, Missouri, Nebraska, Wisconsin          | 230  | 21   | 250  | 2,900  | 260  | 3,000                                      |
| Michigan  | 200  | 42   | 210  | 2,300  | 640  | 2,600                                      |
| Ohio  | 470  | 120  | 580  | 6,300  | 1,800  | 7,800                                      |
| Total   | 1,400  | 610  | 2,000                                      | 18,000   | 8,000  | 25,000                                     |
| <b>South Atlantic:</b>                                  |  |  |  |  |  |  |
| Delaware, Maryland, Virginia, West Virginia             | 160  | 59   | 210  | 2,300  | 880  | 3,000                                      |
| Florida, Georgia, North Carolina, South Carolina        | 210  | 16   | 220  | 2,700  | 210  | 2,900                                      |
| Total   | 370  | 75   | 440  | 5,000  | 1,100  | 5,900                                      |
| <b>South Central:</b>                                   |  |  |  |  |  |  |
| Alabama, Kentucky, Mississippi, Tennessee               | 390  | 64   | 430  | 5,200  | 810  | 5,700                                      |
| Arkansas, Louisiana, Oklahoma, Texas                    | 500  | 55   | 680  | 7,100  | 760  | 7,900                                      |
| Total   | 890  | 120  | 1,100                                      | 12,000   | 1,600  | 15,000                                     |
| <b>Mountain and Pacific:</b>                            |  |  |  |  |  |  |
| Arizona, California, Colorado, Oregon, Utah, Washington | 370  | 51   | 380  | 4,100  | 710  | 4,900                                      |
| Grand total   | 3,400  | 1,000  | 4,500                                      | 44,000   | 14,000   | 59,000                                     |

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

1/ Data are rounded to no more than three 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  | December 2000                      |                  |                   |                  |                            | Year to date p/ 5/                 |                  |                   |                  |                            |
|---|------------------------------------|------------------|-------------------|------------------|----------------------------|------------------------------------|------------------|-------------------|------------------|----------------------------|
|   | Mid-Atlantic<br>and<br>New England | North<br>Central | South<br>Atlantic | South<br>Central | Mountain<br>and<br>Pacific | Mid-Atlantic<br>and<br>New England | North<br>Central | South<br>Atlantic | South<br>Central | Mountain<br>and<br>Pacific |
| Carbon steel:                                   |                                    |                  |                   |                  |                            |                                    |                  |                   |                  |                            |
| Low-phosphorus plate and punchings              | 17                                 | 10               | W                 | 6                | --                         | 150                                | 120              | 13                | 56               | --                         |
| Cut structural and plate                        | 39                                 | 130              | 46                | 51               | 29                         | 550                                | 1,500            | 810               | 690              | 330                        |
| No. 1 heavy melting steel                       | 51                                 | 97               | 46                | 130              | 61                         | 640                                | 1,500            | 500               | 2,100            | 690                        |
| No. 2 heavy melting steel                       | 12                                 | 130              | 54                | 140              | 61                         | 190                                | 2,000            | 800               | 1,800            | 760                        |
| No. 1 and electric furnace bundles              | 28                                 | 330              | 23                | 46               | 10                         | 420                                | 4,200            | 270               | 660              | 130                        |
| No. 2 and all other bundles                     | 8                                  | 33               | 5                 | 25               | 13                         | 100                                | 400              | 81                | 280              | 160                        |
| Electric furnace 1 foot and under (not bundles) | --                                 | --               | --                | --               | --                         | --                                 | --               | --                | --               | --                         |
| Railroad rails                                  | W                                  | W                | (6/)              | 5                | W                          | W                                  | 82               | 2                 | 55               | W                          |
| Turnings and borings                            | 21                                 | 38               | 25                | 67               | 7                          | 340                                | 480              | 370               | 860              | 75                         |
| Slag scrap                                      | 17                                 | 12               | 5                 | 14               | W                          | 230                                | 190              | 86                | 190              | 17                         |
| Shredded and fragmented                         | 37                                 | 220              | 120               | 230              | 93                         | 580                                | 2,800            | 1,500             | 3,200            | 1,100                      |
| No. 1 busheling                                 | 47                                 | 190              | 22                | 140              | 12                         | 740                                | 2,300            | 320               | 1,800            | 140                        |
| Steel cans (post consumer)                      | 7                                  | W                | W                 | W                | W                          | W                                  | W                | W                 | W                | W                          |
| All other carbon steel scrap                    | 15                                 | 120              | 7                 | 23               | W                          | 220                                | 1,500            | 87                | 340              | W                          |
| Stainless steel scrap                           | 35                                 | 9                | --                | --               | --                         | 710                                | 110              | --                | --               | --                         |
| Alloy steel scrap                               | 8                                  | W                | --                | W                | --                         | 90                                 | W                | --                | W                | --                         |
| Ingot mold and stool scrap                      | (6/)                               | W                | --                | --               | --                         | 2                                  | W                | --                | --               | --                         |
| Machinery and cupola cast iron                  | --                                 | 6                | (6/)              | W                | --                         | --                                 | 66               | 1                 | W                | --                         |
| Cast iron borings                               | W                                  | W                | W                 | 7                | --                         | W                                  | W                | W                 | 93               | --                         |
| Motor blocks                                    | (6/)                               | --               | W                 | --               | --                         | (6/)                               | --               | W                 | W                | --                         |
| Other iron scrap                                | W                                  | 7                | W                 | 2                | W                          | W                                  | 87               | W                 | 45               | W                          |
| Other mixed scrap                               | W                                  | W                | 9                 | 12               | W                          | W                                  | 210              | 100               | 160              | W                          |
| Total   | 350                                | 1,400            | 370               | 890              | 370                        | 5,200                              | 18,000           | 5,000             | 12,000           | 4,100                      |

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

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 no more than three 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  | December 2000                      |                  |                   |                  |                            | Year to date p/ 4/                 |                  |                   |                  |                            |
|---|------------------------------------|------------------|-------------------|------------------|----------------------------|------------------------------------|------------------|-------------------|------------------|----------------------------|
|   | Mid-Atlantic<br>and<br>New England | North<br>Central | South<br>Atlantic | South<br>Central | Mountain<br>and<br>Pacific | Mid-Atlantic<br>and<br>New England | North<br>Central | South<br>Atlantic | South<br>Central | Mountain<br>and<br>Pacific |
| Carbon steel:                                   |                                    |                  |                   |                  |                            |                                    |                  |                   |                  |                            |
| Low-phosphorus plate and punchings              | 12                                 | 11               | W                 | W                | --                         | 160                                | 110              | 13                | 62               | --                         |
| Cut structural and plate                        | 66                                 | 140              | 68                | 56               | 29                         | 740                                | 1,600            | 1,100             | 750              | 340                        |
| No. 1 heavy melting steel                       | 100                                | 300              | 67                | 200              | 93                         | 1,200                              | 4,000            | 780               | 2,600            | 1,200                      |
| No. 2 heavy melting steel                       | 22                                 | 150              | 59                | 170              | 59                         | 290                                | 2,100            | 810               | 2,100            | 780                        |
| No. 1 and electric furnace bundles              | 38                                 | 440              | 28                | 55               | 10                         | 520                                | 5,400            | 330               | 750              | 140                        |
| No. 2 and all other bundles                     | 9                                  | 29               | 5                 | 26               | 13                         | 110                                | 390              | 80                | 300              | 150                        |
| Electric furnace 1 foot and under (not bundles) | --                                 | --               | --                | --               | --                         | --                                 | --               | --                | --               | --                         |
| Railroad rails                                  | W                                  | W                | 1                 | 5                | W                          | W                                  | W                | 3                 | 60               | W                          |
| Turnings and borings                            | 29                                 | 42               | 27                | 61               | 8                          | 400                                | 560              | 360               | 870              | 90                         |
| Slag scrap                                      | 30                                 | 73               | 10                | 35               | W                          | 360                                | 1,100            | 140               | 480              | 17                         |
| Shredded and fragmented                         | 69                                 | 240              | 120               | 280              | 96                         | 960                                | 3,000            | 1,500             | 3,700            | 1,200                      |
| No. 1 busheling                                 | 56                                 | 190              | 24                | 140              | 11                         | 840                                | 2,300            | 320               | 1,800            | 140                        |
| Steel cans (post consumer)                      | 10                                 | W                | W                 | W                | W                          | W                                  | W                | W                 | W                | W                          |
| All other carbon steel scrap                    | 45                                 | 220              | 18                | 51               | W                          | 590                                | 2,700            | 230               | 720              | W                          |
| Stainless steel scrap                           | 64                                 | 11               | --                | --               | --                         | 1,100                              | 130              | --                | --               | --                         |
| Alloy steel scrap                               | 18                                 | 39               | --                | W                | --                         | 210                                | 530              | --                | W                | --                         |
| Ingot mold and stool scrap                      | 3                                  | 1                | --                | --               | --                         | 55                                 | 18               | --                | 8                | --                         |
| Machinery and cupola cast iron                  | --                                 | 5                | (5/)              | W                | --                         | --                                 | 64               | 3                 | W                | --                         |
| Cast iron borings                               | W                                  | W                | W                 | 7                | --                         | W                                  | W                | W                 | 94               | --                         |
| Motor blocks                                    | (5/)                               | --               | W                 | --               | --                         | (5/)                               | --               | W                 | W                | --                         |
| Other iron scrap                                | W                                  | 27               | W                 | 4                | W                          | 170                                | 460              | W                 | 60               | W                          |
| Other mixed scrap                               | W                                  | 41               | 6                 | 12               | W                          | W                                  | 470              | 130               | 170              | W                          |
| Total   | 600                                | 2,000            | 440               | 1,100            | 380                        | 7,900                              | 25,000           | 5,900             | 15,000           | 4,900                      |

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

1/ Data are rounded to no more than three 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                      | November 2000 |               | Year to date |                |
|---|---------------|---------------|--------------|----------------|
|   | Quantity      | Value         | Quantity     | Value          |
| <b>North America and South America:</b> |               |               |              |                |
| Canada                                  | 85            | 11,100        | 1,210        | 151,000        |
| Mexico                                  | 78            | 7,850         | 925          | 99,800         |
| Venezuela                               | (3/)          | 277           | 1            | 463            |
| Other                                   | 2             | 415           | 11           | 3,660          |
| <b>Total</b>                            | <b>165</b>    | <b>19,600</b> | <b>2,150</b> | <b>255,000</b> |
| <b>Africa, Europe, Middle East:</b>     |               |               |              |                |
| Belgium                                 | 1             | 1,010         | 14           | 8,030          |
| Italy                                   | 2             | 777           | 7            | 2,900          |
| South Africa                            | 1             | 1,580         | 13           | 8,550          |
| Spain                                   | 6             | 451           | 73           | 17,500         |
| Other                                   | 8             | 4,520         | 74           | 20,700         |
| <b>Total</b>                            | <b>18</b>     | <b>8,330</b>  | <b>180</b>   | <b>57,700</b>  |
| <b>Asia, Australia, Oceania:</b>        |               |               |              |                |
| Australia                               | (3/)          | 20            | 1            | 469            |
| China                                   | 143           | 25,000        | 955          | 193,000        |
| Hong Kong                               | 3             | 838           | 43           | 13,000         |
| India                                   | 5             | 2,330         | 58           | 16,000         |
| Japan                                   | 14            | 6,610         | 69           | 44,100         |
| Korea, Republic of                      | 117           | 11,500        | 1,390        | 234,000        |
| Malaysia                                | (3/)          | 38            | 94           | 9,310          |
| Pakistan                                | (3/)          | 12            | 1            | 926            |
| Taiwan                                  | 31            | 10,900        | 285          | 75,200         |
| Thailand                                | (3/)          | 40            | 134          | 16,000         |
| Other                                   | 3             | 1,190         | 36           | 17,000         |
| <b>Total</b>                            | <b>315</b>    | <b>58,500</b> | <b>3,060</b> | <b>619,000</b> |
| <b>Grand total</b>                      | <b>498</b>    | <b>86,500</b> | <b>5,390</b> | <b>931,000</b> |

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 no more than three significant digits; may not add to totals shown.

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

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                     | November 2000 |               | Year to date |                |
|---|---------------|---------------|--------------|----------------|
|   | Quantity      | Value         | Quantity     | Value          |
| <b>Canadian-U.S. Border:</b>                    |               |               |              |                |
| Buffalo, NY                                     | 9             | 2,850         | 120          | 28,800         |
| Detroit, MI                                     | 16            | 2,630         | 212          | 33,200         |
| Ogdensburg, NY                                  | 1             | 544           | 35           | 6,940          |
| Pembina, ND                                     | 19            | 1,400         | 256          | 25,700         |
| Other 4/  | 1             | 149           | 32           | 3,320          |
| <b>Total</b>                                    | <b>46</b>     | <b>7,580</b>  | <b>654</b>   | <b>98,000</b>  |
| <b>East Coast:</b>                              |               |               |              |                |
| Boston, MA                                      | 27            | 2,610         | 315          | 30,300         |
| New York, NY                                    | 16            | 7,430         | 344          | 104,000        |
| Norfolk, VA                                     | 7             | 1,970         | 80           | 18,600         |
| Portland, ME                                    | 21            | 1,830         | 69           | 7,430          |
| Providence, RI                                  | --            | --            | 240          | 24,500         |
| St. Albans, VT                                  | 7             | 940           | 61           | 11,400         |
| Other   | 43            | 6,130         | 570          | 68,100         |
| <b>Total</b>                                    | <b>119</b>    | <b>20,900</b> | <b>1,680</b> | <b>264,000</b> |
| <b>Gulf Coast and Mexican-U.S.</b>              |               |               |              |                |
| <b>Border (includes Caribbean territories):</b> |               |               |              |                |
| Houston-Galveston, TX                           | 8             | 4,590         | 72           | 48,800         |
| Laredo, TX                                      | 41            | 4,570         | 331          | 37,900         |
| San Juan, PR                                    | 7             | 554           | 60           | 4,250          |
| Tampa, FL                                       | (5/)          | 37            | 42           | 4,440          |
| Other   | 27            | 10,300        | 116          | 55,900         |
| <b>Total</b>                                    | <b>84</b>     | <b>20,000</b> | <b>621</b>   | <b>151,000</b> |
| <b>West Coast and Hawaii:</b>                   |               |               |              |                |
| Columbia-Snake                                  | 4             | 834           | 104          | 22,000         |
| Honolulu, HI and Anchorage, AK                  | 17            | 1,970         | 100          | 12,600         |
| Los Angeles, CA                                 | 150           | 23,200        | 1,100        | 211,000        |
| San Diego, CA                                   | 2             | 183           | 27           | 3,530          |
| San Francisco, CA                               | 71            | 10,000        | 807          | 118,000        |
| Seattle, WA                                     | 6             | 1,760         | 297          | 50,700         |
| <b>Total</b>                                    | <b>249</b>    | <b>38,000</b> | <b>2,440</b> | <b>417,000</b> |
| <b>Grand total</b>                              | <b>498</b>    | <b>86,500</b> | <b>5,390</b> | <b>931,000</b> |

-- Zero.

1/ Re-export activity for November 2000 amounted to 2,000 metric tons valued at \$410,000; year to date amounted to 21,000 metric tons valued at \$4,250,000.

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 no more than 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: U.S. Census Bureau.



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   | November 2000 |        | Year to date |           |
|--|---------------|--------|--------------|-----------|
|  | Quantity      | Value  | Quantity     | Value     |
| No. 1 heavy melting steel  | 56            | 5,380  | 776          | 77,000    |
| No. 2 heavy melting steel  | 19            | 1,680  | 179          | 17,300    |
| No. 1 bundles  | (3/)          | 46     | 52           | 5,060     |
| No. 2 bundles  | 2             | 158    | 24           | 2,160     |
| Shredded steel scrap   | 121           | 12,200 | 1,240        | 129,000   |
| Borings, shoveling and turnings                                    | 15            | 943    | 202          | 15,000    |
| Cut plate and structural   | 2             | 429    | 144          | 15,900    |
| Tinned iron or steel   | 9             | 1,680  | 112          | 26,100    |
| Remelting scrap ingots   | (3/)          | 264    | 2            | 1,110     |
| Cast iron  | 44            | 7,440  | 583          | 78,300    |
| Other iron and steel   | 104           | 9,670  | 891          | 126,000   |
| Total carbon steel and cast iron                                   | 373           | 39,900 | 4,200        | 492,000   |
| Stainless steel  | 45            | 31,100 | 431          | 285,000   |
| Other alloy steel  | 80            | 15,500 | 758          | 153,000   |
| Total stainless and alloy steel                                    | 125           | 46,600 | 1,190        | 439,000   |
| Total carbon, stainless, alloy steel and cast iron                 | 498           | 86,500 | 5,390        | 931,000   |
| Ships, boats, and other vessels for breaking up<br>(for scrapping) | (3/)          | 3      | 11           | 147       |
| Used rails for rerolling and other uses                            | 1             | 714    | 37           | 14,200    |
| Total scrap exports  | 499           | 87,200 | 5,440        | 945,000   |
| Exports of manufactured ferrous products:                          |               |        |              |           |
| Pig iron < or = 0.5% phosphorus                                    | 3             | 473    | 59           | 8,240     |
| Pig iron > 0.5% phosphorus   | --            | --     | 1            | 164       |
| Alloy pig iron   | 1             | 120    | 7            | 724       |
| Total pig iron   | 4             | 593    | 68           | 9,130     |
| Direct-reduced iron (DRI)  | (3/)          | 7      | 2            | 220       |
| Spongy iron products, not DRI                                      | 1             | 427    | 5            | 3,250     |
| Granules for abrasive cleaning and other uses                      | 2             | 1,230  | 27           | 17,400    |
| Powders of alloy steel   | 1             | 1,020  | 6            | 10,000    |
| Other ferrous powders  | 3             | 6,480  | 35           | 93,000    |
| Total DRI, granules, powders                                       | 6             | 9,160  | 75           | 124,000   |
| Grand total  | 509           | 97,000 | 5,580        | 1,080,000 |

-- Zero.

1/ Export valuation is on a "free alongside ship" (f.a.s.) basis.

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

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

(Thousand metric tons and thousand dollars)

| Country   | November 2000 |        | Year to date |            |
|-----------|---------------|--------|--------------|------------|
|           | Quantity      | Value  | Quantity     | Value      |
| Canada    | 140           | 13,600 | 1,750        | 185,000    |
| Japan     | 4             | 802    | 77           | 8,380      |
| Singapore | 7             | 2,170  | 8            | 2,800      |
| Thailand  | 4             | 502    | 4            | 506        |
| Other     | 5             | 1,800  | 1,290        | 172,000 r/ |
| Total     | 162           | 18,900 | 3,130        | 368,000    |

r/ Revised.

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 no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

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

(Thousand metric tons and thousand dollars)

| Customs district | November 2000 |        | Year to date |           |
|------------------|---------------|--------|--------------|-----------|
|                  | Quantity      | Value  | Quantity     | Value     |
| Buffalo, NY      | 17            | 2,030  | 143          | 22,900    |
| Chicago, IL      | 4             | 971    | 78           | 4,910     |
| Cleveland, OH    | 3             | 235    | 32           | 3,170     |
| Detroit, MI      | 61            | 5,490  | 1,020        | 106,000   |
| El Paso, TX      | 1             | 163    | 7            | 1,950     |
| Laredo, TX       | 14            | 3,920  | 57           | 23,500    |
| New Orleans, LA  | 29            | 2,500  | 1,140        | 128,000   |
| Ogdensburg, NY   | 8             | 916    | 26           | 4,630     |
| San Diego, CA    | 1             | 499    | 8            | 4,900     |
| Seattle, WA      | 21            | 1,630  | 317          | 25,000    |
| Other            | 2             | 540    | 297 r/       | 42,900 r/ |
| Total            | 162           | 18,900 | 3,130        | 368,000   |

r/ Revised.

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 no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

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   | November 2000 |        | Year to date |           |
|--|---------------|--------|--------------|-----------|
|  | Quantity      | Value  | Quantity     | Value     |
| No. 1 heavy melting steel  | (3/)          | 16     | 22           | 1,950     |
| No. 2 heavy melting steel  | --            | --     | 5            | 417       |
| No. 1 bundles  | 11            | 941    | 236          | 24,000    |
| No. 2 bundles  | (3/)          | 4      | 35           | 4,140     |
| Shredded steel scrap   | 36            | 3,220  | 835          | 87,300    |
| Borings, shovelings and turnings                                   | (3/)          | 17     | 76           | 5,640     |
| Cut plate and structural   | 3             | 365    | 110          | 13,000    |
| Tinned iron or steel   | 1             | 92     | 14           | 1,420     |
| Remelting scrap ingots   | (3/)          | 41     | 33           | 5,530     |
| Cast iron  | 20            | 1,420  | 427          | 32,800    |
| Other iron and steel   | 60            | 6,330  | 974          | 115,000   |
| Total carbon steel and cast iron                                   | 132           | 12,400 | 2,770        | 291,000   |
| Stainless steel  | 4             | 2,940  | 54           | 34,600    |
| Other alloy steel  | 26            | 3,520  | 306          | 42,800    |
| Total stainless and alloy steel                                    | 30            | 6,460  | 361          | 77,400    |
| Total carbon, stainless, alloy steel and cast iron                 | 162           | 18,900 | 3,130        | 368,000   |
| Ships, boats, and other vessels for breaking up<br>(for scrapping) | --            | --     | --           | --        |
| Used rails for rerolling and other uses                            | 2             | (3/)   | 235          | 30        |
| Total scrap imports  | 164           | 18,900 | 3,360        | 368,000   |
| Imports of manufactured ferrous products:                          |               |        |              |           |
| Pig iron < or = 0.5% phosphorus                                    | 328           | 30,900 | 4,460        | 540,000   |
| Pig iron > 0.5% phosphorus   | --            | --     | 140          | 18,400    |
| Alloy pig iron   | --            | --     | 49           | 5,970     |
| Total pig iron   | 328           | 30,900 | 4,650        | 564,000   |
| Direct-reduced iron (DRI)  | 166           | 17,500 | 948          | 101,000   |
| Spongy iron products, not DRI                                      | (3/)          | 174    | 347          | 38,000    |
| Granules for abrasive cleaning and other uses                      | 3             | 1      | 28           | 17        |
| Powders of alloy steel   | 3             | 4      | 28           | 37        |
| Other ferrous powders  | 6             | 6,360  | 83           | 78,200    |
| Total DRI, granules, powders                                       | 179           | 24,000 | 1,430        | 217,000   |
| Grand total  | 671           | 73,800 | 9,440        | 1,150,000 |

-- Zero.

1/ Import valuation is on a Customs basis.

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

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

| Period    | Raw steel production,<br>thousand metric tons 1/ |                 | Raw steel capability<br>utilization, percent |                 | Continuous cast steel<br>production, percent |                 |
|-----------|--|-----------------|--|-----------------|--|-----------------|
|           | Monthly  | Year<br>to date | Monthly                                      | Year<br>to date | Monthly                                      | Year<br>to date |
|           |  |                 |  |                 |  |                 |
| 1999:     |  |                 |  |                 |  |                 |
| December  | 8,710  | 97,300          | 88.5   | 83.7            | 96.0   | 95.6            |
| 2000:     |  |                 |  |                 |  |                 |
| January   | 8,920  | 8,920           | 89.7   | 89.7            | 96.2   | 96.2            |
| February  | 8,320  | 17,200          | 89.4   | 89.5            | 96.0   | 96.1            |
| March     | 9,080  | 26,400          | 91.2   | 90.4            | 95.7   | 96.0            |
| April     | 8,930  | 35,400          | 92.0   | 91.0            | 96.0   | 96.0            |
| May       | 9,160  | 45,000          | 91.3   | 92.6            | 96.1   | 96.1            |
| June      | 8,700  | 53,700          | 89.6   | 91.6            | 96.0   | 96.1            |
| July      | 8,540  | 62,100          | 85.3   | 90.5            | 96.4   | 96.0            |
| August    | 8,360  | 70,600          | 83.5   | 89.7            | 96.1   | 96.1            |
| September | 8,010  | 86,700          | 82.7   | 89.0            | 96.0   | 96.0            |
| October   | 8,140  | 95,900          | 81.0   | 88.4            | 96.0   | 96.0            |
| November  | 7,310  | 104,000         | 75.1   | 87.2            | 96.0   | 96.0            |
| December  | 7,240  | 112,000         | 72.0   | 85.9            | 97.0   | 96.0            |

1/ Data are rounded to no more than 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<br>No. 1 HMS |        | Iron Age<br>No. 1 HMS |        | Iron Age<br>Pig Iron |        |
|--------------|------------------------------------|--------|-----------------------|--------|----------------------|--------|
|              | \$/t                               | \$/t   | \$/t                  | \$/t   | \$/t                 | \$/t   |
|              |                                    |        |                       |        |                      |        |
| 1999:        |                                    |        |                       |        |                      |        |
| December     | 116.59                             | 114.75 | 113.17                | 111.38 | 149.52               | 147.16 |
| Year Average | 95.66                              | 94.15  | 92.44                 | 90.98  | 141.20               | 138.97 |
| 2000:        |                                    |        |                       |        |                      |        |
| January      | 121.98                             | 120.05 | 113.87                | 112.07 | 153.10               | 150.68 |
| February     | 111.08                             | 109.33 | 104.42                | 102.77 | 154.00               | 151.57 |
| March        | 110.67                             | 108.92 | 104.46                | 102.81 | 154.00               | 151.57 |
| April        | 110.58                             | 108.83 | 104.42                | 102.77 | 154.00               | 151.57 |
| May          | 103.67                             | 102.03 | 96.13                 | 94.61  | 154.00               | 151.57 |
| June         | 97.70                              | 96.16  | 97.77                 | 96.23  | 152.00               | 149.60 |
| July         | 93.67                              | 92.19  | 97.46                 | 95.92  | 151.00               | 148.62 |
| August       | 92.04                              | 90.59  | 89.07                 | 87.66  | 148.40               | 146.06 |
| September    | 92.00                              | 90.55  | 89.00                 | 87.59  | 148.40               | 146.06 |
| October      | 82.56                              | 81.26  | 80.60                 | 79.33  | 148.40               | 146.06 |
| November     | 74.53                              | 73.35  | 74.45                 | 73.27  | 148.40               | 146.06 |
| December     | 78.60                              | 77.36  | 77.54                 | 76.32  | 138.40               | 136.21 |

Note: lt = long ton; t = metric ton.