

# Mineral Industry Surveys

---

**For information, contact:**

Michael D. Fenton, Iron and Steel Scrap 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

Hoa P. Phamdang (Data)  
Telephone: (703) 648-7965  
Fax: (703) 648-7975  
E-mail: hphamdan@usgs.gov

**Internet:** <http://minerals.usgs.gov/minerals>

## IRON AND STEEL SCRAP IN AUGUST 2012

On a daily average basis in August 2012, estimated consumption of iron and steel scrap was up by 4%, net receipts of purchased scrap were up by 4%, and home scrap production was unchanged from that of July 2012. Stocks of purchased and home scrap at the end of August 2012 were down by 3% from those at the end of July 2012. These observations are based upon responses from about 30% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent about 40% of the total scrap consumption in those sectors, and estimates for nonrespondents to this survey.

On a daily average basis, pig iron production and consumption were down by 5% and up by 3%, respectively, in August 2012 from those in July 2012. Stocks of pig iron at the end of August 2012 were down by 4% from those at the end of July 2012.

Exports of iron and steel scrap for the month of August 2012 increased by 7% from those of July 2012. Turkey was the leading country of destination, accounting for 24% of the total tonnage of exports, followed by Taiwan with 19%, and the Republic of Korea with 12% (table 6). Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports,

accounting for 20% of the total, followed by San Francisco, CA, with 11% and Columbia-Snake, OR, with 9% (table 7).

Imports of iron and steel scrap for August 2012 were up by 12% from those of July 2012. Canada was the leading country of origin, accounting for 94% of the total tonnage of imports, followed by Mexico with 6% (table 9). Seattle, WA, was the leading U.S. Customs district for tonnage of imports, accounting for 31% of the total, followed by Detroit, MI, with 30% and Buffalo, NY, with 20% (table 10).

The daily average domestic raw steel production for August 2012, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, was 246,000 metric tons, up by 4% from that in July 2012 and up slightly from that in August 2011 (table 12). The electric furnace portion of raw steel production for August 2012 was 58%, down from 60% in July 2012 and down from 59% in August 2011.

Raw steel production capability utilization (AISI data) in August 2012 was 76%, up from 73% in July 2012 and the same as that in August 2011 (table 12). Continuous cast steel production in August 2012 accounted for 99% of total raw steel production, the same as that in July 2012 and up slightly from that in August 2011.

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

(Thousand metric tons)

|  | August 2012                             |   |                           | January–August <sup>3</sup>             |   |                           |
|--|---|---|---------------------------|---|---|---------------------------|
|  | Integrated steel producers <sup>4</sup> | Electric furnace steel producers <sup>5</sup> | Total for steel producers | Integrated steel producers <sup>4</sup> | Electric furnace steel producers <sup>5</sup> | Total for steel producers |
| <b>Scrap:</b>                              |   |   |                           |   |   |                           |
| Receipts from dealers and other sources    | 1,810                                   | 1,970   | 3,780                     | 14,400                                  | 16,600  | 31,000                    |
| Receipts from other own company plants     | 43                                      | 238   | 281                       | 402                                     | 1,980   | 2,380                     |
| Production recirculating scrap             | 425                                     | 233   | 658                       | 3,440                                   | 1,860   | 5,300                     |
| Production obsolete scrap                  | W                                       | W   | 12                        | W                                       | W   | 95                        |
| <b>Consumption (by type of furnace):</b>   |   |   |                           |   |   |                           |
| Blast furnace                              | W                                       | W   | W                         | W                                       | W   | W                         |
| Basic oxygen process                       | W                                       | W   | 733                       | W                                       | W   | 5,330                     |
| Electric furnace                           | 1,280                                   | 2,390   | 3,670                     | 10,700                                  | 19,000  | 29,700                    |
| Other (including air furnace) <sup>6</sup> | W                                       | W   | W                         | W                                       | W   | W                         |
| Total consumption                          | 2,210                                   | 2,530   | 4,740                     | 17,600                                  | 20,300  | 37,900                    |
| Shipments                                  | 90                                      | 17  | 107                       | 815                                     | 148   | 963                       |
| Stocks, end of period                      | 1,860                                   | 1,650   | 3,520                     | 1,860                                   | 1,650   | 3,520                     |
| <b>Pig iron (includes hot metal):</b>      |   |   |                           |   |   |                           |
| Receipts                                   | 536                                     | 80  | 616                       | 4,290                                   | 702   | 4,990                     |
| Production                                 | 2,370                                   | --  | 2,370                     | 19,200                                  | --  | 19,200                    |
| <b>Consumption (by type of furnace):</b>   |   |   |                           |   |   |                           |
| Basic oxygen process                       | W                                       | W   | 2,670                     | W                                       | W   | 20,300                    |
| Direct castings <sup>7</sup>               | W                                       | W   | W                         | W                                       | W   | W                         |
| Electric furnace                           | W                                       | W   | W                         | W                                       | W   | W                         |
| Total consumption                          | 2,920                                   | 83  | 3,000                     | 23,400                                  | 680   | 24,100                    |
| Shipments                                  | W                                       | --  | 5                         | W                                       | --  | 49                        |
| Stocks, end of period                      | W                                       | W   | 444                       | W                                       | W   | 444                       |
| <b>Direct-reduced iron:<sup>8</sup></b>    |   |   |                           |   |   |                           |
| Receipts                                   | 83                                      | 70  | 153                       | 828                                     | 458   | 1,290                     |
| Total consumption                          | 336                                     | 52  | 388                       | 1,650                                   | 417   | 2,070                     |
| Stocks, end of period                      | 116                                     | 69  | 185                       | 116                                     | 69  | 185                       |

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

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

<sup>2</sup>Includes manufacturers of raw steel that also produce steel castings. August 2012 data are based on returns from 30% of consumer surveys, representing 40% of scrap consumption during this month, and estimates for nonrespondents of this survey.

<sup>3</sup>May include revisions to previously published data.

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

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

<sup>6</sup>Includes vacuum melting furnaces and miscellaneous uses.

<sup>7</sup>Includes ingot molds and stools.

<sup>8</sup>Includes direct-reduced iron, hot-briquetted iron, and iron carbide. Domestic production data are included in "Receipts."

TABLE 2  
RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, CONSUMPTION, AND STOCKS OF IRON AND STEEL SCRAP, BY GRADE, FOR STEEL PRODUCERS<sup>1,2</sup>

(Thousand metric tons)

| Item  | August 2012  |  |  |               | January–August <sup>p,3</sup>                                      |  |  |
|---|--|--|--|---------------|--|--|--|
|   | 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 <sup>4</sup> | 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 <sup>4</sup> |
| Carbon steel:                                   |  |  |  |               |  |  |  |
| Low-phosphorus plate and punchings              | 55   | W  | 58   | 137           | 443  | W  | 464  |
| Cut structural and plate                        | 310  | 50   | 400  | 236           | 2,640  | 453  | 3,210  |
| No. 1 heavy melting steel                       | 379  | 82   | 492  | 316           | 3,160  | 618  | 3,900  |
| No. 2 heavy melting steel                       | 455  | 21   | 485  | 340           | 3,770  | 178  | 4,000  |
| No. 1 and electric furnace bundles              | 213  | W  | 276  | 245           | 1,580  | W  | 2,210  |
| No. 2 and all other bundles                     | 94   | W  | 89   | 35            | 653  | W  | 670  |
| Electric furnace 1 foot and under (not bundles) | 1  | W  | W  | W             | 11   | W  | W  |
| Railroad rails                                  | 21   | W  | 25   | 16            | 158  | W  | 205  |
| Turnings and borings                            | 183  | 4  | 202  | 122           | 1,520  | 31   | 1,690  |
| Slag scrap                                      | 83   | 88   | 132  | 141           | 638  | 744  | 1,050  |
| Shredded and fragmented                         | 1,070  | W  | 1,310  | 972           | 9,440  | W  | 10,800   |
| No. 1 busheling                                 | 372  | 15   | 399  | 314           | 2,890  | 128  | 3,090  |
| Steel cans (post consumer)                      | 10   | --   | 10   | 3             | 76   | --   | 76   |
| All other carbon steel scrap                    | 282  | 146  | 444  | 190           | 1,940  | 1,100  | 3,060  |
| Stainless steel scrap                           | 72   | 27   | 109  | 45            | 578  | 218  | 877  |
| Alloy steel scrap                               | 35   | 18   | 58   | 160           | 302  | 154  | 478  |
| Ingot mold and stool scrap                      | W  | W  | 10   | 16            | 5  | W  | 85   |
| Machinery and cupola cast iron                  | 5  | W  | 5  | 4             | W  | W  | W  |
| Cast iron borings                               | 21   | W  | 20   | W             | W  | W  | W  |
| Other iron scrap                                | 77   | 26   | 106  | 126           | 620  | 238  | 821  |
| Other mixed scrap                               | 39   | 39   | 104  | 80            | 313  | 310  | 902  |
| Total   | 3,780  | 658  | 4,740  | 3,520         | 31,000   | 5,300  | 37,900   |

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

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

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

<sup>3</sup>May include revisions to previously published data.

<sup>4</sup>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<sup>1, 2</sup>

(Thousand metric tons)

| Region and State  | August 2012  |  |  | January–August <sup>P, 3</sup>                                     |  |  |
|---|--|--|--|--|--|--|
|   | 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 <sup>4</sup> | 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 <sup>4</sup> |
| <b>Mid-Atlantic and New England:</b>                    |  |  |  |  |  |  |
| New Jersey, New York, Pennsylvania                      | 416  | 143  | 616  | 3,340  | 1,140  | 4,920  |
| <b>North Central:</b>                                   |  |  |  |  |  |  |
| Illinois and Indiana                                    | 469  | 141  | 605  | 3,640  | 1,130  | 4,750  |
| Iowa, Minnesota, Nebraska, Wisconsin                    | 252  | 13   | 280  | 2,040  | 105  | 2,230  |
| Michigan  | 174  | 105  | 217  | 1,220  | 825  | 1,680  |
| Ohio  | 447  | 77   | 541  | 3,660  | 655  | 4,400  |
| Total   | 1,340  | 336  | 1,640  | 10,600   | 2,710  | 13,100   |
| <b>South Atlantic:</b>                                  |  |  |  |  |  |  |
| Delaware, Maryland, Virginia, West Virginia             | 193  | 53   | 284  | 1,770  | 419  | 2,370  |
| Georgia, North Carolina, South Carolina                 | 364  | 17   | 350  | 2,620  | 149  | 2,840  |
| Total   | 557  | 70   | 632  | 4,390  | 568  | 5,210  |
| <b>South Central:</b>                                   |  |  |  |  |  |  |
| Alabama, Kentucky, Mississippi, Tennessee               | 691  | 38   | 803  | 5,770  | 318  | 6,320  |
| Arkansas, Louisiana, Oklahoma, Texas                    | 520  | 50   | 744  | 4,860  | 387  | 5,850  |
| Total   | 1,210  | 88   | 1,550  | 10,600   | 706  | 12,200   |
| <b>Mountain and Pacific:</b>                            |  |  |  |  |  |  |
| Arizona, California, Colorado, Oregon, Utah, Washington | 255  | 22   | 305  | 2,050  | 177  | 2,520  |
| Grand total   | 3,780  | 658  | 4,740  | 31,000   | 5,300  | 37,900   |

<sup>P</sup>Preliminary.

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

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

<sup>3</sup>May include revisions to previously published data.

<sup>4</sup>Includes recirculating scrap and home-generated obsolete scrap.

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

(Thousand metric tons)

| Item  | August 2012                        |                  |                   |                  |                            | January–August <sup>p, 5</sup>     |                  |                   |                  |                            |
|---|------------------------------------|------------------|-------------------|------------------|----------------------------|------------------------------------|------------------|-------------------|------------------|----------------------------|
|   | 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              | 19                                 | W                | --                | W                | W                          | 150                                | W                | 3                 | W                | W                          |
| Cut structural and plate                        | 39                                 | 96               | 62                | 93               | W                          | 326                                | 791              | 514               | 843              | W                          |
| No. 1 heavy melting steel                       | 68                                 | 101              | 39                | 148              | 24                         | 548                                | 809              | 296               | 1,320            | 194                        |
| No. 2 heavy melting steel                       | 10                                 | 158              | 40                | 207              | W                          | 80                                 | 1,330            | 381               | 1,670            | W                          |
| No. 1 and electric furnace bundles              | 8                                  | 147              | W                 | 32               | W                          | 67                                 | 1,060            | W                 | 278              | W                          |
| No. 2 and all other bundles                     | 14                                 | 49               | W                 | W                | W                          | 107                                | 273              | W                 | W                | W                          |
| Electric furnace 1 foot and under (not bundles) | --                                 | W                | --                | W                | --                         | --                                 | W                | --                | W                | --                         |
| Railroad rails                                  | W                                  | W                | W                 | 5                | W                          | W                                  | W                | --                | 33               | W                          |
| Turnings and borings                            | 15                                 | 57               | 25                | 78               | 9                          | 116                                | 481              | 217               | 643              | 68                         |
| Slag scrap                                      | 11                                 | 33               | W                 | 19               | W                          | 88                                 | 251              | W                 | 147              | W                          |
| Shredded and fragmentized                       | 82                                 | 280              | 218               | 347              | 145                        | 644                                | 2,310            | 1,670             | 3,660            | 1,160                      |
| No. 1 busheling                                 | 54                                 | 139              | 39                | 139              | W                          | 460                                | 1,100            | 262               | 1,060            | W                          |
| Steel cans (post consumer)                      | 6                                  | W                | --                | --               | --                         | 48                                 | W                | --                | --               | W                          |
| All other carbon steel scrap                    | 42                                 | 137              | 16                | 84               | 3                          | 331                                | 977              | 104               | 502              | 22                         |
| Stainless steel scrap                           | W                                  | W                | --                | W                | --                         | W                                  | W                | --                | W                | --                         |
| Alloy steel scrap                               | 2                                  | W                | --                | W                | --                         | 14                                 | W                | --                | W                | --                         |
| Ingot mold and stool scrap                      | W                                  | W                | --                | --               | --                         | W                                  | W                | --                | --               | --                         |
| Machinery and cupola cast iron                  | W                                  | 1                | W                 | W                | --                         | W                                  | 9                | W                 | W                | --                         |
| Cast iron borings                               | W                                  | W                | W                 | W                | W                          | W                                  | W                | W                 | W                | W                          |
| Other iron scrap                                | 5                                  | 31               | W                 | 8                | W                          | 39                                 | 251              | W                 | 61               | W                          |
| Other mixed scrap                               | W                                  | 7                | W                 | 3                | W                          | W                                  | 45               | W                 | 16               | W                          |
| Total   | 416                                | 1,340            | 557               | 1,210            | 255                        | 3,340                              | 10,600           | 4,390             | 10,600           | 2,050                      |

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

<sup>1</sup>Scrap received from brokers, dealers, and other outside sources.

<sup>2</sup>A breakout of the States within each region is provided in Table 3.

<sup>3</sup>Includes manufacturers of raw steel that also produce steel castings.

<sup>4</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>5</sup>May include revisions to previously published data.

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

(Thousand metric tons)

| Item  | August 2012                        |                  |                   |                  |                            | January–August <sup>4</sup>        |                  |                   |                  |                            |
|---|------------------------------------|------------------|-------------------|------------------|----------------------------|------------------------------------|------------------|-------------------|------------------|----------------------------|
|   | 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              | 19                                 | W                | 1                 | W                | W                          | 154                                | W                | 8                 | W                | W                          |
| Cut structural and plate                        | 53                                 | 114              | 95                | 117              | W                          | 414                                | 981              | 760               | 892              | W                          |
| No. 1 heavy melting steel                       | 110                                | 129              | 42                | 185              | 26                         | 870                                | 1,000            | 315               | 1,510            | 204                        |
| No. 2 heavy melting steel                       | 16                                 | 150              | 48                | 230              | W                          | 128                                | 1,320            | 407               | 1,830            | W                          |
| No. 1 and electric furnace bundles              | 20                                 | 197              | W                 | 35               | W                          | 162                                | 1,580            | W                 | 287              | W                          |
| No. 2 and all other bundles                     | 14                                 | 45               | W                 | 16               | W                          | 107                                | 272              | W                 | 141              | W                          |
| Electric furnace 1 foot and under (not bundles) | --                                 | W                | --                | W                | --                         | --                                 | W                | --                | W                | --                         |
| Railroad rails                                  | W                                  | W                | --                | 5                | W                          | W                                  | W                | --                | 52               | W                          |
| Turnings and borings                            | 30                                 | 57               | 26                | 80               | 9                          | 244                                | 508              | 221               | 644              | 69                         |
| Slag scrap                                      | 17                                 | 61               | W                 | 34               | W                          | 133                                | 499              | W                 | 260              | W                          |
| Shredded and fragmentized                       | 111                                | 314              | 231               | 494              | 161                        | 866                                | 2,490            | 1,920             | 4,250            | 1,290                      |
| No. 1 busheling                                 | 58                                 | 151              | 28                | 161              | W                          | 506                                | 1,190            | 251               | 1,130            | W                          |
| Steel cans (post consumer)                      | 6                                  | W                | --                | --               | --                         | 48                                 | W                | --                | --               | --                         |
| All other carbon steel scrap                    | 68                                 | 202              | 45                | 125              | 3                          | 551                                | 1,460            | 355               | 672              | 23                         |
| Stainless steel scrap                           | 55                                 | 18               | --                | W                | --                         | 439                                | 147              | --                | W                | --                         |
| Alloy steel scrap                               | 13                                 | 34               | --                | W                | --                         | 109                                | 287              | --                | W                | --                         |
| Ingot mold and stool scrap                      | W                                  | 6                | --                | W                | --                         | W                                  | 50               | --                | W                | --                         |
| Machinery and cupola cast iron                  | --                                 | W                | W                 | W                | --                         | --                                 | W                | W                 | W                | --                         |
| Cast iron borings                               | W                                  | W                | W                 | --               | W                          | W                                  | W                | W                 | --               | W                          |
| Other iron scrap                                | 12                                 | 47               | 38                | 9                | W                          | 96                                 | 349              | 303               | 68               | W                          |
| Other mixed scrap                               | W                                  | 41               | W                 | 3                | W                          | W                                  | 317              | W                 | 15               | W                          |
| Total   | 616                                | 1,640            | 632               | 1,550            | 305                        | 4,920                              | 13,100           | 5,210             | 12,200           | 2,520                      |

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

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

<sup>2</sup>A breakout of the States within each region is provided in Table 3.

<sup>3</sup>Includes manufacturers of raw steel that also produce steel castings.

<sup>4</sup>May include revisions to previously published data.

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

(Thousand metric tons and thousand dollars)

| Region and country                      | August 2012  |                | January–August <sup>3</sup> |                  |
|---|--------------|----------------|-----------------------------|------------------|
|   | Quantity     | Value          | Quantity                    | Value            |
| <b>North America and South America:</b> |              |                |                             |                  |
| Canada                                  | 115          | 38,700         | 856                         | 292,000          |
| Colombia                                | --           | --             | 31                          | 11,900           |
| Ecuador                                 | 1            | 154            | 2                           | 781              |
| Guatemala                               | --           | --             | 30                          | 13,100           |
| Mexico                                  | 71           | 25,800         | 512                         | 203,000          |
| Peru                                    | --           | --             | 31                          | 12,900           |
| Other <sup>4</sup>                      | (5)          | 292            | 5                           | 3,130            |
| <b>Total</b>                            | <b>187</b>   | <b>65,000</b>  | <b>1,470</b>                | <b>536,000</b>   |
| <b>Africa, Europe, Middle East:</b>     |              |                |                             |                  |
| Belgium                                 | 1            | 489            | 7                           | 5,380            |
| Egypt                                   | 37           | 13,300         | 372                         | 151,000          |
| Finland                                 | --           | --             | 6                           | 11,500           |
| Germany                                 | (5)          | 113            | 2                           | 3,800            |
| Greece                                  | --           | --             | 2                           | 429              |
| Iraq                                    | --           | --             | 1                           | 230              |
| Italy                                   | 1            | 1,540          | 32                          | 18,400           |
| Morocco                                 | --           | --             | 25                          | 10,700           |
| Netherlands                             | 1            | 1,200          | 9                           | 12,500           |
| Portugal                                | --           | --             | 6                           | 1,070            |
| Saudi Arabia                            | --           | --             | 81                          | 35,800           |
| Spain                                   | 1            | 1,210          | 15                          | 28,200           |
| Turkey                                  | 508          | 185,000        | 4,420                       | 1,790,000        |
| United Arab Emirates                    | (5)          | 73             | 2                           | 600              |
| United Kingdom                          | (5)          | 269            | 2                           | 2,980            |
| Other <sup>4</sup>                      | (5)          | 851            | 4                           | 9,560            |
| <b>Total</b>                            | <b>549</b>   | <b>204,000</b> | <b>4,990</b>                | <b>2,080,000</b> |
| <b>Asia, Australia, Oceania:</b>        |              |                |                             |                  |
| Bangladesh                              | 3            | 1,570          | 29                          | 14,100           |
| China                                   | 91           | 88,600         | 1,460                       | 968,000          |
| Hong Kong                               | 7            | 5,880          | 41                          | 32,900           |
| India                                   | 184          | 75,300         | 904                         | 403,000          |
| Indonesia                               | 61           | 23,300         | 259                         | 110,000          |
| Japan                                   | 3            | 6,840          | 36                          | 61,200           |
| Korea, Republic of                      | 256          | 98,000         | 2,120                       | 917,000          |
| Malaysia                                | 143          | 53,800         | 592                         | 247,000          |
| Pakistan                                | 24           | 14,200         | 141                         | 85,300           |
| Philippines                             | 1            | 625            | 4                           | 1,700            |
| Singapore                               | (5)          | 221            | 3                           | 1,410            |
| Taiwan                                  | 397          | 158,000        | 2,520                       | 1,130,000        |
| Thailand                                | 58           | 21,600         | 342                         | 137,000          |
| Vietnam                                 | 118          | 44,200         | 392                         | 152,000          |
| Other <sup>4</sup>                      | 1            | 220            | 1                           | 1,870            |
| <b>Total</b>                            | <b>1,350</b> | <b>593,000</b> | <b>8,840</b>                | <b>4,260,000</b> |
| <b>Grand total</b>                      | <b>2,080</b> | <b>862,000</b> | <b>15,300</b>               | <b>6,870,000</b> |

-- Zero.

<sup>1</sup>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 basis.

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

<sup>3</sup>May include revisions to previously published data.

<sup>4</sup>Includes countries with January–August 2012 quantities of less than 500 metric tons.

<sup>5</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 7  
U.S. EXPORTS OF IRON AND STEEL SCRAP BY REGION AND  
SELECTED CUSTOMS DISTRICT<sup>1,2</sup>

(Thousand metric tons and thousand dollars)

| Region and customs district   | August 2012  |                | January–August <sup>3</sup> |                  |
|---|--------------|----------------|-----------------------------|------------------|
|   | Quantity     | Value          | Quantity                    | Value            |
| <b>Canada–United States border:</b>   |              |                |                             |                  |
| Buffalo, NY   | 28           | 11,000         | 192                         | 74,300           |
| Chicago, IL   | (4)          | 131            | 2                           | 846              |
| Detroit, MI   | 36           | 12,000         | 233                         | 75,800           |
| Duluth, MN  | 1            | 323            | 14                          | 6,210            |
| Great Falls, MT   | 1            | 458            | 7                           | 2,230            |
| Ogdensburg, NY  | 2            | 747            | 18                          | 6,130            |
| Pembina, ND   | 38           | 15,300         | 312                         | 123,000          |
| Other   | 5            | 939            | 45                          | 8,570            |
| <b>Total</b>  | <b>111</b>   | <b>40,800</b>  | <b>823</b>                  | <b>297,000</b>   |
| <b>East coast:</b>  |              |                |                             |                  |
| Baltimore, MD   | 37           | 15,900         | 168                         | 74,800           |
| Boston, MA  | 109          | 41,700         | 969                         | 400,000          |
| Charleston, SC  | 13           | 8,290          | 90                          | 53,700           |
| Charlotte, NC   | 1            | 1,800          | 9                           | 13,000           |
| Miami, FL   | 34           | 14,700         | 332                         | 138,000          |
| New York, NY  | 150          | 69,500         | 2,044                       | 963,000          |
| Norfolk, VA   | 47           | 20,300         | 465                         | 215,000          |
| Philadelphia, PA  | 76           | 29,000         | 622                         | 263,000          |
| Portland, ME  | (4)          | 85             | 103                         | 43,900           |
| Providence, RI  | 86           | 30,900         | 456                         | 184,000          |
| Savannah, GA  | 29           | 16,200         | 257                         | 149,000          |
| St. Albans, VT  | 5            | 1,650          | 39                          | 14,000           |
| Washington, DC  | --           | --             | (4)                         | 30               |
| <b>Total</b>  | <b>587</b>   | <b>250,000</b> | <b>5,550</b>                | <b>2,510,000</b> |
| <b>Gulf coast and Mexico–United States border (includes Caribbean territories):</b> |              |                |                             |                  |
| El Paso, TX   | 2            | 769            | 20                          | 7,100            |
| Houston–Galveston, TX   | 77           | 32,800         | 960                         | 428,000          |
| Laredo, TX  | 42           | 15,500         | 277                         | 110,000          |
| Mobile, AL  | 35           | 14,500         | 147                         | 71,000           |
| New Orleans, LA   | 125          | 43,400         | 683                         | 265,000          |
| San Juan, PR  | 40           | 13,600         | 250                         | 88,800           |
| Tampa, FL   | 69           | 26,300         | 259                         | 111,000          |
| U.S. Virgin Islands   | --           | --             | 12                          | 2,040            |
| Other   | (4)          | 12             | (4)                         | 192              |
| <b>Total</b>  | <b>390</b>   | <b>147,000</b> | <b>2,610</b>                | <b>1,080,000</b> |
| <b>West coast and Hawaii:</b>   |              |                |                             |                  |
| Columbia–Snake, OR  | 180          | 69,100         | 999                         | 420,000          |
| Honolulu, HI, and Anchorage, AK   | 27           | 10,300         | 126                         | 51,600           |
| Los Angeles, CA   | 427          | 199,000        | 2,940                       | 1,520,000        |
| San Diego, CA   | 2            | 568            | 13                          | 3,660            |
| San Francisco, CA   | 231          | 91,900         | 1,400                       | 619,000          |
| Seattle, WA   | 128          | 53,200         | 837                         | 362,000          |
| <b>Total</b>  | <b>995</b>   | <b>424,000</b> | <b>6,310</b>                | <b>2,980,000</b> |
| <b>Grand total</b>  | <b>2,080</b> | <b>862,000</b> | <b>15,300</b>               | <b>6,870,000</b> |

-- Zero.

<sup>1</sup>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 basis.

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

<sup>3</sup>May include revisions to previously published data.

<sup>4</sup>Less than ½ unit.

Source: U.S. Census Bureau.



TABLE 8  
U.S. EXPORTS OF IRON AND STEEL SCRAP AND OTHER FERROUS PRODUCTS BY GRADE<sup>1,2</sup>

(Thousand metric tons and thousand dollars)

| Item   | August 2012 |         | January–August |           |
|--|-------------|---------|----------------|-----------|
|  | Quantity    | Value   | Quantity       | Value     |
| No. 1 heavy melting steel  | 680         | 249,000 | 5,350          | 2,170,000 |
| No. 2 heavy melting steel  | 78          | 26,800  | 794            | 311,000   |
| No. 1 bundles  | 50          | 19,600  | 348            | 129,000   |
| No. 2 bundles  | 3           | 781     | 6              | 1,860     |
| Shredded steel scrap   | 706         | 264,000 | 4,670          | 1,920,000 |
| Borings, shovelings and turnings                                   | 5           | 1,740   | 60             | 22,000    |
| Cut plate and structural   | 115         | 43,400  | 712            | 291,000   |
| Tinned iron or steel   | 15          | 8,120   | 106            | 52,400    |
| Remelting scrap ingots   | 3           | 3,480   | 22             | 25,600    |
| Cast iron  | 58          | 23,900  | 414            | 173,000   |
| Other iron and steel   | 258         | 111,000 | 1,940          | 878,000   |
| Total carbon steel and cast iron                                   | 1,970       | 752,000 | 14,400         | 5,980,000 |
| Stainless steel  | 58          | 64,100  | 404            | 540,000   |
| Other alloy steel  | 56          | 45,900  | 455            | 355,000   |
| Total stainless and alloy steel                                    | 114         | 110,000 | 859            | 895,000   |
| Total carbon, stainless, alloy steel and cast iron                 | 2,080       | 862,000 | 15,300         | 6,870,000 |
| Ships, boats, and other vessels for<br>breaking up (for scrapping) | --          | --      | 4              | 799       |
| Used rails for rerolling and other uses                            | 4           | 4,600   | 18             | 18,500    |
| Total scrap exports  | 2,090       | 866,000 | 15,300         | 6,890,000 |
| Exports of manufactured ferrous products:                          |             |         |                |           |
| Pig iron < or = 0.5% phosphorus                                    | 1           | 470     | 7              | 3,960     |
| Pig iron > 0.5% phosphorus   | (3)         | 27      | 1              | 65        |
| Alloy pig iron   | (3)         | 345     | 75             | 1,520     |
| Total pig iron   | 2           | 842     | 84             | 5,550     |
| Direct-reduced iron (DRI)  | (3)         | 12      | (3)            | 40        |
| Spongy iron products, not DRI                                      | 1           | 742     | 3              | 2,630     |
| Granules for abrasive cleaning and other uses                      | 4           | 5,500   | 27             | 34,500    |
| Powders of alloy steel   | 1           | 4,020   | 8              | 29,800    |
| Other ferrous powders  | 7           | 7,290   | 60             | 68,500    |
| Total DRI, granules, powders                                       | 12          | 17,600  | 99             | 136,000   |
| Grand total  | 2,100       | 885,000 | 15,500         | 7,030,000 |

-- Zero.

<sup>1</sup>Export valuation is on a free-alongside-ship basis.

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

<sup>3</sup>Less than ½ unit.

Source: U.S. Census Bureau.

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

(Thousand metric tons and thousand dollars)

| Country            | August 2012 |         | January–August <sup>3</sup> |           |
|--------------------|-------------|---------|-----------------------------|-----------|
|                    | Quantity    | Value   | Quantity                    | Value     |
| Bahamas, The       | (4)         | 107     | 5                           | 889       |
| Bulgaria           | --          | --      | 2                           | 265       |
| Canada             | 249         | 99,700  | 2,070                       | 885,000   |
| Cayman Islands     | (4)         | 8       | 5                           | 1,550     |
| France             | --          | --      | 16                          | 6,950     |
| Germany            | (4)         | 31      | 47                          | 21,200    |
| Japan              | (4)         | 76      | 1                           | 579       |
| Jordan             | --          | --      | 1                           | 290       |
| Korea, Republic of | --          | --      | 4                           | 1,570     |
| Mexico             | 15          | 6,470   | 160                         | 85,900    |
| Netherlands        | --          | --      | 135                         | 59,400    |
| Panama             | (4)         | 4       | 1                           | 282       |
| Peru               | --          | --      | 1                           | 437       |
| Singapore          | --          | --      | 2                           | 433       |
| Sweden             | --          | --      | 70                          | 30,800    |
| United Kingdom     | (4)         | 646     | 79                          | 38,200    |
| Other <sup>5</sup> | (4)         | 305     | 4                           | 6,420     |
| Total              | 265         | 107,000 | 2,610                       | 1,140,000 |

-- Zero.

<sup>1</sup>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.

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

<sup>3</sup>May include revisions to previously published data.

<sup>4</sup>Less than ½ unit.

<sup>5</sup>Includes countries with January–August 2012 quantities of less than 500 metric tons.

Source: U.S. Census Bureau.

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

(Thousand metric tons and thousand dollars)

| Customs district   | August 2012 |         | January–August <sup>3</sup> |           |
|--------------------|-------------|---------|-----------------------------|-----------|
|                    | Quantity    | Value   | Quantity                    | Value     |
| Boston, MA         | --          | --      | 1                           | 447       |
| Buffalo, NY        | 52          | 32,900  | 429                         | 287,000   |
| Charleston, SC     | (4)         | 42      | 163                         | 72,400    |
| Chicago, IL        | (4)         | 88      | 18                          | 1,960     |
| Columbia-Snake, OR | 9           | 2,810   | 27                          | 9,170     |
| Detroit, MI        | 79          | 32,500  | 720                         | 305,000   |
| Duluth, MN         | 2           | 489     | 21                          | 7,860     |
| El Paso, TX        | 3           | 1,180   | 29                          | 12,400    |
| Great Falls, MT    | 11          | 3,630   | 94                          | 34,500    |
| Laredo, TX         | 4           | 2,910   | 55                          | 45,800    |
| Los Angeles, CA    | (4)         | 16      | 10                          | 6,180     |
| Miami, FL          | (4)         | 28      | 6                           | 1,580     |
| Mobile, AL         | (4)         | 4       | 33                          | 15,400    |
| New Orleans, LA    | --          | --      | 121                         | 49,500    |
| New York, NY       | (4)         | 623     | 3                           | 4,190     |
| Nogales, AZ        | 2           | 817     | 19                          | 8,170     |
| Ogdensburg, NY     | 2           | 875     | 25                          | 23,300    |
| Pembina, ND        | 9           | 2,740   | 51                          | 19,800    |
| Portland, ME       | 2           | 482     | 8                           | 3,130     |
| San Diego, CA      | 6           | 1,560   | 48                          | 14,900    |
| Savannah, GA       | --          | --      | 1                           | 373       |
| Seattle, WA        | 83          | 23,000  | 677                         | 193,000   |
| Tampa, FL          | (4)         | 82      | 6                           | 1,840     |
| Wilmington, NC     | (4)         | 64      | 36                          | 16,600    |
| Other              | 1           | 428     | 4                           | 4,990     |
| Total              | 265         | 107,000 | 2,610                       | 1,140,000 |

-- Zero.

<sup>1</sup>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.

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

<sup>3</sup>May include revisions to previously published data.

<sup>4</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 11  
U.S. IMPORTS OF IRON AND STEEL SCRAP AND OTHER  
FERROUS PRODUCTS BY GRADE<sup>1,2</sup>

(Thousand metric tons and thousand dollars)

| Item   | August 2012 |         | January–August |           |
|--|-------------|---------|----------------|-----------|
|  | Quantity    | Value   | Quantity       | Value     |
| No. 1 heavy melting steel  | 24          | 7,590   | 164            | 59,700    |
| No. 2 heavy melting steel  | 9           | 2,460   | 68             | 21,400    |
| No. 1 bundles  | 54          | 20,200  | 779            | 332,000   |
| No. 2 bundles  | 1           | 240     | 14             | 3,590     |
| Shredded steel scrap   | 24          | 5,020   | 268            | 70,800    |
| Borings, shovelings and turnings                                   | 7           | 1,590   | 60             | 14,900    |
| Cut plate and structural   | 18          | 5,400   | 186            | 56,100    |
| Tinned iron or steel   | 7           | 2,420   | 66             | 22,300    |
| Remelting scrap ingots   | --          | --      | (3)            | 201       |
| Cast iron  | 8           | 3,020   | 145            | 46,500    |
| Other iron and steel   | 76          | 21,800  | 407            | 120,000   |
| Total carbon steel and cast iron                                   | 227         | 69,700  | 2,160          | 748,000   |
| Stainless steel  | 10          | 14,200  | 109            | 179,000   |
| Other alloy steel  | 28          | 23,500  | 340            | 213,000   |
| Total stainless and alloy steel                                    | 38          | 37,600  | 448            | 392,000   |
| Total carbon, stainless, alloy steel and cast iron                 | 265         | 107,000 | 2,610          | 1,140,000 |
| Ships, boats, and other vessels for<br>breaking up (for scrapping) | --          | --      | (3)            | 22        |
| Total scrap imports  | 265         | 107,000 | 2,610          | 1,140,000 |
| Imports of manufactured ferrous products:                          |             |         |                |           |
| Pig iron < or = 0.5% phosphorus                                    | 173         | 79,000  | 2,860          | 1,320,000 |
| Pig iron > or = 0.5% phosphorus                                    | --          | --      | (3)            | 200       |
| Alloy pig iron   | --          | --      | (3)            | 93        |
| Total pig iron   | 173         | 79,000  | 2,860          | 1,320,000 |
| Direct-reduced iron (DRI)  | 166         | 62,600  | 1,640          | 634,000   |
| Spongy iron products, not DRI                                      | 33          | 11,100  | 156            | 60,500    |
| Granules for abrasive cleaning and other uses                      | 2           | 2,040   | 14             | 14,800    |
| Powders of alloy steel   | 4           | 6,390   | 37             | 66,300    |
| Other ferrous powders  | 4           | 6,260   | 64             | 58,700    |
| Total DRI, granules, powders                                       | 209         | 88,300  | 1,920          | 835,000   |
| Grand total  | 647         | 275,000 | 7,380          | 3,300,000 |

-- Zero.

<sup>1</sup>Import valuation is on a Customs basis.

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

<sup>3</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 12  
U.S. RAW STEEL PRODUCTION, RAW STEEL CAPABILITY UTILIZATION,  
AND CONTINUOUS CAST STEEL PRODUCTION<sup>1</sup>

| Period    | Raw steel production,<br>thousand metric tons |                      | Raw steel capability<br>utilization, percent |                      | Continuous cast steel<br>production, percent |                      |
|-----------|---|----------------------|--|----------------------|--|----------------------|
|           | Monthly                                       | Year                 | Monthly                                      | Year                 | Monthly                                      | Year                 |
|           |   | to date <sup>2</sup> |  | to date <sup>2</sup> |  | to date <sup>2</sup> |
| 2011:     |   |                      |  |                      |  |                      |
| August    | 7,440   | 57,500               | 75.7   | 74.7                 | 97.9   | 97.6                 |
| September | 7,240   | 64,700               | 76.1   | 74.8                 | 98.1   | 97.6                 |
| October   | 7,160   | 71,900               | 71.9   | 74.5                 | 97.9   | 97.7                 |
| November  | 7,040   | 78,900               | 73.0   | 74.4                 | 98.0   | 97.7                 |
| December  | 7,490   | 86,400               | 75.2   | 74.4                 | 98.0   | 97.8                 |
| 2012:     |   |                      |  |                      |  |                      |
| January   | 7,710   | 7,710                | 77.6   | 77.6                 | 98.4   | 98.4                 |
| February  | 7,550   | 15,300               | 80.7   | 79.1                 | 98.3   | 98.4                 |
| March     | 7,970   | 23,200               | 79.6   | 79.3                 | 98.4   | 98.4                 |
| April     | 7,830   | 31,100               | 80.9   | 79.7                 | 98.4   | 98.4                 |
| May       | 7,920   | 39,000               | 79.2   | 79.6                 | 98.7   | 98.5                 |
| June      | 7,240   | 46,200               | 74.8   | 78.8                 | 98.6   | 98.5                 |
| July      | 7,330   | 53,600               | 73.3   | 78.0                 | 98.8   | 98.5                 |
| August    | 7,630   | 61,200               | 76.3   | 77.8                 | 98.7   | 98.6                 |

<sup>1</sup>Data are rounded to no more than three significant digits.

<sup>2</sup>May include revisions to previously published data.

Source: American Iron and Steel Institute.

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

| Period                    | American Metal Market |        | Scrap Price Bulletin <sup>1</sup> |        |                       |        |
|---------------------------|-----------------------|--------|-----------------------------------|--------|-----------------------|--------|
|                           | No. 1 HMS             |        | No. 1 HMS                         |        | Pig Iron <sup>2</sup> |        |
|                           | \$/lt                 | \$/t   | \$/lt                             | \$/t   | \$/lt                 | \$/t   |
| 2011:                     |                       |        |                                   |        |                       |        |
| August                    | 418.55                | 411.94 | 417.16                            | 410.57 | 558.80                | 549.97 |
| September                 | 416.83                | 410.25 | 416.83                            | 410.25 | 558.80                | 549.97 |
| October                   | 405.95                | 399.54 | 408.30                            | 401.85 | 553.21                | 544.47 |
| November                  | 379.75                | 373.75 | 373.33                            | 367.43 | 497.84                | 489.98 |
| December                  | 396.41                | 390.15 | 339.50                            | 334.14 | 497.84                | 489.98 |
| Average, January–December | 410.99                | 404.49 | 398.20                            | 391.91 | 528.37                | 520.02 |
| 2012:                     |                       |        |                                   |        |                       |        |
| January                   | 424.42                | 417.72 | 428.17                            | 421.41 | 516.13                | 507.98 |
| February                  | 406.16                | 399.75 | 401.17                            | 394.83 | 520.70                | 512.48 |
| March                     | 402.76                | 396.40 | 401.92                            | 395.57 | 520.70                | 512.48 |
| April                     | 395.08                | 388.84 | 399.17                            | 392.87 | 520.70                | 512.48 |
| May                       | 398.55                | 392.26 | 399.17                            | 392.87 | 520.70                | 512.48 |
| June                      | 356.34                | 350.71 | 357.08                            | 351.44 | 520.70                | 512.48 |
| July                      | 315.32                | 310.34 | 316.83                            | 311.83 | 439.42                | 432.48 |
| August                    | 356.84                | 351.20 | 359.59                            | 353.91 | 448.31                | 441.23 |

<sup>1</sup>Formerly Iron Age.

<sup>2</sup>Prices are Brazilian basic pig iron, f.o.b. New Orleans, LA.

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