

# Mineral Industry Surveys

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## IRON AND STEEL SCRAP IN JULY 2005

On a daily average basis in July 2005, estimated consumption of iron and steel scrap was down 6% and net receipts of purchased and home scrap were down 12% compared with those of June 2005, according to the U.S. Geological Survey. Production of home scrap was down 2% and stocks of purchased and home scrap at the end of the month were down 5% compared with those of June 2005. These observations are based upon responses from 58% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent 49% of the total scrap consumption in those sectors, and estimates for nonrespondents to this survey.

On a daily average basis, pig iron production was down 3% and consumption was down 4% compared with that of June 2005. Stocks of pig iron at month's end were up 14% compared with those of June 2005.

Exports of iron and steel scrap for the month of June 2005 decreased 9% from those of May 2005. Canada was the leading country of destination, accounting for 28% of the total tonnage of exports, followed by China with 22% and Turkey with 10% (table 6). Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports, accounting for 15% of the total, followed by New York, NY, with 14% and San Francisco, CA, with 8% (table 7).

Imports of iron and steel scrap for June 2005 decreased 3% compared with those of May 2005. Canada was the leading country of origin, accounting for 84% of the total tonnage of imports, followed by the Netherlands with 11% and Mexico with 4% (table 9). Detroit, MI, was the leading U.S. Customs district for tonnage of imports, accounting for 35% of the total, followed by Seattle, WA, with 23% and Charleston, SC, with 22% (table 10).

The daily average domestic raw steel production for July 2005, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, amounted to 231,000 metric tons (t), down 3% from 237,000 t in June 2005 and down 14% from 268,000 t in July 2004 (table 12). The electric furnace portion of raw steel production for June 2005 was 59%, up from 58% in June 2005 and up from 56% in July 2004.

Raw steel capability utilization (AISI data) in July 2005 was 77%, down from 80% in June 2005 and down from 94% in July 2004 (table 12). Continuous cast steel production in the United States accounted for 97% of total raw steel production in July 2005, up slightly from that in June 2005 and about the same as that in July 2004.

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

(Thousand metric tons)

|  | July 2005                               |   |                           | Year to date <sup>p</sup>               |   |                           |
|--|---|---|---------------------------|---|---|---------------------------|
|  | Integrated steel producers <sup>3</sup> | Electric furnace steel producers <sup>4</sup> | Total for steel producers | Integrated steel producers <sup>3</sup> | Electric furnace steel producers <sup>4</sup> | Total for steel producers |
| <b>Scrap:</b>                              |   |   |                           |   |   |                           |
| Receipts from dealers and other sources    | 926                                     | 2,290   | 3,220                     | 7,540                                   | 16,800  | 24,300                    |
| Receipts from other own company plants     | W                                       | W   | 189                       | W                                       | W   | 1,310                     |
| Production recirculating scrap             | 560                                     | 331   | 892                       | 3,970                                   | 2,330   | 6,300                     |
| Production obsolete scrap                  | 9                                       | 27  | 37                        | 66                                      | 190   | 255                       |
| <b>Consumption (by type of furnace):</b>   |   |   |                           |   |   |                           |
| Blast furnace                              | (5)                                     | --  | (5)                       | (5)                                     | --  | (5)                       |
| Basic oxygen process                       | W                                       | W   | 986                       | W                                       | W   | 7,090                     |
| Electric furnace                           | W                                       | W   | 3,390                     | W                                       | W   | 24,400                    |
| Other (including air furnace) <sup>6</sup> | (5)                                     | --  | (5)                       | (5)                                     | --  | (5)                       |
| Total consumption                          | 1,560                                   | 2,810   | 4,380                     | 11,400                                  | 20,200  | 31,500                    |
| Shipments                                  | 109                                     | 18  | 127                       | 778                                     | 95  | 873                       |
| Stocks end of month                        | 2,330                                   | 2,060   | 4,380                     | XX                                      | XX  | XX                        |
| <b>Pig iron (includes hot metal):</b>      |   |   |                           |   |   |                           |
| Receipts                                   | 467                                     | 180   | 646                       | 3,020                                   | 1,090   | 4,110                     |
| Production                                 | W                                       | W   | 2,410                     | W                                       | W   | 18,100                    |
| <b>Consumption (by type of furnace):</b>   |   |   |                           |   |   |                           |
| Basic oxygen process                       | W                                       | W   | 2,860                     | W                                       | W   | 21,400                    |
| Direct castings <sup>7</sup>               | (5)                                     | (5)   | (5)                       | (5)                                     | (5)   | (5)                       |
| Electric furnace                           | W                                       | W   | (5)                       | W                                       | W   | (5)                       |
| Total consumption                          | 2,750                                   | 108   | 2,860                     | 20,600                                  | 833   | 21,400                    |
| Shipments                                  | (8)                                     | (8)   | (8)                       | (8)                                     | (8)   | (8)                       |
| Stocks end of month                        | W                                       | W   | 816                       | XX                                      | XX  | XX                        |
| <b>Direct-reduced iron:<sup>9</sup></b>    |   |   |                           |   |   |                           |
| Receipts                                   | 97                                      | 38  | 135                       | 765                                     | 283   | 1,050                     |
| Production                                 | W                                       | W   | W                         | --                                      | --  | --                        |
| Total consumption                          | 106                                     | 24  | 130                       | 799                                     | 215   | 1,020                     |
| Shipments                                  | --                                      | --  | --                        | --                                      | --  | --                        |
| Stocks end of month                        | 256                                     | 75  | 331                       | XX                                      | XX  | XX                        |

<sup>p</sup>Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total for steel producers" and/or "Total consumption." XX Not applicable. -- 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. July 2005 data are based on returns from 58% of monthly respondents, representing 49% of scrap consumption during this month, and estimates for nonrespondents of this survey.

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

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

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

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

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

<sup>8</sup>Withheld to avoid disclosing company proprietary data.

<sup>9</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  | July 2005  |  |  | Year to date <sup>p</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>3</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>3</sup> |
| Carbon steel:                                   |  |  |  |                           |  |  |  |
| Low-phosphorus plate and punchings              | 25   | W  | 56   | 129                       | 175  | W  | 385  |
| Cut structural and plate                        | 305  | 55   | 394  | 277                       | 2,400  | 383  | 2,790  |
| No. 1 heavy melting steel                       | 339  | 174  | 520  | 443                       | 2,430  | 1,220  | 3,760  |
| No. 2 heavy melting steel                       | 416  | 31   | 486  | 439                       | 3,280  | 218  | 3,540  |
| No. 1 and electric furnace bundles              | 304  | W  | 461  | 294                       | 2,400  | W  | 3,280  |
| No. 2 and all other bundles                     | 62   | W  | 67   | 43                        | 465  | W  | 493  |
| Electric furnace 1 foot and under (not bundles) | 7  | W  | W  | W                         | 45   | W  | W  |
| Railroad rails                                  | 16   | W  | 19   | 21                        | 177  | W  | 208  |
| Turnings and borings                            | 157  | 3  | 170  | 93                        | 1,080  | 28   | 1,200  |
| Slag scrap                                      | 71   | 123  | 159  | 173                       | 466  | 833  | 1,120  |
| Shredded and fragmented                         | 692  | W  | 855  | 628                       | 5,300  | W  | 6,290  |
| No. 1 busheling                                 | 401  | 18   | 439  | 354                       | 2,940  | 121  | 3,080  |
| Steel cans (post consumer)                      | 21   | W  | 25   | W                         | 150  | W  | 181  |
| All other carbon steel scrap                    | 110  | 137  | 258  | 293                       | 883  | 963  | 1,890  |
| Stainless steel scrap                           | 54   | 18   | 81   | 35                        | 419  | 126  | 607  |
| Alloy steel scrap                               | 11   | 40   | 51   | 28                        | 74   | 301  | 367  |
| Ingot mold and stool scrap                      | W  | 7  | 5  | 16                        | W  | 47   | 34   |
| Machinery and cupola cast iron                  | W  | W  | W  | W                         | W  | W  | W  |
| Cast iron borings                               | 24   | W  | 28   | 26                        | 158  | W  | 159  |
| Motor blocks                                    | W  | --   | W  | W                         | W  | --   | W  |
| Other iron scrap                                | 50   | 26   | 98   | W                         | 343  | 226  | 654  |
| Other mixed scrap                               | 152  | 37   | 189  | 649                       | 1,150  | 259  | 1,410  |
| Total   | 3,220  | 892  | 4,380  | 4,380                     | 24,300   | 6,300  | 31,500   |

<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>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  | July 2005   |  |  | Year to date <sup>p</sup>  |  |  |
|---|---|--|--|--|--|--|
|   | Receipts of scrap from brokers, and other outside sources | Production of home scrap (recirculating scrap resulting from current operations) | Consumption of purchased and home scrap <sup>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>3</sup> |
| <b>Mid-Atlantic and New England:</b>                    |   |  |  |  |  |  |
| New Jersey, New York, Pennsylvania                      | 397   | 166  | 611  | 2,780  | 1,170  | 4,250  |
| <b>North Central:</b>                                   |   |  |  |  |  |  |
| Illinois and Indiana                                    | 327   | 287  | 585  | 2,330  | 2,010  | 4,130  |
| Iowa, Minnesota, Nebraska, Wisconsin                    | 238   | 5  | 237  | 1,710  | 35   | 1,670  |
| Michigan  | 143   | 58   | 134  | 1,070  | 407  | 929  |
| Ohio  | 427   | 115  | 604  | 3,350  | 901  | 4,260  |
| <b>Total</b>  | <b>1,140</b>  | <b>466</b>   | <b>1,560</b>   | <b>8,450</b>   | <b>3,350</b>   | <b>11,000</b>  |
| <b>South Atlantic:</b>                                  |   |  |  |  |  |  |
| Delaware, Maryland, Virginia, West Virginia             | 190   | 57   | 278  | 1,420  | 400  | 1,990  |
| Florida, Georgia, North Carolina, South Carolina        | 203   | 19   | 284  | 1,950  | 134  | 2,310  |
| <b>Total</b>  | <b>393</b>  | <b>76</b>  | <b>562</b>   | <b>3,370</b>   | <b>534</b>   | <b>4,300</b>   |
| <b>South Central:</b>                                   |   |  |  |  |  |  |
| Alabama, Kentucky, Mississippi, Tennessee               | 369   | 54   | 487  | 3,130  | 355  | 3,700  |
| Arkansas, Louisiana, Oklahoma, Texas                    | 582   | 72   | 772  | 4,240  | 480  | 5,490  |
| <b>Total</b>  | <b>951</b>  | <b>126</b>   | <b>1,260</b>   | <b>7,370</b>   | <b>835</b>   | <b>9,190</b>   |
| <b>Mountain and Pacific:</b>                            |   |  |  |  |  |  |
| Arizona, California, Colorado, Oregon, Utah, Washington | 340   | 57   | 386  | 2,360  | 404  | 2,790  |
| <b>Grand total</b>                                      | <b>3,220</b>  | <b>892</b>   | <b>4,380</b>   | <b>24,300</b>  | <b>6,300</b>   | <b>31,500</b>  |

<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>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   | July 2005                          |                  |                   |                            | Year to date <sup>P</sup>          |                  |                   |                            |
|--|------------------------------------|------------------|-------------------|----------------------------|------------------------------------|------------------|-------------------|----------------------------|
|  | Mid-Atlantic<br>and<br>New England | North<br>Central | South<br>Atlantic | Mountain<br>and<br>Pacific | Mid-Atlantic<br>and<br>New England | North<br>Central | South<br>Atlantic | Mountain<br>and<br>Pacific |
| Carbon steel:                                      |                                    |                  |                   |                            |                                    |                  |                   |                            |
| Low-phosphorus plate and<br>punchings              | 14                                 | 4                | W                 | 3                          | 99                                 | 31               | W                 | 13                         |
| Cut structural and plate                           | 43                                 | 119              | 66                | 26                         | 307                                | 808              | 608               | 179                        |
| No. 1 heavy melting steel                          | 40                                 | 100              | 31                | 17                         | 282                                | 734              | 243               | 125                        |
| No. 2 heavy melting steel                          | 8                                  | 156              | 52                | 47                         | 53                                 | 1,320            | 430               | 331                        |
| No. 1 and electric furnace<br>bundles              | 39                                 | 198              | 17                | 43                         | 258                                | 1,590            | 114               | 39                         |
| No. 2 and all other bundles                        | 7                                  | 28               | 3                 | 8                          | 51                                 | 210              | 35                | 52                         |
| Electric furnace 1 foot and<br>under (not bundles) | --                                 | --               | --                | 7                          | --                                 | (5)              | --                | --                         |
| Railroad rails                                     | W                                  | W                | --                | W                          | W                                  | W                | 49                | 68                         |
| Turnings and borings                               | 26                                 | 46               | 15                | 63                         | 181                                | 304              | 108               | 434                        |
| Slag scrap   | 18                                 | 24               | 8                 | 20                         | 129                                | 160              | 53                | 117                        |
| Shredded and fragmented                            | 46                                 | 166              | 141               | 246                        | 319                                | 1,130            | 1,290             | 586                        |
| No. 1 busheling                                    | 55                                 | 170              | 21                | 153                        | 367                                | 1,230            | 153               | 16                         |
| Steel cans (post consumer)                         | 3                                  | W                | W                 | W                          | 25                                 | W                | W                 | W                          |
| All other carbon steel scrap                       | 42                                 | 54               | 4                 | 9                          | 270                                | 421              | 30                | 154                        |
| Stainless steel scrap                              | 41                                 | 12               | --                | --                         | 333                                | 86               | --                | (5)                        |
| Alloy steel scrap                                  | 7                                  | W                | --                | W                          | 47                                 | W                | --                | W                          |
| Ingot mold and stool scrap                         | (5)                                | --               | --                | --                         | 1                                  | --               | --                | --                         |
| Machinery and cupola cast iron                     | --                                 | --               | (5)               | W                          | --                                 | --               | 2                 | W                          |
| Cast iron borings                                  | W                                  | W                | W                 | 7                          | W                                  | W                | W                 | 46                         |
| Motor blocks                                       | --                                 | --               | W                 | --                         | --                                 | --               | W                 | --                         |
| Other iron scrap                                   | W                                  | 16               | W                 | 1                          | W                                  | 114              | W                 | 7                          |
| Other mixed scrap                                  | W                                  | W                | 2                 | 16                         | W                                  | W                | 21                | 104                        |
| Total  | 397                                | 1,140            | 393               | 951                        | 2,780                              | 8,450            | 3,370             | 7,370                      |

<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>Less than 1/2 unit.

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

| Item   | July 2005                          |       |                  |     |                   |     | Year to date <sup>P</sup>  |        |                                    |       |                  |       |                   |  |                            |  |
|--|------------------------------------|-------|------------------|-----|-------------------|-----|----------------------------|--------|------------------------------------|-------|------------------|-------|-------------------|--|----------------------------|--|
|  | Mid-Atlantic<br>and<br>New England |       | North<br>Central |     | South<br>Atlantic |     | Mountain<br>and<br>Pacific |        | Mid-Atlantic<br>and<br>New England |       | North<br>Central |       | South<br>Atlantic |  | Mountain<br>and<br>Pacific |  |
|  |                                    |       |                  |     |                   |     |                            |        |                                    |       |                  |       |                   |  |                            |  |
| Carbon steel:                                      |                                    |       |                  |     |                   |     |                            |        |                                    |       |                  |       |                   |  |                            |  |
| Low-phosphorus plate and<br>punchings              | 14                                 | 33    | W                | 3   | W                 | 3   | 101                        | 230    | W                                  | 18    | W                | 18    |                   |  |                            |  |
| Cut structural and plate                           | 67                                 | 119   | 104              | 24  | 79                | 24  | 466                        | 812    | 780                                | 563   | 780              | 170   |                   |  |                            |  |
| No. 1 heavy melting steel                          | 81                                 | 161   | 36               | 46  | 196               | 46  | 571                        | 1,130  | 291                                | 1,390 | 291              | 375   |                   |  |                            |  |
| No. 2 heavy melting steel                          | 14                                 | 173   | 65               | 48  | 185               | 48  | 100                        | 1,280  | 491                                | 1,330 | 491              | 339   |                   |  |                            |  |
| No. 1 and electric furnace<br>bundles              | 46                                 | 322   | 19               | 7   | 67                | 7   | 302                        | 2,310  | 126                                | 493   | 126              | 42    |                   |  |                            |  |
| No. 2 and all other bundles                        | 9                                  | 30    | 3                | 8   | 17                | 8   | 60                         | 217    | 32                                 | 127   | 32               | 56    |                   |  |                            |  |
| Electric furnace 1 foot and<br>under (not bundles) | --                                 | 4     | --               | --  | 9                 | --  | --                         | 23     | --                                 | 53    | --               | --    |                   |  |                            |  |
| Railroad rails                                     | W                                  | W     | --               | W   | 8                 | W   | 32                         | W      | 50                                 | 77    | W                | W     |                   |  |                            |  |
| Turnings and borings                               | 30                                 | 56    | 19               | 7   | 58                | 7   | 213                        | 377    | 113                                | 440   | 113              | 56    |                   |  |                            |  |
| Slag scrap   | 30                                 | 63    | 19               | W   | 47                | W   | 204                        | 450    | 130                                | 333   | 130              | W     |                   |  |                            |  |
| Shredded and fragmented                            | 79                                 | 157   | 190              | 93  | 336               | 93  | 553                        | 1,100  | 1,530                              | 2,490 | 1,530            | 619   |                   |  |                            |  |
| No. 1 busheling                                    | 65                                 | 171   | 22               | 3   | 177               | 3   | 413                        | 1,210  | 159                                | 1,270 | 159              | 22    |                   |  |                            |  |
| Steel cans (post consumer)                         | 5                                  | W     | W                | W   | W                 | W   | 39                         | W      | W                                  | W     | W                | W     |                   |  |                            |  |
| All other carbon steel scrap                       | 66                                 | 112   | 37               | W   | 40                | W   | 457                        | 780    | 270                                | 356   | 270              | W     |                   |  |                            |  |
| Stainless steel scrap                              | 60                                 | 21    | --               | --  | --                | --  | 466                        | 141    | --                                 | (4)   | --               | --    |                   |  |                            |  |
| Alloy steel scrap                                  | 17                                 | 32    | --               | --  | W                 | --  | 118                        | 234    | --                                 | W     | --               | --    |                   |  |                            |  |
| Ingot mold and stool scrap                         | 3                                  | 1     | --               | --  | 1                 | --  | 24                         | 7      | --                                 | 4     | --               | --    |                   |  |                            |  |
| Machinery and cupola cast iron                     | --                                 | --    | 1                | --  | W                 | --  | --                         | --     | --                                 | W     | --               | --    |                   |  |                            |  |
| Cast iron borings                                  | W                                  | W     | W                | 2   | 7                 | 2   | W                          | W      | W                                  | 46    | W                | 5     |                   |  |                            |  |
| Motor blocks                                       | --                                 | --    | W                | --  | --                | --  | --                         | --     | W                                  | --    | --               | --    |                   |  |                            |  |
| Other iron scrap                                   | W                                  | 42    | W                | W   | 3                 | W   | W                          | 268    | W                                  | 19    | W                | W     |                   |  |                            |  |
| Other mixed scrap                                  | W                                  | 30    | 3                | W   | 16                | W   | W                          | 208    | 30                                 | 123   | 30               | W     |                   |  |                            |  |
| Total  | 611                                | 1,560 | 562              | 386 | 1,260             | 386 | 4,250                      | 11,000 | 4,300                              | 9,190 | 4,300            | 2,790 |                   |  |                            |  |

<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>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>Less than 1/2 unit.

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                      | June 2005 |         | Year to date |           |
|---|-----------|---------|--------------|-----------|
|   | Quantity  | Value   | Quantity     | Value     |
| <b>North America and South America:</b> |           |         |              |           |
| Bahamas, The                            | (3)       | 43      | 2            | 360       |
| Belize                                  | (3)       | 14      | (3)          | 242       |
| Canada                                  | 376       | 22,600  | 1,400        | 143,000   |
| Colombia                                | 2         | 203     | 26           | 6,090     |
| Guatemala                               | (3)       | 21      | (3)          | 60        |
| Honduras                                | (3)       | 21      | (3)          | 35        |
| Jamaica                                 | (3)       | 37      | (3)          | 131       |
| Mexico                                  | 119       | 23,100  | 690          | 151,000   |
| Peru                                    | 12        | 2,820   | 44           | 10,000    |
| Suriname                                | (3)       | 34      | 1            | 222       |
| Trinidad and Tobago                     | (3)       | 8       | 2            | 678       |
| Venezuela                               | (3)       | 63      | 4            | 779       |
| Other                                   | 1         | 6       | 13           | 2,630     |
| Total                                   | 510       | 49,000  | 2,180        | 315,000   |
| <b>Africa, Europe, Middle East:</b>     |           |         |              |           |
| Belgium                                 | 2         | 333     | 9            | 1,760     |
| Egypt                                   | 32        | 6,850   | 55           | 13,000    |
| France                                  | 1         | 234     | 3            | 1,080     |
| Finland                                 | 7         | 11,700  | 39           | 61,400    |
| Germany                                 | (3)       | 85      | 5            | 1,650     |
| Ireland                                 | (3)       | 51      | 1            | 453       |
| Israel                                  | (3)       | 51      | (3)          | 141       |
| Italy                                   | 40        | 10,100  | 78           | 20,000    |
| Kenya                                   | 6         | 993     | 40           | 8,490     |
| Kuwait                                  | (3)       | 34      | (3)          | 34        |
| Netherlands                             | 3         | 1,090   | 9            | 4,610     |
| New Caledonia                           | 1         | 146     | 2            | 290       |
| Qatar                                   | (3)       | 3       | 31           | 6,550     |
| Sweden                                  | 1         | 1,450   | 4            | 4,210     |
| Turkey                                  | 141       | 27,400  | 705          | 148,000   |
| United Arab Emirates                    | 1         | 241     | 2            | 356       |
| United Kingdom                          | 1         | 796     | 6            | 3,240     |
| Other                                   | (3)       | 17      | 54           | 11,300    |
| Total                                   | 238       | 61,600  | 1,040        | 287,000   |
| <b>Asia, Australia, Oceania:</b>        |           |         |              |           |
| Bangladesh                              | 2         | 567     | 11           | 2,580     |
| China                                   | 299       | 104,000 | 1,580        | 559,000   |
| Hong Kong                               | 3         | 1,410   | 20           | 12,900    |
| India                                   | 45        | 13,000  | 308          | 98,000    |
| Indonesia                               | 42        | 10,900  | 155          | 38,300    |
| Japan                                   | 6         | 3,070   | 22           | 14,400    |
| Korea, Republic of                      | 103       | 29,500  | 659          | 186,000   |
| Malaysia                                | 66        | 17,800  | 286          | 71,000    |
| Pakistan                                | (3)       | 242     | 1            | 759       |
| Singapore                               | (3)       | 34      | 74           | 1,860     |
| Taiwan                                  | 9         | 9,850   | 110          | 71,300    |
| Thailand                                | 40        | 9,600   | 306          | 69,400    |
| Vietnam                                 | 3         | 1,090   | 8            | 2,650     |
| Other                                   | 1         | 70      | (3)          | 141       |
| Total                                   | 618       | 201,000 | 3,540        | 1,130,000 |
| Grand total                             | 1,370     | 312,000 | 6,760        | 1,730,000 |

<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>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<sup>1,2,3</sup>

(Thousand metric tons and thousand dollars)

| Region and customs district   | June 2005    |                | Year to date |                  |
|---|--------------|----------------|--------------|------------------|
|   | Quantity     | Value          | Quantity     | Value            |
| <b>Canadian-U.S. Border:</b>  |              |                |              |                  |
| Buffalo, NY   | 8            | 2,900          | 71           | 20,800           |
| Chicago, IL   | (4)          | 67             | 2            | 932              |
| Detroit, MI   | 45           | 8,220          | 227          | 42,700           |
| Duluth, MN  | 27           | 658            | 38           | 3,400            |
| Great Falls, MT   | 5            | 655            | 18           | 2,910            |
| Ogdensburg, NY  | 3            | 936            | 38           | 8,170            |
| Pembina, ND   | 56           | 7,110          | 326          | 48,900           |
| Other <sup>5</sup>  | (4)          | 41             | 6            | 1,560            |
| <b>Total</b>  | <b>144</b>   | <b>20,600</b>  | <b>725</b>   | <b>129,000</b>   |
| <b>East Coast:</b>  |              |                |              |                  |
| Baltimore, MD   | 3            | 2,100          | 26           | 10,500           |
| Boston, MA  | 89           | 19,600         | 346          | 84,200           |
| Charleston, SC  | 2            | 1,250          | 25           | 14,700           |
| Miami, FL   | 3            | 3,260          | 25           | 17,700           |
| New York, NY  | 190          | 44,400         | 973          | 266,000          |
| Norfolk, VA   | 11           | 4,350          | 60           | 26,800           |
| Philadelphia, PA  | 66           | 12,400         | 296          | 64,600           |
| Providence, RI  | 108          | 25,400         | 108          | 25,400           |
| Portland, ME  | (4)          | 152            | 104          | 26,000           |
| Savannah, GA  | 9            | 4,830          | 34           | 20,500           |
| St. Albans, VT  | 2            | 534            | 27           | 6,060            |
| Wilmington, NC  | 3            | 968            | 14           | 4,330            |
| Other <sup>5</sup>  | 231          | 3,120          | 643          | 15,000           |
| <b>Total</b>  | <b>717</b>   | <b>122,000</b> | <b>2,680</b> | <b>582,000</b>   |
| <b>Gulf Coast and Mexican-U.S. Border (includes Caribbean territories):</b> |              |                |              |                  |
| El Paso, TX   | 4            | 938            | 5            | 1,180            |
| Houston-Galveston, TX   | 10           | 2,800          | 58           | 33,900           |
| Laredo, TX  | 47           | 8,960          | 328          | 69,800           |
| Mobile, AL  | 3            | 951            | 6            | 4,600            |
| New Orleans, LA   | 8            | 11,800         | 145          | 67,800           |
| San Juan, PR  | 3            | 537            | 32           | 6,620            |
| Tampa, FL   | 28           | 6,220          | 153          | 34,300           |
| Other   | (4)          | 10             | 1            | 232              |
| <b>Total</b>  | <b>103</b>   | <b>32,300</b>  | <b>727</b>   | <b>219,000</b>   |
| <b>West Coast and Hawaii:</b>   |              |                |              |                  |
| Columbia-Snake, OR  | 5            | 1,410          | 165          | 43,400           |
| Honolulu, HI and Anchorage, AK  | 30           | 8,090          | 111          | 27,600           |
| Los Angeles, CA   | 203          | 75,600         | 1,310        | 424,000          |
| San Diego, CA   | 6            | 1,070          | 52           | 8,250            |
| San Francisco, CA   | 112          | 34,800         | 577          | 171,000          |
| Seattle, WA   | 46           | 15,800         | 412          | 126,000          |
| <b>Total</b>  | <b>402</b>   | <b>137,000</b> | <b>2,630</b> | <b>800,000</b>   |
| <b>Grand total</b>  | <b>1,370</b> | <b>312,000</b> | <b>6,760</b> | <b>1,730,000</b> |

<sup>1</sup>Re-export activity for June 2005 amounted to 3,030 metric tons valued at \$768,000.

<sup>2</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>3</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>4</sup>Less than 1/2 unit.

<sup>5</sup>Includes Code 70, which is for low-valued exports from the United States to Canada.

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   | June 2005 |         | Year to date |           |
|--|-----------|---------|--------------|-----------|
|  | Quantity  | Value   | Quantity     | Value     |
| No. 1 heavy melting steel  | 288       | 59,800  | 1,480        | 311,000   |
| No. 2 heavy melting steel  | 28        | 5,810   | 179          | 37,000    |
| No. 1 bundles  | 32        | 3,590   | 173          | 17,800    |
| No. 2 bundles  | 34        | 8,900   | 71           | 17,200    |
| Shredded steel scrap   | 428       | 96,900  | 2,100        | 489,000   |
| Borings, shovelings and turnings                                   | 20        | 1,800   | 119          | 13,600    |
| Cut plate and structural   | 28        | 6,210   | 176          | 42,000    |
| Tinned iron or steel   | 7         | 1,690   | 34           | 9,720     |
| Remelting scrap ingots   | 1         | 736     | 4            | 3,610     |
| Cast iron  | 72        | 15,100  | 519          | 107,000   |
| Other iron and steel   | 86        | 23,800  | 544          | 151,000   |
| Total carbon steel and cast iron                                   | 1,020     | 224,000 | 5,400        | 1,200,000 |
| Stainless steel  | 39        | 50,000  | 296          | 327,000   |
| Other alloy steel  | 303       | 37,700  | 1,060        | 205,000   |
| Total stainless and alloy steel                                    | 342       | 87,700  | 1,360        | 531,000   |
| Total carbon, stainless, alloy steel and cast iron                 | 1,370     | 312,000 | 6,760        | 1,730,000 |
| Ships, boats, and other vessels for<br>breaking up (for scrapping) | --        | --      | 2            | 328       |
| Used rails for rerolling and other uses                            | 6         | 1,930   | 19           | 9,250     |
| Total scrap exports  | 1,370     | 314,000 | 6,780        | 1,740,000 |
| Exports of manufactured ferrous products:                          |           |         |              |           |
| Pig iron < or = 0.5% phosphorus                                    | (3)       | 50      | 6            | 2,180     |
| Pig iron > 0.5% phosphorus   | --        | --      | 21           | 1,850     |
| Alloy pig iron   | (3)       | 8       | 5            | 950       |
| Total pig iron   | (3)       | 58      | 32           | 4,970     |
| Direct-reduced iron (DRI)  | --        | --      | (3)          | 16        |
| Spongy iron products, not DRI                                      | 3         | 958     | 4            | 1,950     |
| Granules for abrasive cleaning and other uses                      | 2         | 1,820   | 13           | 10,300    |
| Powders of alloy steel   | 1         | 2,790   | 8            | 14,000    |
| Other ferrous powders  | 4         | 6,110   | 25           | 37,400    |
| Total DRI, granules, powders                                       | 11        | 11,700  | 50           | 63,600    |
| Grand total  | 1,380     | 326,000 | 6,860        | 1,810,000 |

-- 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 1/2 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              | June 2005 |        | Year to date |         |
|----------------------|-----------|--------|--------------|---------|
|                      | Quantity  | Value  | Quantity     | Value   |
| Argentina            | --        | --     | (3)          | 201     |
| Bahamas, The         | (3)       | 34     | 1            | 196     |
| Brazil               | --        | --     | 1            | 318     |
| Canada               | 247       | 41,000 | 1,340        | 300,000 |
| Chile                | --        | --     | (3)          | 271     |
| Dominican Republic   | --        | --     | 13           | 2,680   |
| Egypt                | (3)       | 136    | 1            | 442     |
| El Salvador          | (3)       | 49     | (3)          | 152     |
| France               | --        | --     | (3)          | 331     |
| Germany              | (3)       | 17     | 1            | 70      |
| Guatemala            | (3)       | 40     | (3)          | 350     |
| Hong Kong            | (3)       | 45     | (3)          | 45      |
| Japan                | (3)       | 84     | 1            | 1,020   |
| Korea, Republic of   | (3)       | 17     | (3)          | 50      |
| Malaysia             | --        | --     | 1            | 175     |
| Mexico               | 11        | 7,490  | 67           | 30,800  |
| Netherlands          | 32        | 9,530  | 157          | 55,400  |
| Panama               | (3)       | 48     | (3)          | 117     |
| Russia               | (3)       | 123    | 35           | 10,500  |
| Singapore            | (3)       | 9      | (3)          | 31      |
| Sweden               | --        | --     | 91           | 26,400  |
| Trinidad and Tobago  | (3)       | 38     | 1            | 645     |
| United Arab Emirates | (3)       | 38     | (3)          | 81      |
| United Kingdom       | 1         | 85     | 168          | 48,700  |
| Other                | 2         | 7      | 8            | 895     |
| Total                | 293       | 58,800 | 1,880        | 479,000 |

-- 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>Less than 1/2 unit.

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 | June 2005 |        | Year to date |         |
|------------------|-----------|--------|--------------|---------|
|                  | Quantity  | Value  | Quantity     | Value   |
| Buffalo, NY      | 28        | 8,940  | 220          | 88,400  |
| Charleston, SC   | 65        | 15,800 | 475          | 144,000 |
| Cleveland, OH    | 5         | 40     | 5            | 608     |
| Detroit, MI      | 101       | 13,800 | 681          | 138,000 |
| Duluth, MN       | 3         | 532    | 24           | 5,980   |
| Galveston, TX    | 3         | 3,920  | 12           | 9,610   |
| Laredo, TX       | 2         | 1,960  | 20           | 13,400  |
| Pembina, ND      | 4         | 1,130  | 25           | 9,180   |
| San Diego, CA    | 4         | 1,040  | 17           | 4,840   |
| Seattle, WA      | 68        | 8,770  | 301          | 38,100  |
| Other            | 8         | 2,860  | 101          | 27,600  |
| Total            | 293       | 58,800 | 1,880        | 479,000 |

<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.

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   | June 2005 |         | Year to date |           |
|--|-----------|---------|--------------|-----------|
|  | Quantity  | Value   | Quantity     | Value     |
| No. 1 heavy melting steel  | 5         | 510     | 28           | 3,620     |
| No. 2 heavy melting steel  | 3         | 361     | 20           | 3,310     |
| No. 1 bundles  | 68        | 12,900  | 446          | 122,000   |
| No. 2 bundles  | (3)       | 11      | 8            | 2,730     |
| Shredded steel scrap   | 64        | 11,800  | 447          | 103,000   |
| Borings, shovelings and turnings                                   | 10        | 588     | 49           | 4,130     |
| Cut plate and structural   | 12        | 1,400   | 69           | 9,890     |
| Tinned iron or steel   | 2         | 252     | 10           | 1,550     |
| Remelting scrap ingots   | (3)       | 213     | 1            | 506       |
| Cast iron  | 29        | 3,220   | 164          | 28,900    |
| Other iron and steel   | 56        | 8,420   | 395          | 84,100    |
| Total carbon steel and cast iron                                   | 248       | 39,600  | 1,640        | 364,000   |
| Stainless steel  | 10        | 12,300  | 67           | 77,400    |
| Other alloy steel  | 34        | 6,830   | 176          | 38,200    |
| Total stainless and alloy steel                                    | 44        | 19,200  | 243          | 116,000   |
| Total carbon, stainless, alloy steel and cast iron                 | 293       | 58,800  | 1,880        | 479,000   |
| Ships, boats, and other vessels for<br>breaking up (for scrapping) | --        | --      | --           | --        |
| Used rails for rerolling and other uses                            | 20        | 5,500   | 89           | 25,800    |
| Total scrap imports  | 313       | 64,300  | 1,970        | 505,000   |
| Imports of manufactured ferrous products:                          |           |         |              |           |
| Pig iron < or = 0.5% phosphorus                                    | 404       | 111,000 | 3,470        | 965,000   |
| Pig iron > 0.5% phosphorus   | 31        | 1,620   | 53           | 11,100    |
| Alloy pig iron   | --        | --      | --           | --        |
| Total pig iron   | 435       | 112,000 | 3,530        | 976,000   |
| Direct-reduced iron (DRI)  | 115       | 25,600  | 1,020        | 217,000   |
| Spongy iron products, not DRI                                      | 56        | 16,700  | 277          | 84,900    |
| Granules for abrasive cleaning and other uses                      | 1         | 1,210   | 8            | 6,180     |
| Powders of alloy steel   | 5         | 6,650   | 29           | 37,100    |
| Other ferrous powders  | 6         | 6,970   | 63           | 39,300    |
| Total DRI, granules, powders                                       | 183       | 57,200  | 1,400        | 384,000   |
| Grand total  | 931       | 234,000 | 6,890        | 1,870,000 |

-- 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 1/2 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<br>to date <sup>2</sup> | Monthly                                      | Year<br>to date | Monthly                                      | Year<br>to date |
|           |   |                              |  |                 |  |                 |
| 2004:     |   |                              |  |                 |  |                 |
| July      | 8,310   | 57,100                       | 93.5   | 92.7            | 97.4   | 97.1            |
| August    | 8,450   | 65,600                       | 95.0   | 93.0            | 94.4   | 96.3            |
| September | 8,380   | 74,000                       | 97.3   | 93.5            | 97.3   | 97.1            |
| October   | 8,660   | 82,600                       | 97.5   | 93.9            | 95.9   | 96.0            |
| November  | 8,160   | 90,700                       | 94.8   | 93.9            | 97.2   | 97.2            |
| December  | 8,130   | 98,900                       | 91.5   | 93.8            | 96.7   | 97.1            |
| 2005:     |   |                              |  |                 |  |                 |
| January   | 8,280   | 8,280                        | 90.9   | 90.9            | 96.6   | 96.6            |
| February  | 7,640   | 15,900                       | 92.9   | 91.9            | 96.7   | 96.7            |
| March     | 8,190   | 24,100                       | 88.4   | 89.7            | 96.7   | 96.7            |
| April     | 7,950   | 32,000                       | 89.2   | 89.5            | 96.7   | 96.7            |
| May       | 7,750   | 39,800                       | 84.2   | 88.4            | 96.4   | 96.6            |
| June      | 7,110   | 46,900                       | 79.8   | 87.0            | 96.2   | 96.5            |
| July      | 7,160   | 54,000                       | 77.1   | 85.5            | 97.3   | 96.7            |

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

<sup>2</sup>Year-to-date may include revisions for previous months.

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 <sup>1</sup> |        |
|-----------|------------------------------------|--------|-----------------------|--------|-----------------------------------|--------|
|           | \$/lt                              | \$/t   | \$/lt                 | \$/t   | \$/lt                             | \$/t   |
|           |                                    |        |                       |        |                                   |        |
| 2004:     |                                    |        |                       |        |                                   |        |
| January   | 177.47                             | 174.67 | 179.84                | 176.99 | 240.78                            | 236.98 |
| February  | 224.09                             | 220.55 | 222.50                | 218.99 | 240.78                            | 236.98 |
| March     | 250.05                             | 246.10 | 238.13                | 234.37 | 341.90                            | 336.50 |
| April     | 208.76                             | 205.46 | 201.33                | 198.15 | 344.19                            | 338.75 |
| May       | 170.55                             | 167.86 | 161.25                | 158.70 | 332.76                            | 327.50 |
| June      | 165.00                             | 162.39 | 160.33                | 157.80 | 300.24                            | 295.50 |
| July      | 215.30                             | 211.90 | 214.96                | 211.56 | 328.18                            | 323.00 |
| August    | 240.38                             | 236.58 | 225.96                | 222.40 | 398.80                            | 392.50 |
| September | 205.17                             | 201.93 | 198.78                | 195.64 | 353.08                            | 347.50 |
| October   | 237.37                             | 233.62 | 235.83                | 232.11 | 372.13                            | 366.25 |
| November  | 251.67                             | 247.70 | 250.67                | 246.71 | 390.67                            | 384.50 |
| December  | 218.38                             | 214.93 | 209.39                | 206.08 | 370.86                            | 365.00 |
| Average   | 213.68                             | 210.31 | 208.25                | 204.96 | 334.53                            | 329.25 |
| 2005:     |                                    |        |                       |        |                                   |        |
| January   | 205.02                             | 201.78 | 197.67                | 194.54 | 337.84                            | 332.50 |
| February  | 199.32                             | 196.17 | 193.59                | 190.53 | 317.52                            | 312.50 |
| March     | 197.81                             | 194.69 | 196.17                | 193.07 | 320.04                            | 314.99 |
| April     | 217.64                             | 214.20 | 213.54                | 210.17 | 327.66                            | 322.49 |
| May       | 180.19                             | 177.34 | 174.30                | 171.55 | 327.66                            | 322.49 |
| June      | 124.92                             | 122.95 | 120.83                | 118.92 | 308.61                            | 303.74 |
| July      | 137.58                             | 135.41 | 135.21                | 133.07 | 248.29                            | 244.36 |

<sup>1</sup>Prices are Brazilian basic pig iron, f.o.b. New Orleans, LA.

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