



MINERAL INDUSTRY SURVEYS

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BUREAU OF MINES
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Stewart L. Udall, Secretary

Walter R. Hibbard, Jr., Director

Iron Ore, Monthly

IRON ORE IN JULY 1967

Domestic iron ore production in July was down by 8 percent from July 1966, and monthend mine stocks were up by 1.1 million tons over the same time last year, according to the Bureau of Mines, U.S. Department of the Interior. Consuming plant stocks were up also by 4.7 million tons over July 1966.

Consideration of a pelletizing plant near Black River Falls, Wisconsin, to utilize taconite deposits was reported. The plant, to be installed by a subsidiary of Inland Steel Co., would have a 750,000-ton annual capacity.

Bids on design for a new type of self-unloading ore carrier for Great Lakes use were requested by U.S. Steel's Pittsburgh Steamship Division. Capacity would be about 38,000 tons of pellets.

The Mt. Newman iron ore project in Western Australia, in which AMAX Iron Ore Corp. has a 25 percent interest, will be served by a 265-mile railroad, contract for which has been let to Morrison Knudsen-Mannix-Oman, an American-Canadian group. Cost is estimated at \$50 million.

A \$500,000 pilot plant to test a new pelletizing process is being placed in operation by the Grängesberg Co., at its Strässa Mine. The experimental process uses a cold method of cementing rather than the conventional hot method at a cost reported to be only one-fifth as much.

Table 1.-Production and shipments of iron ore in the United States, by districts
(Exclusive of ore containing 5 percent or more manganese)
(Thousand long tons)

| | Lake Superior | South- eastern | North- eastern | Western | Byproduct ore | Total |
|-------------------|------------------|-------------------|-------------------|---------|------------------|--------|
| Production: | | | | | | |
| 1966 ----- | 68,602 | 2,028 | 4,652 | 14,074 | 791 | 90,147 |
| 1967: | | | | | | |
| First Quarter---- | 9,066 | 533 | 1,179 | 3,430 | 190 | 14,398 |
| Second Quarter -- | 19,511 | 535 | 1,082 | 3,410 | 197 | 24,735 |
| July ----- | 8,029 | 156 | 221 | 1,061 | 59 | 9,526 |
| Shipments: | | | | | | |
| 1966 ----- | 69,510 | 1,955 | 4,511 | 14,065 | 783 | 90,824 |
| 1967: | | | | | | |
| First Quarter --- | 66 | 537 | 1,042 | 3,614 | 160 | 5,419 |
| Second Quarter -- | 22,465 | 548 | 1,027 | 3,403 | 168 | 27,611 |
| July ----- | 9,941 | 169 | 220 | 999 | 44 | 11,373 |

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Table 2.-Mine production, shipments, and stocks of iron ore in the United States
(Exclusive of ore containing 5 percent or more manganese)
(Thousand long tons)

| | Production July | | Shipments July | | Mine Stocks July 31 | |
|---------------------|--------------------|--------|-------------------|--------|------------------------|--------|
| | 1967 | 1966 | 1967 | 1966 | 1967 | 1966 |
| Lake Superior: | | | | | | |
| Michigan ----- | 1,096 | 992 | 1,889 | 2,087 | 3,684 | 3,367 |
| Minnesota ----- | 6,933 | 7,778 | 8,052 | 8,669 | 8,869 | 8,413 |
| Southeastern: | | | | | | |
| Alabama ----- | 156 | 189 | 169 | 186 | 283 | 317 |
| Georgia ----- | | | | | | |
| Northeastern: | | | | | | |
| New Jersey ----- | 221 | 247 | 220 | 249 | 3,224 | 3,104 |
| New York ----- | | | | | | |
| Pennsylvania ----- | | | | | | |
| Western: | | | | | | |
| California ----- | 1,061 | 1,079 | 999 | 1,115 | 695 | 537 |
| Colorado ----- | | | | | | |
| Missouri ----- | | | | | | |
| Nevada ----- | | | | | | |
| Texas ----- | | | | | | |
| Utah ----- | | | | | | |
| Wyoming ----- | | | | | | |
| Byproduct ore ----- | 59 | 63 | 44 | 58 | 287 | 195 |
| Total ----- | 9,526 | 10,348 | 11,373 | 12,364 | 17,042 | 15,933 |

Table 3.-U.S. exports of iron ore
(Thousand long tons)

| | Canada | Japan | Other | Total |
|----------------------|--------|-------|-------|-------|
| 1966 ----- | 3,911 | 3,778 | 90 | 7,779 |
| 1967: | | | | |
| First Quarter ----- | 14 | 932 | 17 | 963 |
| Second Quarter ----- | 1,040 | 895 | 12 | 1,947 |
| July ----- | 499 | 240 | (1/) | 739 |

1/ Less than 500 long tons.

Table 4.-Canada: Shipments of iron ore
(Thousand long tons)

| | Newfoundland | Quebec | Ontario | British Columbia | Total |
|-----------------|--------------|--------|---------|---------------------|--------|
| 1966 ----- | 14,604 | 12,165 | 7,333 | 1,936 | 36,038 |
| 1967: | | | | | |
| First Quarter-- | 284 | 954 | 576 | 370 | 2,184 |
| April ----- | 1,306 | 922 | 571 | 123 | 2,922 |
| May ----- | 1,582 | 1,714 | 952 | 225 | 4,473 |
| June ----- | 1,692 | 1,699 | 811 | 125 | 4,327 |

Source: Dominion Bureau of Statistics, Bureau of Trade and Commerce.

Table 5.-U.S. imports for consumption of iron ore, by countries
(Exclusive of ore containing 10 percent or more manganese)

| | July 1967 | | | January - July 1967 | | |
|----------------------------|--------------|-----------------|------------|---------------------|-----------------|-------------|
| | Long tons | Value <u>1/</u> | | Long tons | Value <u>1/</u> | |
| | | Per ton | Total | | Per ton | Total |
| Australia ---- | 414 | 13.75 | 5,694 | 1,191 | 13.91 | 16,571 |
| Brazil ----- | 171,460 | 9.33 | 1,599,940 | 1,101,314 | 9.26 | 10,200,387 |
| Canada ----- | 2,496,997 | 11.53 | 28,781,776 | 11,733,218 | 11.21 | 131,585,757 |
| Chile ----- | 32,546 | 7.26 | 236,275 | 893,843 | 8.36 | 7,472,261 |
| Denmark ----- | 299 | 31.83 | 9,518 | 873 | 37.86 | 33,051 |
| Iran ----- | 396 | 38.18 | 15,120 | 396 | 38.18 | 15,120 |
| Liberia ----- | 279,323 | 7.02 | 1,961,659 | 1,885,456 | 7.60 | 14,325,518 |
| Mauritania <u>2/</u> ----- | ----- | ----- | ----- | 24,149 | 12.50 | 301,856 |
| Netherlands ----- | ----- | ----- | ----- | 196 | 9.48 | 1,859 |
| Norway ----- | 37,238 | 4.56 | 169,964 | 207,351 | 4.71 | 975,898 |
| Panama <u>3/</u> ----- | ----- | ----- | ----- | 34,712 | 9.10 | 315,879 |
| Peru ----- | 60,630 | 12.35 | 748,987 | 530,069 | 11.09 | 5,881,139 |
| Sweden ----- | 29,955 | 17.50 | 524,217 | 29,955 | 17.50 | 524,217 |
| United Kingdom ----- | 201 | 19.92 | 4,003 | 201 | 19.92 | 4,003 |
| Venezuela ---- | 1,094,432 | 8.05 | 8,811,832 | 6,870,355 | 8.09 | 55,561,586 |
| Total ----- | 4,203,891 | 10.20 | 42,868,985 | 23,313,279 | 9.74 | 227,215,102 |

1/ The market price of the merchandise in the principal market place of the foreign country at the time of exportation in terms of United States dollars, and excludes inland freight, ocean freight, and other charges incurred after the merchandise leaves the principal market place. This market price is either the market price of the export to the United States or the market price for domestic consumption, whichever is higher. Certain unusually high prices are believed paid for iron ore for use in paints or for research purposes.

2/ Erroneously reported as Republic of South Africa.

3/ Should be credited to Brazil.

Table 6.-Consumption and stocks of iron ore and agglomerates at consuming plants and production of pig iron in the United States
(Long tons)

| | Consumption | | Stocks |
|---|-------------|--------------|----------------------|
| | July 1967 | Year to date | July 31, 1967 |
| Beginning of month ----- | | | <u>r/</u> 43,032,259 |
| Alabama, Kentucky, Tennessee, Texas, Missouri ----- | 760,736 | 5,855,933 | 4,767,810 |
| California, Colorado, Utah ----- | 523,369 | 4,048,076 | 1,291,138 |
| Delaware, Maryland, West Virginia - | 910,948 | 6,465,593 | 2,755,126 |
| Illinois and Indiana ----- | 2,087,296 | 14,596,006 | 10,594,055 |
| Michigan, and Minnesota ----- | 820,340 | 5,760,665 | 4,170,503 |
| New York, Ohio, Pennsylvania, New Jersey, Rhode Island ----- | 4,119,068 | 31,231,532 | 25,268,505 |
| Total ----- | 9,221,757 | 67,957,805 | 48,847,137 |

| | Consumption by process | | Pig iron produced | |
|---------------------------------|------------------------|--------------|-------------------|--------------|
| | July 1967 | Year to date | July 1967 | Year to date |
| Blast furnaces ----- | 5,990,064 | 44,630,920 | 5,978,294 | 44,315,168 |
| Steel furnaces ----- | 292,852 | 2,092,182 | | |
| Agglomerating plants <u>1/-</u> | 2,925,340 | 21,148,457 | | |
| Miscellaneous <u>2/</u> ----- | 13,501 | 86,246 | | |
| Total ----- | 9,221,757 | 67,957,805 | | |

r/ Revised.

1/ Iron ore and iron ore concentrates consumed in agglomerating plants not located at the mine site.

2/ Sold to nonreporting companies or used for purposes not listed.

Source: American Iron Ore Association.
American Iron and Steel Institute.