



MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON, D.C. 20241



James G. Watt, Secretary

Robert C. Horton, Director

For information call F. L. Klinger
Telephone: 202-634-1023

Iron Ore Monthly

IRON ORE IN JULY 1981

U.S. mine shipments of iron ore continued at a relatively high rate in July, according to the Bureau of Mines, U.S. Department of the Interior. As a result, mine shipments for the first 7 months of 1981 totaled 38.5 million long tons, 5% more than in the same period of 1980. Similarly, 7-month data for imports and consumption of iron ore showed increases of 8% and 10%, respectively, in 1981. Stocks of ore at consuming plants rose by more than 4 million tons during July but at monthend, the total on hand was 3 million tons less than 1 year earlier.

On July 1, the first cargo of iron ore pellets from a 1,000-foot lake carrier was unloaded at the new pellet transfer and storage dock operated by Chessie System, Inc. at Toledo, Ohio. The facility was built to handle the large vessels, at a cost of \$33 million.

In Michigan, the Republic Mine was temporarily closed by Cleveland-Cliffs Iron Co. on July 5 owing to reduced demand for pellets. Operations were partially resumed on August 11.

Prepared in the Section of Ferrous Metals, October 1, 1981.

Table 1.--U.S. production and shipments of iron ore, by districts 1/
(Exclusive of ore containing 5% or more manganese)
(Thousand long tons)

	Lake Superior	Other U.S.	Total 2/	
			1981	1980
Production:				
1980 p/-----	62,282	7,331	--	69,613
1981:				
1st Quarter-----	16,916	1,897	18,812	19,956
2nd Quarter-----	19,285	1,785	21,070	19,317
July-----	6,626	485	7,112	5,326
Shipments:				
1980 p/-----	62,046	7,548	--	69,594
1981:				
1st Quarter-----	4,475	1,898	6,372	6,163
2nd Quarter-----	20,591	1,877	r/ 22,470	23,958
July-----	9,213	491	9,703	7,021

p/ Preliminary.

1/ Includes byproduct ore.

2/ Data may not add to totals shown because of independent rounding.

Table 2.--U.S. mine production, shipments, and stocks of iron ore 1/
(Exclusive of ore containing 5% or more manganese)
(Thousand long tons)

	Production July		Shipments July		Mine stocks July 31	
	1981	1980	1981	1980	1981	1980
Lake Superior:						
Michigan-----	1,290	937	1,586	1,396	5,059	4,530
Minnesota-----	5,258	3,798	7,544	5,031	11,328	9,568
Wisconsin-----	79	53	83	51	2	1
Other U.S.-----	485	539	491	543	6,629	6,974
Total <u>2/--</u>	7,112	5,326	9,703	7,021	23,019	21,073

1/ Includes byproduct ore.

2/ Data may not add to totals shown because of independent rounding.

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

	Canada	Other	Total <u>1/</u>	
			1981	1980
1980-----	5,652	38	--	5,691
1981:				
1st Quarter-----	103	6	109	436
2nd Quarter-----	2,266	9	2,276	2,071
July-----	NA	NA	NA	318

NA Not available.

1/ Data may not add to totals shown because of independent rounding.

Source: U.S. Bureau of Census.

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

	Newfound- land	Quebec	Ontario	British Columbia	1981 total <u>1/</u>	1980 total <u>1/</u>
1980-----	24,291	17,235	7,265	589	--	49,381
1981:						
1st Quarter	<u>r/</u> 2,124	2,707	1,371	104	6,307	<u>r/</u> 6,399
April <u>e/</u> ----	2,069	1,725	394	54	4,242	4,254
May-----	2,445	2,142	490	77	5,154	5,534
June-----	2,788	2,075	494	6	5,363	5,100

r/ Revised.

e/ Estimated.

1/ Data may not add to totals shown because of independent rounding.

Source: Statistics Canada - Ministry of Industry, Trade and Commerce.

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

	July 1981		Year to date 1981			Year to date 1980 (thousand long tons)
	Thousand long tons	Value <u>1</u> / (thousand dollars)	Thousand long tons	Value <u>1</u> /		
				Thousand dollars	Per ton	
Brazil-----	162	4,874	1,313	40,391	\$30.76	1,282
Canada-----	2,397	85,539	9,456	356,068	37.66	9,550
Chile-----	34	753	214	3,763	17.58	271
Liberia-----	199	3,146	1,577	26,407	16.75	761
Peru-----	--	--	46	1,450	31.52	129
Venezuela-----	267	7,354	2,850	72,349	25.39	2,286
Other-----	--	--	<u>2</u> /	9	25.59	33
Total <u>3</u> /----	3,059	101,665	15,457	500,438	32.38	14,312

1/ The market price of the merchandise in the principal market place of the foreign country at the time of exportation in terms of U.S. 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/ Less than one-half unit.

3/ Data may not add to totals shown because of independent rounding.

Source: U.S. Bureau of the Census.

Table 6. - U.S. consumption and stocks of iron ore and agglomerates
at consuming plants and production of pig iron
(Thousand long tons)

	Consumption			Stocks July 31	
	July 1981	Year to date			
		1981	1980	1981	1980
Alabama, Kentucky, Tennessee, Texas, Missouri-----	699	5,263	5,757	2,662	2,238
California, Colorado, Utah---	519	4,101	4,271	542	633
Delaware, Maryland, West Virginia-----	756	4,942	4,496	2,051	2,241
Illinois, Indiana-----	2,319	17,887	14,750	8,202	9,864
Michigan, Minnesota-----	621	4,332	4,225	2,896	2,964
New York, Ohio, Pennsylvania, New Jersey, Rhode Island---	3,108	23,379	20,878	11,551	13,237
Total <u>1</u> /-----	8,022	59,904	54,377	27,904	31,176
Stocks at U.S. receiving/transfer docks-----				5,433	4,535

	Consumption by process			Pig iron produced		
	July 1981	Year to date		July 1981	Year to date	
		1981	1980		1981	1980
Blast furnaces-----	6,791	50,087	43,910	5,596	41,299	37,092
Steel furnaces-----	25	218	338	--	--	--
Agglomerating plants <u>2</u> /-	1,195	9,538	10,106	--	--	--
Miscellaneous <u>3</u> /-----	10	63	23	--	--	--
Total <u>1</u> /-----	8,022	59,904	54,377	5,596	41,299	37,092

1/ Data may not add to totals shown because of independent rounding.

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

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

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

Table 1. - U.S. imports for consumption of iron ore, by customs districts
 (Exclusive of ore containing 10% or more manganese)
 (Thousand long tons)

Customs district	July 1981	Year to date	
		1981	1980
Baltimore-----	414	2,367	3,072
Buffalo-----	96	285	260
Charleston-----	--	--	--
Chicago-----	462	1,914	1,601
Cleveland-----	732	2,684	1,934
Detroit-----	96	235	222
Houston-----	94	425	570
Los Angeles-----	--	--	107
Mobile-----	454	2,396	2,493
New Orleans-----	34	138	156
Philadelphia-----	676	4,626	3,546
Portland, Oreg.-----	--	--	--
Wilmington, N.C.-----	--	278	197
Other-----	<u>2/</u>	108	155
Total <u>1/</u> -----	3,059	15,457	14,312

1/ Data may not add to totals shown because of independent rounding.

2/ Less than one-half unit.