



# MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR  
BUREAU OF MINES  
WASHINGTON, D. C. 20240



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Iron Ore, Monthly

## IRON ORE IN SEPTEMBER 1969

Domestic iron ore production for the first three quarters totaled 69.6 million long tons, a 1 percent increase compared to the same period of 1968, according to the Bureau of Mines, U.S. Department of the Interior. Mine shipments increased 5 percent for the same period. Iron ore imports for consumption for year-to-date decreased significantly compared with the same period of 1968, owing principally to 3 months of labor problems at some iron ore mines in Canada. Increased shipments from Venezuela helped offset part of the lost imports. Shipments of ore from Australia rose significantly from 31 thousand tons for the first three quarters in 1968 to 237 thousand tons for the corresponding period in 1969.

The proposed Argentina pellet plant utilizing the Sierra Grande ore body indicates that the ore resource appears adequate for exploitation, but the average grade of ore contains 1.4 percent phosphorous and 0.4 percent sulfur. The total resource is about 100 million tons with about 53 million tons considered as proven reserves.

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

	Lake Superior	South-eastern	North-eastern	Western	Byproduct ore	Total <sup>1/</sup>
<b>Production:</b>						
1968-----	66,224	1,509	3,963	13,441	728	85,865
1969:						
1st Quarter-----	10,803	412	1,004	3,695	165	16,081
2nd Quarter-----	19,740	343	971	4,079	178	25,311
July-----	7,957	107	201	1,287	59	9,611
August-----	7,944	100	312	1,298	55	9,710
September-----	7,349	102	330	1,071	41	8,893
<b>Shipments:</b>						
1968-----	63,974	1,343	3,549	13,069	596	82,531
1969:						
1st Quarter-----	1,492	316	841	3,924	145	6,719
2nd Quarter-----	21,663	329	909	4,288	164	27,315
July-----	10,291	119	186	1,398	59	12,052
August-----	10,340	109	271	1,251	104	12,075
September-----	9,418	90	308	1,237	63	11,116

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

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

	Production September		Shipments September		Mine Stocks Sept. 30	
	1969	1968	1969	1968	1969	1968
Lake Superior:						
Michigan-----	988	1,175	2,203	1,093	3,979	<u>r/</u> 3,320
Minnesota-----	6,362	5,787	7,215	6,238	6,817	<u>r/</u> 7,373
Southeastern:						
Alabama, Georgia-----	102	139	90	122	626	465
Northeastern:						
New York, Pennsylvania-----	330	322	308	288	4,081	3,695
Western:						
California, Colorado, Missouri, Nevada, Texas, Utah, Wyoming-----	1,071	1,037	1,237	969	247	564
Byproduct ore-----	41	53	63	49	494	312
Total <u>1/</u> -----	8,893	8,514	11,116	8,760	16,245	<u>r/</u> 15,729

r/ Revised.

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

TABLE 3. - U. S. Exports of iron ore  
(Thousand long tons)

	Canada	Japan	Other	Total <u>1/</u>
1968-----	2,279	3,549	55	5,884
1969:				
1st Quarter-----	9	764	<u>2/</u>	772
2nd Quarter-----	668	927	<u>20</u>	1,615
July-----	372	274	29	674
August-----	544	246	17	807
September-----	245	220	<u>2/</u>	466

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

2/ Less than 500 long tons.

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

	Newfoundland	Quebec	Ontario	British Columbia	Total <u>1/</u>
1968-----	17,894	12,942	8,650	1,910	41,398
1969:					
1st Quarter-----	1,504	1,109	1,064	410	4,089
2nd Quarter-----	2,615	2,004	2,376	463	7,457
July-----	-	1,035	988	228	2,252
August-----	722	1,679	1,005	265	3,671
September-----	NA	NA	NA	NA	NA

NA Not available.

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

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)

	September 1969			January-September 1969		
	Long tons	Value <u>1/</u>		Long tons	Value <u>1/</u>	
		Total	Per ton		Total	Per ton
Angola-----	50,350	\$701,376	\$13.93	50,350	\$701,376	\$13.93
Australia-----	24,720	304,275	12.31	237,377	2,674,172	11.27
Brazil-----	167,221	1,705,659	10.20	856,393	7,865,611	9.18
Canada-----	3,261,314	33,362,944	10.23	11,181,236	127,988,902	11.45
Chile-----	116,493	935,735	8.03	1,263,687	9,884,515	7.82
Denmark-----	-	-	-	224	7,989	35.67
Iran-----	297	12,201	41.08	594	24,402	41.08
Liberia-----	339,188	2,689,234	7.93	2,614,503	23,120,480	8.84
Norway-----	50,650	185,398	3.66	169,786	1,022,383	6.02
Peru-----	-	-	-	585,856	6,588,590	11.25
Philippines-----	-	-	-	11,000	206,000	18.73
Portugal-----	-	-	-	19	469	24.68
Sweden-----	17,091	205,092	12.00	100,508	998,591	9.94
Venezuela-----	1,160,744	9,264,638	7.98	9,615,533	77,419,295	8.05
Total-----	5,188,068	49,366,552	9.52	26,687,066	258,502,775	9.69

1/ For value definition refer to January MIS.

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

	Consumption		Stocks
	September 1969	Year to date	Sept. 30, 1969
Beginning of month-----			<u>r/</u> 42,515,350
Alabama, Kentucky, Tennessee, Texas, Missouri-----	889,587	8,524,047	4,308,982
California, Colorado, Utah-----	611,806	5,823,431	629,428
Delaware, Maryland, West Virginia-----	1,003,200	9,054,161	1,404,813
Illinois, Indiana-----	2,090,422	20,038,430	11,521,687
Michigan, Minnesota-----	767,823	7,443,624	5,305,687
New York, Ohio, Pennsylvania, New Jersey, Rhode Island-----	4,978,918	44,577,064	24,160,247
Total-----	10,341,756	95,460,757	47,330,844

	Consumption by process		Pig iron produced	
	September 1969	Year to date	September 1969	Year to date
Blast furnaces-----	7,339,279	67,251,020	6,909,479	63,044,004
Steel furnaces-----	239,803	2,460,233	-	-
Agglomerating plants <u>1/</u> -----	2,760,535	25,712,973	-	-
Miscellaneous <u>2/</u> -----	2,139	36,531	-	-
Total-----	10,341,756	95,460,757	6,909,479	63,044,004

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.