

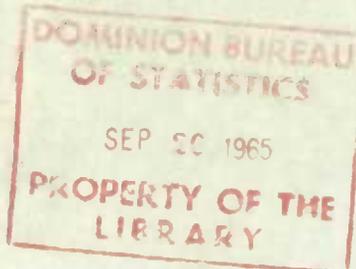
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# IRON MINES

## 1962

Formerly The Iron Mining Industry

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The Minister of Trade and Commerce

**DOMINION BUREAU OF STATISTICS**  
Industry Division

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IRON MINES  
1961

### EXPLANATORY NOTES

#### Establishment

The reporting unit in the Census of Manufactures is the **establishment**. Beginning with the 1961 Census, the establishment is defined as follows:

The smallest unit which is a separate operating entity capable of reporting all the following:

- Materials and supplies used,
- Goods purchased for resale as such,
- Fuel and power consumed,
- Number of employees and their pay,
- Inventories,
- Shipments or sales.

The establishment is to be distinguished from smaller subdivisions or departments which do not have records which permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in operations which were classifiable to different industries. Beginning with 1961, separate reports for such operations will be required only in cases where accounting records can provide all the elements of principal statistics enumerated above. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously affected the statistics for particular industries or

areas. Where continuity of industry statistics was affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing operations. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were principally engaged in manufacturing operations. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in manufacturing are no longer included as manufacturing establishments in the basic industry statistics. Again adjustments to the industry statistics were made to reflect the removal of such reporting units for the period 1957-1960. These reporting units are now listed as establishments in other Bureau industry surveys, such as Wholesale Trade, Construction, etc. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".

### SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- ... figures not appropriate or not applicable.
- nil or zero.

# IRON MINES

## 1962

This report includes statistics for industry 058—Iron Mines of the Standard Industrial Classification Manual (Catalogue No. 12-501).

The principal statistics of the iron mining industry for 1962 are comparable with the data of the preceding years, but the data on the commodity, iron ore, includes in 1961-62 by-product iron sinter made by roasting or calcining pyrite or pyrrhotite.

The producers of iron ore shipped 27,359,676 short tons valued at \$263,004,217 in 1962. Included in the total are direct shipping ore, lump ore, sinter, pellets, magnetic concentrates and by-products iron sinter.

Pyrite and pyrrhotite are roasted at Copper Cliff Ontario by the International Nickel Co. of Canada, Ltd., at Falconbridge, Ontario by the Falconbridge Mines Ltd. and at Kimberley, British Columbia by the Consolidated Mining and Smelting Co. of Canada Ltd. Statistics relating to these operations are included in the manufacturing industries.

The Carol project of the Iron Ore Co. of Canada began shipments of beneficiated ore at mid-year. The personnel for this operation live in Labrador City.

Detailed technical information on the mining and development of the iron ore industry may be found in the annual report of the Department of Mines and Technical Surveys, Ottawa, Mineral Information Bulletin M.R. 70.

**TABLE 1. Principal Statistics: Iron Mines, Significant Years, 1921-62**

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies and containers	Gross value of production	Net value of production <sup>1</sup>
	number				dollars		
1921 .....							
1929 .....	Data on iron ore prior to 1929 included in titaniferous iron ore and titanium ore.						
1931 .....							
1933 .....							
1937 .....	No iron ores, known as such, were mined in Canada for some years prior to 1939.						
1939 .....	2	216	334,215	81,435	63,450	341,594	196,709
1941 .....	4	272	475,741	267,167	103,161	1,426,057	825,357
1944 .....	8	679	1,462,453	642,761	200,438	1,909,608	789,756
1946 .....	11	823	1,944,436	687,011	604,081	6,822,947	3,466,760
1949 .....	13	3,257	8,851,746	1,160,183	1,284,198	21,203,907	15,430,743
1951 .....	20	3,638	11,357,690	1,806,356	2,920,993	31,141,112	21,870,765
1952 .....	27	4,473	15,955,201	2,240,932	3,850,499	33,744,311	23,005,559
1953 .....	25	5,242	21,073,712	2,875,190	6,214,680	44,102,944	30,066,883
1954 .....	32	4,981	18,907,608	2,802,280	8,681,805	49,666,507	32,051,077
1957 .....	60	7,770	36,288,939	6,218,370	10,312,348	167,221,425	102,701,537
1958 .....	59	7,404	36,032,817	6,750,140	8,477,634	126,131,181	79,175,569
1959 .....	59	7,776	41,450,834	7,708,322	10,043,867	192,666,101	125,208,070
1960 .....	62	7,754	45,985,190	7,916,476	20,812,978	175,082,523	106,722,156
1961 .....	49	8,049	47,107,661	8,331,530	21,643,625	186,332,963	124,588,726
1962 .....	55	9,215	60,354,409	10,836,920	23,706,663	257,965,925	185,452,101

<sup>1</sup> Gross value of production, less value of fuel, electricity, process supplies and freight.

TABLE 2. Producers' Shipments of Iron Ore,<sup>1</sup> by Provinces, 1952-62

Year	Newfoundland		Quebec			
	Quantity	Value	Quantity	Value		
	tons	\$	tons	\$		
1953 .....	2,686,481	14,201,842	—	—		
1954 .....	3,758,526	21,749,304	650,415	3,818,309		
1955 .....	7,206,883	45,701,801	4,103,173	27,164,396		
1956 .....	8,463,572	55,620,755	7,956,549	58,373,270		
1957 .....	8,174,779	57,898,102	8,872,948	65,805,057		
1958 .....	5,390,775	38,226,828	6,060,325	46,859,490		
1959 .....	6,105,819	42,974,837	11,515,169	92,497,012		
1960 .....	7,611,365	54,673,717	7,457,971	61,752,485		
1961 .....	7,611,340	59,889,125	5,639,931	53,627,608		
1962 .....	7,986,910	67,753,153	11,163,982	112,444,643		
	Ontario		British Columbia		Canada	
	Quantity	Value	Quantity	Value	Quantity	Value
	tons	\$	tons	\$	tons	\$
1953 .....	2,832,090	23,137,997	991,247	6,763,105	6,509,818	44,102,944
1954 .....	2,416,911	20,365,003	535,746	3,733,891	7,361,598	49,666,507
1955 .....	4,362,191	34,340,897	610,930	3,228,756	16,283,177	110,435,850
1956 .....	5,558,203	44,177,246	369,954	2,190,847	22,348,278	160,362,118
1957 .....	4,867,105	41,317,629	357,342	2,200,637	22,272,174	167,221,425
1958 .....	3,644,952	36,851,421	630,271	4,193,442	15,726,323	126,131,181
1959 .....	6,018,089	50,830,404	849,248	6,363,848	24,488,325	192,666,101
1960 .....	5,325,197	48,399,442	1,156,297	10,256,879	21,550,830	175,082,523
1961 <sup>2</sup> .....	5,772,664	62,350,773	1,335,068	12,082,541	20,359,003	187,950,047
1962 .....	6,414,936	64,479,510	1,793,848	18,326,911	27,359,678	283,006,217

<sup>1</sup> Exclusive of titanium-bearing ores.

<sup>2</sup> Includes by-products iron sinter in 1961, amounting to 310,335 tons valued at \$3,780,126 and 1962 amounting to 350,299 tons valued at \$5,038,292.

TABLE 3. Producers' Shipments of Iron Ore, by Months, 1960-62

Month	1960	1961	1962	Month	1960	1961	1962
	short tons (2,000 pounds)				short tons (2,000 pounds)		
January .....	509,762	475,094	461,526	August .....	3,671,885	3,419,335	3,508,577
February .....	299,023	289,969	522,718	September .....	2,764,404	3,031,926	3,852,341
March .....	219,619	268,762	500,054	October .....	2,435,336	3,162,549	3,508,087
April .....	352,924	352,531	1,098,006	November .....	966,019	1,147,361	1,265,232
May .....	2,706,842	1,535,469	3,548,111	December .....	540,860	958,974	926,930
June .....	3,394,329	2,716,698	4,234,517	Year .....	21,550,830	20,359,003 <sup>1</sup>	27,359,676 <sup>1</sup>
July .....	3,689,827	3,000,335	3,933,577				

<sup>1</sup> Includes by-products iron sinter which amounted to 310,335 tons in 1961, and 350,299 tons in 1962.

TABLE 4. Producers' Shipments<sup>1</sup> of By-products Iron Sinter, 1958-62

By-product	1958	1959	1960	1961	1962
	short tons (2,000 pounds)				
Sinter, pellets, from roasted pyrite and pyrrhotite .....	220,605	269,121	286,523	311,674	364,815

<sup>1</sup> Data are not included in iron ore shipped directly from iron mines, except in 1961, when 310,335 tons were included and in 1962 when 350,299 short tons were included.

TABLE 5. Imports of Iron Ore, 1958 - 62

Country from which imported	1958	1959	1960	1961	1962
	short tons (2,000 pounds)				
United Kingdom .....	225	—	11	—	—
Brazil .....	69,929	109,624	175,729	193,439	174,127
Liberia .....	—	543	—	—	—
Sweden .....	—	8	—	—	—
United States .....	3,342,823	2,690,826	4,863,360	4,434,295	4,983,270
Venezuela .....	—	—	17,248	—	—
Italy .....	—	—	—	336	—
Netherlands .....	—	—	—	84	—
<b>Totals .....</b>	<b>3,412,977</b>	<b>2,801,001</b>	<b>5,056,348</b>	<b>4,628,154</b>	<b>5,157,397</b>

TABLE 6. Exports of Iron Ore, (crude, concentrated, calcined, roasted) 1958 - 62

Country to which exported	1958	1959	1960	1961	1962
	short tons (2,000 pounds)				
United Kingdom .....	2,240,589	3,160,909	3,763,109	2,592,309	1,869,053
Germany, West .....	907,808	824,756	1,071,636	920,438	611,517
Japan .....	552,532	731,961	1,165,430	1,298,485	1,729,866
Italy .....	—	45,549	83,418	116,520	99,843
Netherlands .....	520,285	922,200	1,021,706	813,036	636,346
Norway .....	—	—	—	—	—
United States .....	9,627,344	15,001,853	11,685,234	10,506,532	18,977,749
Belgium .....	29,714	91,558	183,664	389,956	292,902
France .....	—	—	—	13,390	25,973
Trinidad .....	—	—	—	1,680	—
<b>Totals .....</b>	<b>13,878,272</b>	<b>20,778,786</b>	<b>18,975,197</b>	<b>16,652,346</b>	<b>24,243,249</b>

TABLE 7. Iron Blast Furnaces Charges,<sup>1</sup> 1961 and 1962

	1961	1962
	short tons (2,000 pounds)	
Crude iron ore:		
From Canadian mines .....	946,398	915,080
From foreign mines .....	2,075,089	1,815,257
Pyrite cinder .....	<sup>2</sup>	<sup>2</sup>
Iron ore (sintered, pelletized, etc.):		
From Canadian mines .....	1,354,098	1,482,514
From foreign mines .....	1,786,286	2,419,695
From own processing .....	1,726,515	1,878,810
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	238,553	216,838
Scrap iron and steel .....	100,682	93,960
Limestone .....	770,135	719,997
Dolomite .....	300,046	398,663
Coke .....	3,287,833	3,379,302

<sup>1</sup> Does not include charges into furnaces used in the smelting of titanium ores.<sup>2</sup> Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

**TABLE 8. World Production of Iron Ore, by Countries<sup>1</sup>**  
 Taken from "Minerals Yearbook" published by the United States Bureau of Mines

Country <sup>1</sup>	1958	1959	1960	1961	1962
	thousands of long tons				
<b>North America:</b>					
Canada .....	14,042	21,864	19,241	18,177	24,909
Cuba .....	16	15 <sup>2</sup>	15 <sup>2</sup>	15 <sup>2</sup>	15 <sup>2</sup>
Dominican Republic .....	30	12 <sup>2</sup>	121	—	—
Guatemala .....	5	4 <sup>2</sup>	4 <sup>2</sup>	5 <sup>2</sup>	2 <sup>2</sup>
Mexico .....	955 <sup>2</sup>	875 <sup>2</sup>	924	1,189	1,130
United States <sup>3</sup> .....	67,709	60,276	88,784	71,329	71,829
<b>Totals</b> .....	<b>82,757</b>	<b>83,046</b>	<b>109,089</b>	<b>90,715</b>	<b>97,885</b>
<b>South America:</b>					
Argentina .....	65	108	157	118	118
Brazil .....	5,103	8,766	9,197	9,628	9,842 <sup>2</sup>
Chile .....	3,700	4,576	5,946	6,879	7,874 <sup>2</sup>
Colombia .....	553	399	645	665	615 <sup>2</sup>
Peru .....	3,532	3,519	6,880	8,599	6,569
Venezuela .....	15,240	16,929	19,182	14,335	13,057
<b>Totals</b> .....	<b>28,193</b>	<b>34,297</b>	<b>42,007</b>	<b>40,224</b>	<b>38,075</b>
<b>Europe:</b>					
Albania .....	88	173	245 <sup>2</sup>	225 <sup>2</sup>	245 <sup>2</sup>
Austria .....	3,356	3,329	3,486	3,635	3,692
Belgium .....	121	140	157	113	79
Bulgaria .....	288	367	405	411	618
Czechoslovakia .....	2,755	2,921	3,071	3,242	3,422
Finland <sup>5</sup> .....	212	224	269	280	291
France .....	58,534	59,976	65,907	65,525	65,272
Germany: East .....	1,482	1,574	1,616	1,616	1,617
West .....	17,704	17,778	18,571	18,568	16,380
Greece .....	275	154	292	287	295 <sup>2</sup>
Hungary .....	365	432	508	595	671
Italy .....	1,272	1,217	1,241	1,183	1,133
Luxembourg .....	6,533	6,406	6,867	7,340	6,404
Norway .....	1,617	1,558	1,665	1,647	1,919
Poland .....	1,931	1,982	2,148	2,348	2,398
Portugal .....	228	238	297	230	230
Rumania .....	731	1,047	1,437	1,710	1,714
Spain .....	4,954	4,536	5,549	5,967	5,752
Sweden .....	18,023	18,061	20,983	22,766	21,675
Switzerland .....	75 <sup>2</sup>	60 <sup>2</sup>	125 <sup>2</sup>	85 <sup>2</sup>	100 <sup>2</sup>
U.S.S.R. <sup>6</sup> .....	87,414	92,531	104,343	116,137	126,077
United Kingdom .....	14,613	14,870	17,088	16,518	15,277
Yugoslavia .....	1,965	2,062	2,165	2,150	2,155
<b>Totals<sup>5</sup></b> .....	<b>224,536</b>	<b>231,636</b>	<b>258,435</b>	<b>272,578</b>	<b>277,416</b>
<b>Asia:</b>					
Burma .....	6	4	16	16 <sup>2</sup>	9
China <sup>2,7</sup> .....	29,500	44,300	54,100	44,300	34,400
Hong Kong .....	105	120	115	117	110
India .....	6,033	7,856	10,514	12,076	12,972

See footnotes at end of table.

TABLE 8. World Production of Iron Ore, by Countries - Concluded

Country <sup>1</sup>	1958	1959	1960	1961	1962
	thousands of long tons				
Asia—Concluded:					
Iran <sup>8</sup> .....	138	59	57	41	10
Japan <sup>9</sup> .....	2,056	2,508	2,809	2,826	2,445
Korea, North .....	1,527	2,660	3,059	3,400 <sup>2</sup>	3,900 <sup>2</sup>
Korea, Republic of .....	257	278	386	497	464
Lebanon .....	22	3	8	—	2 <sup>3</sup>
Malaya .....	2,795	3,761	5,641	6,734	6,503
Pakistan <sup>10</sup> .....	8	2	6	4	4 <sup>2</sup>
Philippines .....	1,082	1,211	1,121	1,153	1,365
Portuguese India .....	2,889	3,025	5,764	6,381	5,354
Taiwan <sup>11</sup> .....	10	9	8	13	6
Thailand (Siam) .....	15	6	11	55	44
Turkey .....	936	859	778	746	761
<b>Totals<sup>2, 8</sup></b> .....	<b>47,400</b>	<b>66,650</b>	<b>84,400</b>	<b>78,350</b>	<b>68,350</b>
Africa:					
Algeria .....	2,298	1,897	3,384	2,822	2,029
Angola .....	282	343	649	799	742
Gulana, Republic of .....	405	337	764	533	689
Liberia .....	2,264	2,647	3,003	3,200	3,550
Mauritania .....	—	—	—	295	984
Morocco:					
Northern Zone .....	1,514	1,245	1,552	1,439	1,131
Southern Zone .....					
Rhodesia and Nyaszland, Federation of:					
Southern Rhodesia .....	143	128	156	382	609
Sierra Leone .....	1,300	1,426	1,447	1,668	1,983 <sup>12</sup>
South Africa, Republic of .....	2,177	2,845	3,023	3,898	4,263
Sudan .....	—	—	3	—	20
Tunisia .....	1,086	966	1,017	836	749
United Arab Republic (Egypt) .....	175	242	237	415	453
<b>Totals</b> .....	<b>11,644</b>	<b>12,076</b>	<b>15,235</b>	<b>16,287</b>	<b>17,202</b>
Oceania:					
Australia .....	3,917	4,141	4,355	5,342	4,780
Fiji .....	3	12	24	10	6
New Caledonia .....	290	282	272	273	298
<b>Totals</b> .....	<b>4,210</b>	<b>4,435</b>	<b>4,651</b>	<b>5,625</b>	<b>5,084</b>
<b>World total (estimate)<sup>1</sup></b> .....	<b>398,740</b>	<b>432,140</b>	<b>513,817</b>	<b>503,779</b>	<b>504,012</b>

<sup>1</sup> This table incorporates some revisions. Data do not add to totals shown because of rounding where estimated figures are included in the detail.

<sup>2</sup> Estimate.

<sup>3</sup> Includes by-product ore.

<sup>4</sup> Data not available, estimate included in the total.

<sup>5</sup> Iron concentrates and pellets.

<sup>6</sup> U.S.S.R. in Asia included with U.S.S.R. in Europe.

<sup>7</sup> Roughly equivalent of 50 per cent iron.

<sup>8</sup> Year ending March 31 of year following that stated.

<sup>9</sup> Includes iron sand production as follows; 1958, 898,913; tons 1959, 1,335,655 tons; 1960, 1,539,346; 1961, 1,685,137 tons; and 1962, 1,366,044 tons.

<sup>10</sup> Obtained principally during exploration activities.

<sup>11</sup> Principally magnetite sands with limonite.

<sup>12</sup> Exports.

TABLE 9. Estimated Capital and Repair Expenditures, 1958-64

Year	Capital expenditures			Repair expenditures			Capital and repair expenditures		
	Con- struction	Machinery	Total	Con- struction	Machinery	Total	Con- struction	Machinery	Total
	thousands of dollars								
1958 .....	20,052	11,689	31,741	2,393	12,545	14,938	22,445	24,234	46,679
1959 .....	39,697	18,724	58,421	3,161	10,631	13,792	42,858	29,355	72,213
1960 .....	52,866	26,479	79,345	3,500	17,567	21,067	56,366	44,046	100,412
1961 .....	72,406	17,291	89,697	3,098	20,320	23,418	75,504	37,611	113,115
1962 .....	97,816	49,748	147,564	5,146	27,934	33,080	102,962	77,682	180,644
1963 <sup>P</sup> .....	71,346	25,264	96,610	6,746	31,109	37,855	78,092	56,373	134,465
1964 <sup>P</sup> .....	90,288	59,470	149,758	8,023	37,162	45,185	98,311	96,632	194,943

TABLE 10. Employees and their Earnings in the Iron Mines, 1957-62

Year	Employees					Man-hours worked (all employees)	Earnings		
	Office and administrative		Workmen		Total		Office and adminis- trative	Workmen	Total
	Male	Female	Male	Female					
	number					dollars			
1957 .....	917	160	6,646	47	7,770	16,812,950	5,594,625	30,694,314	36,288,939
1958 .....	1,197	128	6,001	78	7,404	15,646,194	7,519,197	28,513,620	36,032,817
1959 .....	1,391	216	6,127	42	7,776	16,290,813	9,828,246	31,622,588	41,450,834
1960 .....	1,441	229	6,010	74	7,754	17,799,204	10,985,357	34,999,833	45,985,190
1961 .....	1,637	299	6,077	36	8,049	18,454,397	13,045,272	34,062,389	47,107,661
1962 .....	2,479	449	6,263	24	9,215	20,824,021	18,121,190	42,233,219	60,354,409

TABLE 11. Workmen in the Iron Mines, by Months, 1961 and 1962

Month	1961	1962					
	Total	Mine			Mill or plant		Total
		Surface		Underground	Male	Female	
		Male	Female	Male			
	number						
January .....	5,768	2,747	13	1,431	1,357	9	5,557
February .....	5,833	2,551	13	441	1,386	4	4,395
March .....	5,817	2,778	11	1,017	1,479	11	5,296
April .....	5,919	3,025	12	1,039	1,682	13	5,771
May .....	6,139	3,338	15	1,049	1,906	12	6,320
June .....	6,220	3,510	13	1,087	2,049	12	6,671
July .....	6,189	3,884	13	1,080	2,227	14	7,218
August .....	6,467	3,828	13	1,043	2,279	16	7,179
September .....	6,551	3,810	13	1,065	2,256	18	7,162
October .....	6,446	3,669	13	1,079	2,208	18	6,987
November .....	6,065	3,432	9	1,044	2,193	16	6,694
December .....	5,910	3,236	8	1,027	1,936	14	6,221
Averages .....	6,113	3,316	12	1,034	1,913	12	6,287
Man-hours worked.....	14,239,605						15,546,531

TABLE 12. Fuel and Electricity Used in the Iron Mines, 1962

Kind	Quantity	Cost at plant
Bituminous coal (a) From Canadian mines .....	short ton 322	5,836
(b) Imported .....	" 22	660
Sub-bituminous coal (from Alberta mines only) .....	—	—
Anthracite coal .....	short ton 1	18
Lignite coal .....	—	—
Coke (for fuel only) .....	short ton 4,943	58,692
Gasoline, (includes gasoline used in cars and trucks) .....	Imp. gal. 1,662,842	517,974
Kerosene or coal oil .....	" 33,778	9,351
Fuel oil .....	" 33,175,596	4,382,064
Wood (cords of 128 cubic feet of piled wood) .....	cord 5,983	86,231
Gas (a) Liquefied petroleum gases (propane, etc.) .....	Imp. gal. 48,789	14,585
(b) Other manufactured gas .....	—	—
(c) Natural gas .....	—	—
Other fuel .....	—	—
Electricity purchased for power and lighting .....	kwh. 594,166,313	5,761,509
Electricity purchased for other purposes .....	—	—
<b>Total</b> .....	<b>...</b>	<b>10,836,920</b>
Electricity generated (a) For own use .....	kwh. 117,429,300	...
(b) For sale .....	" 16,189,262	242,838

TABLE 13. Taxes Paid by the Iron Mines, 1960-62

	1960	1961	1962
	dollars		
Depletion income tax, including tax on non-operating revenue .....	2,197,884	919,500	1,262,168
Provincial tax .....	3,572,539	2,555,313	4,130,997
Municipal tax .....	667,567	2,133,607	2,121,458
<b>Grand total taxes paid</b> .....	<b>6,638,010</b>	<b>5,608,420</b>	<b>7,514,623</b>

## Operators of Iron Ore Deposits, 1962

Name of firm	Head office and address	Location of mine or plant
<b>Newfoundland:</b>		
Dominion Steel and Coal Corp. Ltd. ....	Box 249, Montreal P.Q. ....	Bell Island, Newfoundland
Iron Ore Company of Canada .....	Sept Iles, Quebec .....	New Quebec, Labrador
Labrador Mining & Exploration Co., Ltd. ..	601-1155 Dorchester Blvd. W. Montreal, Que.	Labrador
Wabush Mines, Pickands Mather & Co. ....	2000 Union Commerce Bldg., Cleveland, Ohio	Wabush Lake
<b>Quebec:</b>		
Albanel Minerals Ltd. <sup>1</sup> .....	213 Park St., Port Arthur .....	Mistassini
Anaconda American Brass Ltd. <sup>1</sup> .....	260-8th St., Toronto 14, Ontario .....	Noranda
Belcher Mining Corp. Ltd. <sup>1</sup> .....	199 Bay St., Toronto, Ontario .....	Misery Lake
Canadian Cliffs Ltd. <sup>1</sup> .....	202 Dominion Bank Bldg., Port Arthur, Ontario	Lake Albanel
Chesbar Chibougamau Mines Ltd. <sup>1</sup> .....	11 Adelaide St. W., Toronto .....	Waswanipi Lake
Consolidated Fenimore Iron Mines Ltd. <sup>1</sup> ..	80 Richmond St. W., Toronto, Ont. ....	Finger Lake
Drummond Copper Corp. <sup>1</sup> .....	400 St. James St. W., Montreal .....	Wexford
Great Whale Iron Mines Ltd. <sup>1</sup> .....	199 Bay St., Toronto, Ontario .....	Great Whale
Hilton Mines, The .....	2000 Union Commerce Bldg., Cleveland 14, Ohio, U.S.A.	Bristol Twp.
Hollinger North Shore Exploration Co. Ltd. <sup>1</sup>	721 Royal Bank Building, Montreal, Quebec ..	New Quebec
Holhannah Mines Ltd. <sup>1</sup> .....	1155 Dorchester Blvd. W., Montreal 2 Quebec	New Quebec
Iron Ore Company of Canada .....	Sept Iles .....	New Quebec, Labrador
Kelly Mining <sup>1</sup> .....	17 Park Vimy, St. Louis, Courville .....	Co. Charlevoix
Keneco Exploration (Canada) Ltd. <sup>1</sup> .....	25 King St. W., Toronto, Ontario .....	Ungava
Jalore Mining Co. Ltd. <sup>3</sup> .....	4198 Dundas St. W., Toronto .....	Saguenay, Wakefield Twp.
Mineral Ventures <sup>1</sup> .....	2000 Union Commerce Bldg., Cleveland .....	Saguenay Co.
Mines-Metallurgies-Kebec Inc. <sup>1</sup> .....	C.P. 3264 St-Roch-de-Quebec .....	Kegaska
Mount Wright Iron Mines Co. Ltd. <sup>1</sup> .....	80 King St. W., Toronto .....	Mount Wright
Normanville Mining Co. <sup>1</sup> .....	455 Craig St. W., Montreal .....	Mount Wright
Olivier Iron & Steel Corp. Ltd. <sup>1</sup> .....	901 Victoria Sq., Montreal .....	Saguenay Co.
Pickands Mather & Co. <sup>1</sup> .....	2000 Union Commerce Bldg., Cleveland .....	Matonipi Lake
Quebec Cartier Mining Co. ....	Port Cartier .....	Saguenay
Saguenay Exploration & Mining Inc <sup>1</sup> .....	753 avenue Wilder, Outremont .....	Kenogami
Tamara Mining Ltd. <sup>1</sup> .....	400 St. James St. W., Montreal .....	Wexford
Ungava Iron Ores Co. ....	550 Sherbrooke St., Montreal .....	Ungava
Warren S. Moore <sup>1</sup> .....	400 Torrey Bldg., Duluth, Minnesota .....	Matonipi Lake
<b>Ontario:</b>		
Anaconda Iron Ore (Ontario) Ltd. <sup>1</sup> .....	105 N Cumberland St., Port Arthur .....	Kowkash
Algoma Ore Properties Ltd. ....	Cornwall Building, Sault Ste. Marie, Ontario ..	Algoma district
Caland Ore Company .....	Box 1300 Atikokan .....	Rainy River
Gull Lake Iron Mines Ltd. <sup>1</sup> .....	100 Adelaide St. W., Toronto .....	Temagami
Head of the Lakes Iron Ltd. <sup>1</sup> .....	4 King St. W., Toronto .....	Quetico Park
Iron Bay Mines Ltd. <sup>1</sup> .....	25 Adelaide St. W., Toronto .....	Bruce Lake
Ironco Mining and Smelting Ltd. <sup>1</sup> .....	159 Bay St., Toronto .....	Sudbury
Jalore Mining Co. Ltd. <sup>1</sup> .....	4198 Dundas St. W., Toronto .....	Michipicoten
Kukatash Mining Corp <sup>1</sup> .....	802-80 Richmond St. W., Toronto .....	Kukatash
Lake St. Joseph Iron Ltd. <sup>1</sup> .....	159 Craig St., Montreal, Quebec .....	Lake St. Joseph
Lowphos Ore Ltd. ....	Capreol .....	Moose Mountain
Marmoraton Mining Co. Ltd. ....	701 East Third St., Bethlehem, Pa. U.S.A. ....	Marmorata

<sup>1</sup> Active but not producing.

## Operators of Iron Ore Deposits, 1962 - Concluded

Name of firm	Head office address	Location of mine or plant
<b>Ontario - Concluded:</b>		
Monpre Mining Co. Ltd. ....	62 Richmond St. W. Toronto .....	Duckworth
New Mylamaque Mining & Smelting Ltd. <sup>1</sup> ..	11 Adelaide St. W. Toronto .....	Leeds Co.
Oglebay Norton Company .....	1200 Hanna Bldg., Cleveland, Ohio U.S.A. ...	Freebom Twp.
Peerless Canadian Explorations Ltd. <sup>1</sup> .....	357 Bay St., Toronto .....	Calvin Twp.
Steep Rock Iron Mines Ltd. ....	Steep Rock Lake .....	Rainy River District
Strathgami Mines Inc. <sup>1</sup> .....	Union Commerce Bldg., Cleveland .....	Timiskaming
Tinto Iron Mines Ltd. <sup>1</sup> .....	335 Bay St., Toronto .....	Temagami
<b>Alberta:</b>		
Premier Steel Mills Ltd. <sup>1</sup> .....	Box 2348, Edmonton .....	Clear Hills
<b>British Columbia:</b>		
Brynnor Mines Limited .....	44 King St. W., Toronto 1, Ontario .....	Kennedy Lake
Consolidated Mining and Smelting Co. Ltd.	Trail .....	Kimberley
Empire Development Co. Ltd. ....	736 Granville St., Vancouver .....	Port McNeill
Jedway Iron Ore Ltd .....	1111 West Georgia St. Vancouver .....	Moresby Island
Nimpkish Iron Mines Ltd. ....	409 Granville St., Vancouver .....	Beaver Cove
Quebec Metallurgical Industries Ltd. <sup>1</sup> .....	25 King St. W., Toronto .....	Weedine River
Texada Mines Ltd. ....	Box 35, Vananda .....	Texada Island
Torwest Resources (1962) Ltd. <sup>1</sup> .....	404-409 Granville St., Vancouver 2 .....	Kennedy Lake
Wesfrob Mines Ltd. <sup>1</sup> .....	25 King St. W., Toronto, Ontario .....	Moresby Island
Zeballos Iron Mines Ltd. <sup>1</sup> .....	409 Granville St. Vancouver .....	Zeballos
<b>Northwest Territories:</b>		
Belcher Mining Corp. Ltd. <sup>1</sup> .....	199 Bay St. Toronto, Ontario .....	Belcher Islands, N.W.T.
<b>Yukon:</b>		
Crest Exploration Ltd. <sup>1</sup> .....	Medical Arts Bldg., Calgary, Alberta .....	Snake River

<sup>1</sup> Active but not producing.

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