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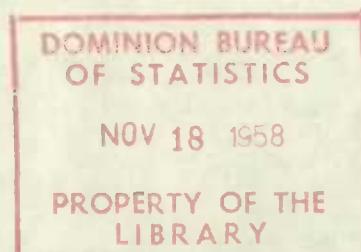


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# THE IRON MINING INDUSTRY

## 1957



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## NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume I consists of the following parts:

- Part I — Mineral Statistics
- Part II — Forestry Statistics — Operations in the Woods
- Part III — Fisheries Statistics

Part I includes the following reports which constitute the complete series on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

- A — General Review of the Mining Industry, 50¢
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# THE IRON MINING INDUSTRY

1957

Prior to 1956 the statistics on the iron ore mining industry were published in the bulletin entitled *Miscellaneous Metal Mining Industry*. The economic stature of this industry and the interest in the data thereon seemed to warrant a separate publication.

The producers of iron ore shipped 22,272,174 short tons valued at \$167,221,425 in 1957 compared with 22,348,278 short tons valued at \$160,362,118 at the shipping ports, in 1956. Included in the total are direct shipping ore, lump ore, sinter and magnetic concentrates. By-products from treating pyrite are excluded to avoid duplication, as pyrite is measured at the mine before treatment. Statistics on the products of pyrite treatment are included in the manufacturing industries.

In Newfoundland the Dominion Wabana Ore Limited passed a greater portion of the hematite

through the heavy-media plants to reduce the silica content and up grade the iron content. There was considerable exploration activity in the Wasbush Lake and Mount Wright areas in Quebec. The construction of the concentrator at the Hilton Mines Ltd. near Bristol, Quebec was nearly completed. In Ontario the Canadian Charleson Limited began construction of a gravity separation plant to treat hematite-bearing gravels near Steep Rock Lake. Lowphas Ore Limited were preparing to produce high-grade magnetic concentrates north of Capreol. In British Columbia the Empire Development Company Limited made some shipments to the export market.

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 Resources Information Circular M.R. 22.

**TABLE 1. Principal Statistics for the Iron Ore Mining Industry, Significant Years, 1921-1957**

Year	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost of process supplies and containers	Gross value of production	Net value of production <sup>1</sup>
	number						
1921 .....							
1929 .....	Date 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
1955 .....	30	4,892	18,740,274	2,694,357	6,466,556	110,435,850	71,788,935
1956 .....	40	6,469	29,249,650	5,950,687	8,412,065	160,362,118	99,606,720
1957 .....	60	7,770	36,288,939	6,218,370	10,312,348	167,221,425	102,701,537

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

## MINERAL STATISTICS

TABLE 2. Production of Iron Ore,<sup>1</sup> 1948 - 1957

Year	Short tons	Value	Year	Short tons	Value
		\$			\$
1948 .....	1,337,244	7,487,611	1953 .....	6,509,818	44,102,944
1949 <sup>2</sup> .....	3,675,096	21,203,907	1954 .....	7,361,598	49,666,507
1950 .....	3,605,261	23,413,547	1955 .....	16,283,177	110,435,850
1951 .....	4,680,510	31,141,112	1956 .....	22,348,278	160,362,118
1952 .....	5,271,849	33,744,311	1957 .....	22,272,174	167,221,425

<sup>1</sup> Exclusive of titanium-bearing ores.<sup>2</sup> Newfoundland iron ore included for first time in Canadian production.

TABLE 3. Producers' Shipments of Iron Ore, by Provinces, 1948 - 1957

Year	Newfoundland		Quebec	
	Quantity	Value	Quantity	Value
	tons	\$	tons	\$
1948 .....				
1949 .....				
1950 .....				
1951 .....				
1952 .....				
1953 .....				
1954 .....				
1955 .....				
1956 .....				
1957 .....				
Joined Confederation in 1949				
1948 .....	1,657,888	7,947,914	—	—
1949 .....	1,169,545	5,851,488	—	—
1950 .....	1,724,991	9,145,960	—	—
1951 .....	1,653,878	8,668,192	—	—
1952 .....	2,686,481	14,201,842	—	—
1953 .....	3,758,526	21,749,304	650,415	3,818,309
1954 .....	7,206,883	45,701,801	4,103,173	27,164,396
1955 .....	8,463,572	55,620,755	7,956,549	58,373,270
1956 .....	8,174,779	57,898,102	8,872,948	68,805,057
Year	Ontario		British Columbia	
	Quantity	Value	Quantity	Value
	tons	\$	tons	\$
1948 .....	1,336,565	7,482,960	679	4,751
1949 .....	2,011,736	13,192,781	5,472	63,212
1950 .....	2,435,716	17,562,059	—	—
1951 .....	2,841,984	21,205,152	113,535	790,000
1952 .....	2,717,490	19,632,551	900,481	5,443,568
1953 .....	2,832,090	23,137,997	991,247	6,763,105
1954 .....	2,416,911	20,365,003	535,746	3,733,891
1955 .....	4,362,191	34,340,897	610,930	3,228,756
1956 .....	5,558,203	44,177,246	369,954	2,190,847
1957 .....	4,867,105	41,317,629	357,342	2,200,637
Year	Canada			
	Quantity	Value	Quantity	Value
	tons	\$	tons	\$
1948 .....	1,337,244	7,487,611	—	—
1949 .....	3,675,096	21,203,907	—	—
1950 .....	3,605,261	23,413,547	—	—
1951 .....	4,680,510	31,141,112	—	—
1952 .....	5,271,849	33,744,311	—	—
1953 .....	6,509,818	44,102,944	—	—
1954 .....	7,361,598	49,666,507	—	—
1955 .....	16,283,177	110,435,850	—	—
1956 .....	22,348,278	160,362,118	—	—
1957 .....	22,272,174	167,221,425	—	—

TABLE 4. Producers' Shipments of Iron Ore, by Months, 1955 - 1957

Month	1955	1956	1957	Month	1955	1956	1957
short tons (2,000 pounds)							
January .....	109,021	376,350	272,674	August .....	2,675,718	3,720,055	4,018,381
February .....	83,704	139,131	88,408	September .....	2,457,511	3,356,448	3,261,054
March .....	93,099	63,718	56,465	October .....	2,474,759	3,164,042	2,782,107
April .....	199,478	461,176	308,070	November .....	1,890,095	2,630,303	1,520,505
May .....	1,474,369	2,429,943	2,463,099	December .....	257,219	240,037	334,970
June .....	2,129,963	2,873,610	3,524,433	Year .....	16,283,177	22,348,278	22,272,174
July .....	2,438,241	2,893,465	3,642,008				

TABLE 5. Producers' Shipments<sup>1</sup> of By-products Iron Sinter, 1954 - 1957

By-product	1954	1955	1956	1957
short tons (2,000 pounds)				
Sinter, pellets, from roasted pyrite and pyrrhotite .....	311	27,987	125,689	170,127

<sup>1</sup> Data are not included, in iron ore shipped directly from iron mines.

TABLE 6. Imports and Exports of Iron Ore, 1948 - 1957

Year	Imports			Exports
	From United States	From Newfoundland	Total <sup>1</sup>	
tons of 2,000 pounds				
1948.....	3,392,063	820,692	4,300,163	1,070,277
1949.....	2,350,149	42,285	2,517,235	2,550,299
1950.....	2,975,659	—	3,070,557	2,227,475
1951.....	3,690,269	—	3,831,418	3,225,767
1952.....	4,106,737	—	4,267,658	3,846,998
1953.....	4,008,810	—	4,167,571	4,819,975
1954.....	2,935,237	—	3,035,191	6,126,938
1955.....	4,449,741	—	4,538,789	14,568,960
1956.....	4,885,518	—	5,068,861	20,265,370
1957.....	4,231,517	—	4,539,029	20,129,501

<sup>1</sup> Includes some ore from other countries, principally Brazil, Sweden, Liberia and Chile.

TABLE 7. Iron Ore Charged to Iron Blast Furnaces, 1948 - 1957

Year	Canadian	Imported	Total
1948.....	193,935	3,716,683	3,910,618
1949.....	1,107,250	2,738,816	3,846,066
1950.....	1,398,712	2,774,801	4,173,513
1951.....	1,476,440	3,168,581	4,645,021
1952.....	1,404,797	3,477,356	4,882,153
1953.....	1,269,815	3,965,835	5,235,650
1954.....	787,827	2,961,282	3,749,109
1955.....	1,474,081	3,837,301	5,311,382
1956 <sup>1</sup> .....	1,786,738	3,631,079	5,417,817
1957 (estimate).....	2,067,500	3,473,000	5,540,500

<sup>1</sup> Includes purchased pellets, sinter etc. but does not include mill cinder, roll scale, flue dust, slag nor sinter made at steel plants.

Note: Newfoundland ore, classified as Canadian in 1949 and thereafter, was included in imported ore in previous years.

**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>	1953	1954	1955	1956	1957
thousands of long tons <sup>2</sup>					
<b>North America:</b>					
Canada .....	5,813	6,573	14,539	19,954	19,988
Cuba .....	197	25	129	135	105
Dominican Republic .....	91	105	99	161	180 <sup>3</sup>
Guatemala .....	3 <sup>3</sup>	2 <sup>3</sup>	3 <sup>3</sup>	3 <sup>3</sup>	4
Mexico .....	538	514	705	801	935 <sup>4</sup>
United States .....	117,995	78,129	102,999	97,849	106,148
<b>Total</b> .....	<b>124,637</b>	<b>85,348</b>	<b>118,474</b>	<b>118,903</b>	<b>127,360</b>
<b>South America:</b>					
Argentina .....	72	60	74	64	69
Brazil .....	3,560	3,023	4,084	4,765	3,937
Chile .....	2,893	2,164	1,693	2,955	2,165
Colombia .....	—	82	344	388	590 <sup>3</sup>
Peru .....	985	2,188	1,703	2,604	3,522
Venezuela .....	2,260	5,335	8,306	10,930	15,054
<b>Total</b> .....	<b>9,770</b>	<b>12,852</b>	<b>16,204</b>	<b>21,706</b>	<b>25,337</b>
<b>Europe:</b>					
Austria .....	2,713	2,678	2,793	3,207	3,441
Belgium .....	98	81	104	144	136
Bulgaria .....	113	116	111	232	295
Czechoslovakia .....	1,700	1,650	1,955	2,050	2,756
Finland .....	17	132	181	203	412
France .....	41,777	43,134	49,517	51,858	56,854
Germany: East .....	1,338	1,447	1,638	1,583	1,624
West .....	14,388	12,830	15,436	16,661	18,031
Greece .....	87	76	189	394	200 <sup>3</sup>
Hungary .....	353	421	347	295 <sup>3</sup>	255 <sup>3</sup>
Italy .....	975	1,074	1,328	1,629	1,540
Luxembourg .....	7,057	5,794	7,091	7,474	7,719
Norway .....	1,167	1,078	1,236	1,526	1,476
Poland .....	1,288	1,550	1,827	1,942	1,963
Portugal .....	143	110	187	233	280
Rumania .....	675	685	627	683	634
Spain .....	2,976	2,869	3,709	4,410	5,291
Sweden .....	16,715	15,083	17,080	18,648	19,665
Switzerland .....	103	100	127	129	114
U.S.S.R. <sup>4</sup> .....	59,000 <sup>3</sup>	63,300	70,800	76,900	82,900
United Kingdom .....	15,818	15,557	16,175	16,245	16,902
Yugoslavia .....	782	1,093	1,376	1,698	1,846
<b>Total</b> .....	<b>169,283<sup>3</sup></b>	<b>170,858</b>	<b>193,834</b>	<b>208,144</b>	<b>224,344</b>
<b>Asia:</b>					
Burma .....	—	3	4	2	4
China <sup>3</sup> .....	5,600	7,200	8,600	10,800	11,800
Hong Kong .....	123	91	115	123	94
India .....	3,855	4,308	4,653	4,830	5,066
Iran <sup>3</sup> .....	10 <sup>3</sup>	10	10 <sup>3</sup>	5	5 <sup>3</sup>

See footnotes at end of table.

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

Country <sup>1</sup>	1953	1954	1955	1956	1957
thousands of long tons <sup>2</sup>					
<b>Asia — Concluded:</b>					
Japan <sup>3</sup> .....	1,517	1,605	1,492	1,882	2,208
Korea, Republic of .....	19	31	29	62	182
Lebanon .....	30	49	42	41	39 <sup>4</sup>
Malaya .....	1,063	1,213	1,463	2,445	2,972
Philippines .....	1,199	1,402	1,410	1,417	1,325
Portuguese India .....	929	1,359	2,176	2,100 <sup>5</sup>	2,360 <sup>7</sup>
Thailand (Siam) .....	8	4	5	6	9
Turkey .....	489	577	830	915	1,220
<b>Total<sup>1, 3, 4</sup></b> .....	<b>14,900</b>	<b>18,350</b>	<b>21,850</b>	<b>25,600</b>	<b>28,300</b>
<b>Africa:</b>					
Algeria .....	3,335	2,881	3,541	2,543	2,746
Egypt .....	—	—	—	130	395 <sup>3</sup>
French Guiana .....	393	583	640	840	1,072
Liberia .....	1,234	1,238	1,870	2,108	1,935
Morocco:					
Northern Zone .....	970	916	1,017	1,356	1,378 <sup>7</sup>
Southern Zone .....	501	329	305	482	461
<b>Rhodesia and Nyasaland:</b>					
Federation of Northern Rhodesia .....	2	1	2	—	—
Southern Rhodesia .....	62	63	83	114	133
Sierra Leone .....	1,368	817	1,235	1,307	1,445
Tunisia .....	1,040	935	1,122	1,151	1,156
Union of South Africa .....	1,940	1,863	1,967	2,031	2,047
<b>Total</b> .....	<b>10,875</b>	<b>9,626</b>	<b>11,782</b>	<b>12,062</b>	<b>12,768</b>
<b>Oceania:</b>					
Australia .....	3,299	3,519	3,573	3,924	3,806
New Caledonia .....	—	—	—	28	230
<b>Total</b> .....	<b>3,299</b>	<b>3,519</b>	<b>3,573</b>	<b>3,952</b>	<b>4,036</b>
<b>World total (estimate)<sup>1</sup></b> .....	<b>332,764</b>	<b>300,553</b>	<b>365,717</b>	<b>390,367</b>	<b>422,135</b>

<sup>1</sup> In addition to countries listed North Korea reports production of iron ore, data of output are not available.<sup>2</sup> This table incorporates a number of revisions of data published in previous Iron Ore chapters.<sup>3</sup> Estimate.<sup>4</sup> U.S.S.R. in Asia included with U.S.S.R. in Europe.<sup>5</sup> Year ending March 31 of year following that stated.<sup>6</sup> Includes iron sand production as follows; 1953, 430,954 tons; 1954, 501,439 tons; 1955, 541,890 tons; 846,953 tons; and 1957, 1,079,667 tons.<sup>7</sup> Exports.

TABLE 9. Estimated Capital and Repair Expenditures, 1953 - 1957

Year	Capital expenditures			Repair expenditures			Capital and repair expenditures		
	Con- struction	Machinery	Total	Con- struction	Machinery	Total	Con- struction	Machinery	Total
thousands of dollars									
1953 .....	19,067	29,073	48,140	825	4,148	4,973	19,892	33,221	53,113
1954 .....	28,850	15,039	43,889	592	4,264	4,856	29,442	19,303	48,745
1955 .....	16,606	9,353	25,959	417	4,142	4,559	17,023	13,495	30,518
1956 .....	12,570	17,657	30,227	996	8,028	9,024	13,566	25,685	39,251
1957 <sup>1</sup> .....	23,256	15,106	38,362	1,396	10,924	12,320	24,652	26,030	50,682

<sup>1</sup> Preliminary estimates.

TABLE 10. Employees and their Earnings in the Iron Ore Mining Industry, 1952-1957

Year	Number of employees					Number of man-hours worked (all employees)	Earnings			
	Office and administrative		Workmen		Total		Office and administrative	Workmen	Total	
	Male	Female	Male	Female						
1952 .....	446	40	3,942	45	4,473	12,224,191	1,921,935	14,033,266	15,955,201	
1953 .....	504	67	4,631	40	5,242	12,000,682	2,701,636	18,372,076	21,073,712	
1954 .....	402	72	4,464	43	4,981	10,063,564	1,903,869	17,003,739	18,907,608	
1955 .....	543	84	4,238	27	4,892	9,987,875	2,809,482	15,930,792	18,740,274	
1956 .....	863	80	5,508	98	6,469	14,149,274	4,311,060	24,938,590	29,249,650	
1957 .....	917	160	6,646	47	7,770	16,812,950	5,594,625	30,694,314	36,288,939	

TABLE 11. Workmen in the Iron Ore Mining Industry, by Months, 1956 and 1957

Month	1956		1957					
	Total	Mine				Mill or plant		Total
		Surface		Underground		Male	Female	
		Male	Female	Male	Female	Male	Female	
number								
January .....	4,900	3,658	40	1,637	428	6	5,769	
February .....	4,966	3,863	40	1,657	422	6	5,988	
March .....	4,958	3,850	41	1,647	412	6	5,956	
April .....	5,233	3,971	40	1,677	445	7	6,140	
May .....	5,508	4,285	42	1,661	499	7	6,494	
June .....	5,758	4,609	45	1,688	511	7	6,860	
July .....	5,947	5,006	45	1,867	523	6	7,447	
August .....	5,992	5,004	44	1,811	519	6	7,384	
September .....	5,947	5,011	40	1,881	529	4	7,463	
October .....	5,878	4,710	39	1,825	551	3	7,126	
November .....	5,819	4,654	40	1,781	532	3	7,008	
December .....	5,390	4,427	37	1,781	509	3	6,757	
Average .....	5,526	4,411	42	1,745	490	5	6,693	
Man-hours worked .....	12,301,181						14,550,119	

TABLE 12. Fuel and Electricity used in the Iron Mining Industry, 1957

Kind		Quantity	Cost at plant
		\$	
Bituminous coal (a) From Canadian mines .....	short ton	2,461	40,730
(b) Imported .....	"	538	9,381
Sub-bituminous coal (from Alberta mines only) .....	"	—	—
Anthracite coal .....	"	2,554	29,662
Lignite coal .....	"	—	—
Coke (for fuel only) .....	"	2,739	23,260
Gasoline, (includes gasoline used in cars and trucks) .....	Imp. gal.	606,696	287,173
Kerosene or coal oil .....	"	11,055	4,045
Fuel oil .....	"	11,405,403	1,797,968
Wood (cords of 128 cubic feet of piled wood) .....	cord	—	—
Gas (a) Liquefied petroleum gases (propane, etc.) .....	Imp. gal.	43,773	27,767
(b) Other manufactured gas .....	M cu. ft.	—	—
(c) Natural gas .....	"	—	—
Other fuel .....	kwh.	..	27,860
Electricity purchased for power and lighting .....	"	557,934,682	3,970,524
Electricity purchased for other purposes .....	"	—	—
Total .....	"	...	6,218,370
Electricity generated (a) For own use .....	kwh.	57,428,500	—
(b) For sale .....	"	—	—

TODAY'S BUSINESS  
Directory of Firms in the Iron Mining Industry, 1957

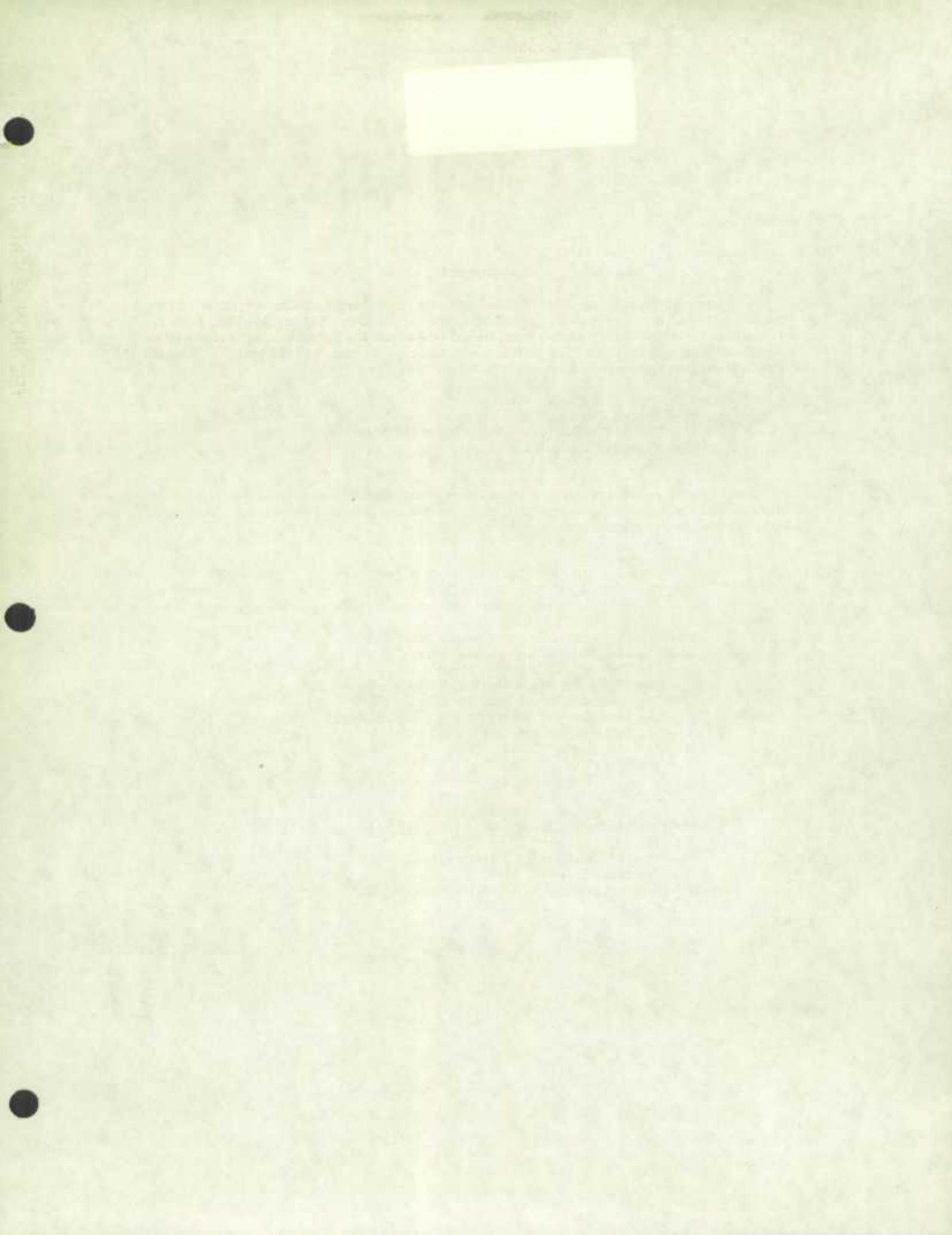
Name of firm	Head office address	Location of mine or plant
<b>Newfoundland:</b>		
Canadian Javelin Ltd. <sup>1</sup>	1010 Ste. Catherine St. W., Montreal, P.Q. ....	Wabush Lake
Dominion Wabana Ore Ltd.	Wabana, Newfoundland .....	Bell Island, Newfoundland
Iron Ore Company of Canada	810 Cote de Liesse Road, Montreal, Quebec ...	New Quebec, Labrador
Labrador Mining & Exploration Co. Ltd. ....	360 St. James St. West, Montreal, Quebec .....	Labrador
<b>Nova Scotia:</b>		
Torbrook Iron Ore Mines Ltd. <sup>1</sup>	100 Adelaide St. W., Toronto, Ontario .....	Annapolis-Kings
<b>Quebec:</b>		
Aconic Mining Corp. <sup>1</sup>	455 Craig St. West, Montreal, Quebec .....	Natashquan
Atlantic Iron Ores Ltd. <sup>1</sup>	326 Bonaventure St., Three Rivers, Quebec....	Ungava Bay
Atlin-Ruffner Mines (B.C.) Ltd. <sup>1</sup>	510 W. Hastings St. Vancouver, B.C. ....	Montgolfier
Albanel Minerals Ltd. <sup>1</sup>	213 Park St. Port Arthur.....	Mistassini
Bellechasse Mining Corp. Ltd. <sup>1</sup>	620 Cathcart St., Montreal, Quebec .....	Saguenay
Cartier Mining Co. Ltd. <sup>1</sup>	603 Sterling Tower, Toronto, Ontario.....	Saguenay
Canadian Cliffs Ltd. <sup>1</sup>	202 Dominion Bank Bldg., Port Arthur, Ontario	Lake Albanel
Consolidated Fenimore Iron Mines Ltd. <sup>1</sup>	80 Richmond St. W., Toronto, Ontario .....	Ungava
Consolidated Premium Iron Ores Ltd. <sup>1</sup>	80 King St. W., Toronto, Ontario .....	Ungava
Consolidated Morrison Explorations Ltd. <sup>1</sup> ...	18 Toronto St. Toronto, Ont. .....	Le Strat Twp.
Fatima Mining Co. Ltd. <sup>1</sup>	25 Adelaide St. W., Toronto, Ont. ....	Nivernais Twp.
Gravimetric Surveys Ltd. <sup>1</sup>	53 Queen St., Ottawa, Ontario.....	Swan Lake
Hilton Mines	2000 Union Commerce Bldg., Cleveland .....	Bristol Twp.
Hollinger North Shore Exploration Co. Ltd..	721 Royal Bank Building, Montreal, Quebec ...	New Quebec
Holannah Mines Ltd. <sup>1</sup>	360 St. James St. W., Montreal, Quebec .....	New Quebec
International Iron Ores Ltd. <sup>1</sup>	326 Bonaventure St., Three Rivers, Quebec ..	Ungava Bay
Iron Ore Company of Canada	810 Cote de Liesse Road, Montreal .....	New Quebec, Labrador
Jalore Mining Co. Ltd. <sup>1</sup>	4198 Dundas St. W., Toronto .....	Saguenay, Wakefield Twp.
Moore, W.S. <sup>1</sup>	400 Tarrey, Bldg., Duluth, Minnesota .....	Saguenay
New Athona Mines Ltd. <sup>1</sup>	25 Adelaide St. W., Toronto, Ontario .....	Ungava
Nordeau Mining Co. Ltd. <sup>1</sup>	2005 rue Belanger, Montreal .....	Vauquelin
Norvex Mining Co. Ltd. <sup>1</sup>	C.P. 941 Ville St. George, Beauce .....	Nord St-Jerome
Olivier Iron & Steel Corp. Ltd. <sup>1</sup>	901 Victoria Sq., Montreal .....	Saguenay Co.
Oceanic Iron Ore (Quebec) Ltd. <sup>1</sup>	335 Bay St., Toronto.....	Ungava
Pickards Mather & Co. <sup>1</sup>	2000 Union Commerce Bldg., Cleveland .....	Matonipi Lake
Quebec Explorers Corp. Ltd. <sup>1</sup>	5757 Decelles Ave., Montreal .....	Ungava Bay
Quebec Cartier Mining Co. <sup>1</sup>	1255 Laird Blvd., Mount Royal .....	Mount Wright
Quebec Labrador Development Co. Ltd. <sup>1</sup>	100 Adelaide St. W., Toronto, Ontario .....	Duverney Twp.
Quebore Iron Mines Ltd. <sup>1</sup>	44 King St. West, Toronto, Ontario.....	Estrees Twp.
St. Joseph Iron Ore Co. <sup>1</sup>	79 St. Cyrille St. E., Quebec.....	Mingan
Roberval Mining Corp. <sup>1</sup>	400 St. Jacques Ouest, Montreal.....	Lyonne
<b>Ontario:</b>		
Anaconda Co. (Canada) Ltd. <sup>1</sup>	New Toronto .....	Nakina
Algoma Ore Properties Ltd.	Cornwall Building, Sault Ste. Marie, Ontario ...	Algoma district, Ontario
Bamoose Lake Mines Ltd. <sup>1</sup>	20 Temperance St., Toronto, Ontario .....	Port Arthur
Caland Ore Company <sup>1</sup>	38 S. Deaborn St., Chicago, U.S.A. ....	Rainy River, Ontario
Caral Mining Co. Ltd. <sup>1</sup>	7 King St. W., Toronto, Ontario.....	Thunder Bay
Clarken Development Ltd.	49 Wellington St. E., Toronto, Ontario .....	Hastings Co., Ontario

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

## Directory of Firms in the Iron Mining Industry, 1957 — Concluded

Name of firm	Head office address	Location of mine or plant
<b>Ontario—Concluded:</b>		
Calmor Mines Ltd. <sup>1</sup> .....	Haileybury, Ontario .....	Hastings Co., Ontario
Canadian Charleson Ltd. <sup>1</sup> .....	Canadian Bank of Commerce Bldg., Toronto .....	Frieborn Twp.
El Sol Mining Ltd. <sup>1</sup> .....	100 Adelaide St. W., Toronto .....	Avis Lake
Fatima Mining Co. Ltd. <sup>1</sup> .....	25 Adelaide St. W., Toronto .....	Sault Ste. Marie
Head of the Lakes Iron Ltd. <sup>1</sup> .....	85 Richmond St. W., Toronto, Ontario .....	Quetico Park, Ontario
Iron Bay Mines Ltd. <sup>1</sup> .....	Haileybury, Ontario .....	Bruce Lake
Jalore Mining Co. Ltd. <sup>1</sup> .....	4198 Dundas St. W Toronto, Ontario .....	Michipicoten, Ontario
Lake Superior Iron Ltd. <sup>1</sup> .....	159 Craig St., Montreal, Quebec .....	Muriel River
Lowphos Ore Ltd. <sup>1</sup> .....	Capreol .....	Moose Mountain
Monpre Mining Co. Ltd. <sup>1</sup> .....	62 Richmond St. W., Toronto .....	Duckworth
Marmoraton Mining Co. Ltd. .....	701 East Third St., Bethlehem, Pa., U.S.A. ....	Marmora
Multi-Minerals Ltd. <sup>1</sup> .....	25 Adelaide St. W., Toronto .....	Sudbury ..
North American Rare Metals Ltd. <sup>1</sup> .....	100 Adelaide St. W., Toronto .....	Temagami
Sand River Cold Mining Co. Ltd. <sup>1</sup> .....	302 Bay St., Toronto .....	White River
Steep Rock Iron Mines Ltd. ....	25 King St. W., Toronto, Ontario .....	Rainy River District, Ontario
<b>Saskatchewan:</b>		
Triana Exploration Ltd. <sup>1</sup> .....	44 King St. W., Toronto, Ontario .....	Stony Rapids
<b>British Columbia:</b>		
Empire Development Co. Ltd. ....	546 Howe St., Vancouver .....	Elk River
Utah Co. of the Americas (Argonaut Division) .....	Box 1000, Campbell River .....	Comox
Texada Mines Ltd. ....	Box 35, Vananda .....	Texada Island
International Iron Mines Ltd. <sup>1</sup> .....	1235 Nelson St., Vancouver .....	Nimpkish Lake
Shawano Iron Mines Ltd. <sup>1</sup> .....	510 W Hastings St., Vancouver .....	Telkwa
<b>Northwest Territories:</b>		
Belcher Mining Corp. Ltd. <sup>1</sup> .....	80 King St. W., Toronto, Ontario .....	Belcher Islands, N.W.T.

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



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