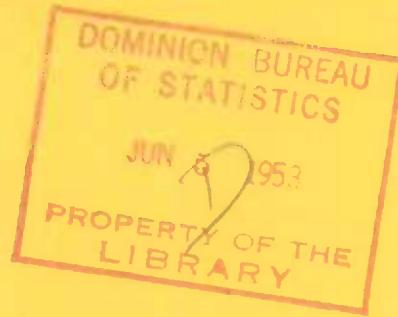


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GOVERNMENT OF CANADA



General Review  
OF  
THE MINING INDUSTRY  
1951



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GENERAL REVIEW OF THE MINING INDUSTRY  
1951

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## NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 4 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Construction; **Volume IV**—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¢.
- B—The Gold Mining Industry, 50¢.
- C—The Silver-Lead-Zinc Mining Industry, 25¢.
- D—The Nickel-Copper Mining, Smelting and Refining Industry, 25¢.
- E—The Miscellaneous Metal Mining Industry, 25¢.
- F—The Non-ferrous Smelting and Refining Industry, 25¢.
- G—The Coal Mining Industry, \$1.00.
- H—The Crude Petroleum and Natural Gas Industry, 25¢.
- I—The Asbestos Mining Industry, 25¢.
- J—The Feldspar and Quartz Mining Industry, 25¢.
- K—The Gypsum Industry, 25¢.
- L—The Peat Industry, 25¢.
- M—The Salt Industry, 25¢.
- N—The Talc and Soapstone Industry, 25¢.
- O—The Miscellaneous Non-Metal Mining Industry, 25¢.
- P—The Cement Manufacturing Industry, 25¢.
- Q—The Clay and Clay Products Industry, 25¢.
- R—The Lime Industry, 25¢.
- S—The Sand and Gravel Industry, 25¢.
- T—The Stone Industry, 25¢.
- U—Contract Diamond Drilling in the Mining Industry, 25¢.

# GENERAL REVIEW OF THE MINING INDUSTRY

1951

Canada's mineral production in 1951 reached a record value of \$1½ billions. This was 19.1 per cent above the corresponding total for 1950, twice the value reported for 1947 and four times that of 1935. Though higher prices accounted for a large share of this increase in values the physical quantity of mineral production seems to have been about 11 per cent larger than in 1950, nearly 45 per cent greater than in 1947 and about double that of 1935. Most of the gain in physical volume in post-war-years has been in the non-metallic minerals, including fuels and structural materials. For the metals alone the index for 1951 was about 2 percent over 1950 but it was 15 percent below that for 1941, the year of maximum output. In 1951 there were significant declines in volume of output for only 3 of the major items — lead, gold and coal which were down respectively by 4.5, 1.1 and 2.9 per cent. The principal gains were in crude petroleum which was up 63.9 per cent and in iron ore, up 29.8 per cent. Output of nickel increased 11.5 per cent; zinc 8.9; and copper 2.2. The tonnage of asbestos was higher by 11.2 per cent; salt 12.3 percent; lime 10.4; and sand and gravel 27.2. Cement production was up slightly and natural gas advanced 17.2 per cent. The drop in value of 12 per cent for gypsum was due chiefly to a change in the method of compilation.

Capital expenditures in the mining industries increased to \$228 millions in 1951 from \$182 millions in 1950.

## Gold and Silver

The gradual climb in gold production in recent years in the face of rising costs was reversed last year when there was a decline of about 1.1 per cent to 4,392,751 fine ounces. Had it not been for the prolonged strike at the Hollinger mine there probably would have been little difference in the figures for 1950 and 1951. The present rate of production is greater than at any other time except the five-year period from 1938 to 1942 inclusive. The record output was in 1941 at 5,345,000 ounces.

The cancellation in September 1950 of the officially controlled rates of foreign exchange and the subsequent rise of the Canadian dollar in terms of the United States dollar brought about a decline in the average price of gold to \$36.85 in 1951 in terms of Canadian currency from \$38.05 in 1950. On the other hand the decision of the government early in October, 1951 to permit sales of industrial gold in the premium market may be of considerable benefit in future, particularly to the mines which now receive little help from the Emergency Gold Mining Assistance Act.

Ontario's mines accounted for 56.1 per cent of the 1951 output and Quebec's mines for over 24 per cent. Only the Northwest Territories and Saskatchewan showed higher figures than in 1950 but declines in other provinces were not great. In the Porcupine

district in Ontario there was a drop of about 4 per cent in production. There were also small declines in the Matatchewan and Sudbury camps but in other areas there were slight gains.

	1950	1951
Fine ounces		
Porcupine .....	1,100,122	1,062,951
Kirkland Lake .....	448,391	454,986
Larder Lake .....	341,081	352,135
Matatchewan .....	50,048	41,984
Sudbury .....	36,930	23,717
Thunder Bay & Kenora .....	131,413	137,328
Patricia .....	336,854	349,404
Base metal mines .....	36,271	40,474

Gold still leads all other mine products in annual value of production and the gold mining industry holds first place in Canada's mineral economy. In regards to employment it is nearly the same as coal mining and considerably ahead of other mining industries. It spends about \$40 millions annually on mine and mill supplies, electricity and fuels.

Silver production in 1951 at 23,125,825 ounces was slightly less than in 1950. The higher level of production in recent years was aided by the renewed activity in the Cobalt area. In the Yukon there was an advance in production of nearly 7.5 per cent but in other areas the recoveries were slightly less than in 1950. The average price of silver at 94.5 cents per ounce in Canadian funds in 1951 was the highest since 1920.

## Copper and Nickel

Copper production was up about 2.1 per cent in 1951 to 269,971 tons. This was the largest tonnage reported in the post-war period but it was less than the amount recovered in each of the years from 1938 to 1944 inclusive. It was about 17 per cent below the record of 327,800 tons in 1941.

The output in Ontario, which usually accounts for about one half of the total, was about 10 per cent greater than in 1950. In British Columbia there was a small advance over last year, but in Quebec there was a decline of approximately 6.5 per cent, in Newfoundland a drop of 10 per cent, and in the Manitoba, Saskatchewan producing area a decrease of 4.7 per cent.

Output of refined copper was a little greater than in 1950 at 245,466 tons. A greater percentage was channelled into Canadian industry, the amount being 135,000 tons or 55 per cent of production compared with 105,000 tons or 44 per cent of the total in 1950. Exports dropped off accordingly to 102,000 tons from 134,000 tons. About 51 per cent of the exports

went to the United Kingdom compared with 48 per cent in the previous year while only 26 per cent went to the United States as against 38 per cent last year. About 37,000 tons of copper were exported in the form of ores and concentrates or in nickel-copper matte.

A gain of 11.5 per cent in 1951 brought the output of nickel to 137,903 tons, only about 4 per cent below the record of 144,000 tons attained in 1941. Expansion programs are under way by both major producers in the Sudbury area. Sherritt-Gorden Mines Ltd., recently announced that its refinery will be erected at Edmonton and that it will likely be ready for operation in 1954.

#### Lead and Zinc

Output of lead at 158,231 tons was the smallest since 1933. It was 4.5 per cent below 1950 and 33 per cent below the record production of 235,900 tons in 1940. In British Columbia which is the principal producing area the output dropped off 5,895 tons or 4.4 per cent and in Newfoundland it declined nearly 1,474 tons or 8.2 per cent. In the Yukon and in Quebec the recoveries were maintained at about the same level as for last year.

Production of refined lead, including some made at the Trail smelter from imported ores, totalled 162,000 tons of which about 63,000 tons or 40 per cent were retained for home consumption. Here again there was a marked shift in the direction of exports with 33 per cent going to the United Kingdom compared with only 7 per cent in 1950 and 56 per cent to the United States as against 91 per cent last year.

In contrast to copper, lead and nickel, the output of zinc was higher than in the peak war years, exceeding the output in 1943 by about 11.7 percent. The advance over 1950 was 8.9 per cent to 341,112 tons. In both British Columbia and in the Manitoba-Saskatchewan area there were production gains of about 16 and 12 per cent respectively and there was also a substantial increase in Newfoundland. In Quebec, which is second in importance amongst the provinces accounting for about 25 per cent of the Canada total, the output was practically the same as in 1950.

About 65 per cent of the total zinc is refined in Canada and a considerable tonnage of zinc is recovered at Trail from the treatment of imported ores. Output totalled 218,578 tons in 1951 of which about 63,000 tons were shipped to Canadian users. Exports of refined zinc totalled 146,000 tons including 84,000 tons to the United States and 55,000 tons to the United Kingdom. The percentage shipped to the United Kingdom rose to 38 per cent from 24 per cent in 1950 while that for the United States dropped to 58 per cent from 74 per cent.

#### Iron Ore

Production of iron ore in 1951 at 4,680,510 tons was the largest on record being about 29.8 per cent over last year's figure. This tonnage is also close to the country's present requirements but the premium quality ores from Northern Ontario are in demand by the steel makers in the United States, so there is an exchange of more than 3 million tons annually.

Developments now underway in the iron ore industry give promise of greatly increased production within the next few years. The Wabana mine in Newfoundland is being completely mechanized and output will be stepped up next year; the Helen mine in the Michipicoten district in northern Ontario has changed over to underground operations; and Steep Rock in northwestern Ontario is proceeding steadily with its expansion program. Near Marmara in southeastern Ontario the Bethlehem Steel Corporation has outlined a large body of magnetite ore and is now preparing to bring the property into production. In Quebec-Labrador the 360 mile railway from Seven Islands on the St. Lawrence river is being speeded up, additional reserves of ores have been established and initial shipments will be made, it is hoped, in 1954.

#### Miscellaneous Metals

The production figures for antimony represent the amount of the metal contained in antimonial lead alloys produced by the Consolidated Mining and Smelting Company of Canada Limited, at Trail, British Columbia. Antimony metal has not been made since 1945. Included in the 1951 data is the antimony content of flue dust and Doré slag shipped in earlier years but not previously reported, thus the quantity is unusually large.

Recoveries of bismuth metal, all at the Trail Smelter totalled 96 tons in 1951. From 40 to 50 tons are used each year in Canada. A few tons of bismuth, containing concentrates were shipped in 1951 from old workings in Quebec. There were also shipments of bismuth-lead-silver residues from an Ontario smelter.

Cadmium metal, a by-product of the electrolytic refining of zinc, is recovered at the Trail smelter and the Flin Flon smelter. Output in 1951 totalled 613 tons. About 412 tons were exported during the year. Consumption in Canada, mostly for electro-plating, amounts to about 120 tons annually.

#### Coal

Canada's coal supply in 1951, totalled 44.7 million tons, made up of the production of 18.6 million tons plus imports of 26.5 millions, less exports of 0.4 millions. Lower output tonnages were reported for Alberta and Nova Scotia, the principal producing areas, but there were small gains in other areas.

	1950	1951
	Tons	
Nova Scotia .....	6,478,405	6,307,629
New Brunswick .....	607,116	653,439
Saskatchewan .....	2,203,223	2,223,318
Alberta .....	8,116,220	7,659,329
British Columbia .....	1,730,445	1,739,412
Yukon .....	3,703	3,696
<b>Canada .....</b>	<b>19,139,112</b>	<b>18,586,823</b>

### Crude Petroleum and Natural Gas

Continued success in the discovery of crude petroleum in Western Canada, the intensive exploration activity at present underway and the vast sedimentary areas still to be tested foreshadow a great increase in Canada's oil production. In 1951 there were no less than 33 new oil discoveries in western Canada, there were about 150 geophysical parties at work in this area and expenditures on development and exploration totalled about \$200 millions for the year. Proven reserves of crude oil have increased thirty fold in the past six years rising from 45 million barrels in 1946 to 1,500 million barrels in 1951. About 630 new wells were completed during the year, bringing the production potential of operating wells to about 200,000 barrels per day. The daily production in August 1951 was 180,000 barrels.

The first phase of distribution of western Canadian oil—the provision of supplies to the prairie provinces and to part of eastern Canada—is already well underway. Prairie refining capacity has been more than doubled and is expected to take about 105,000 barrels per day in a year or two. The 1,126 mile Edmonton-Superior pipe line with a present capacity of 70,000 barrels per day in its Superior (U.S.A.) section has been completed and shipments from Superior to Sarnia, Ontario, via lake tanker commenced in the spring of 1951. Refinery capacity at Sarnia is being enclosed and storage facilities are being added at both Superior and Sarnia. The capacity of the pipe line is also being increased by the addition of more pumping stations and by looping some sections, and two more lake tankers are being built. By 1952 it should be possible to move an average of about 55,000 barrels per day of western oil into Ontario. The second phase of the development of markets for western Canadian oil is now assured with the announcement that a pipe line will be built to serve British Columbia and possibly the northwestern United States. By 1954 probably as much as 50,000 barrels will be delivered to the western coast.

Output of crude oil totalled 47.6 million barrels for all Canada in 1951. This compares with 7½ million barrels in 1946.

Natural gas also appears to be destined to play an important role in future fuel requirements of Canada. Reserves in western Canada are now estimated at 8 trillion cubic feet and several companies are actively investigating the possibility of piping gas to the population centres in the east and on the

western coast. About 50 new gas discoveries were made in 1951. Output amounted to 79.5 billion cubic feet.

### Miscellaneous Non-Metals

The 1951 figures indicate a gain of 11.2 per cent in output of asbestos to 973,198 tons including 946,610 tons from Quebec and 26,588 tons from Ontario. Except for 1949 when a labour dispute kept the mines idle for an extended period there has been a remarkable growth in this industry in recent years. In 1940 the output was 347,000 tons, in 1945 it was 467,000 tons and in 1950 it was 875,000 tons. Further expansion is underway involving expenditures of about \$35 millions, mostly in Quebec. The Munro mine near Matheson, Ontario, has worked at capacity since it started in 1950. At present the Cassiar property in British Columbia is being made ready for production.

The production of gypsum in 1951 has been computed at 3,802,692 tons, slightly more than in 1950. This tonnage was distributed as follows—Nova Scotia, 3,190,030 tons; New Brunswick, 109,469 tons; Ontario, 262,581 tons; Manitoba, 134,704 tons and British Columbia 105,908 tons. About 85 per cent of the output is exported each year.

Fluorspar production was substantially greater in 1951, being up to 74,211 tons from last year's record of 64,200 tons. Newfoundland accounted for 91.5 per cent of the total, the remainder being from Ontario. There were two producers in each province.

Shipments of graphite amounting to 1569 tons were made from the Black Donald property in Renfrew county in Ontario. Recoveries of natural sodium sulphate, all from Saskatchewan increased 47 per cent to 192,371 tons. Shipments of barite rose 27 per cent to 98,113 tons, nearly all from Nova Scotia. Nepheline syenite production advanced 23 per cent to 81,108 tons, all from Ontario. The tonnage of salt increased 12 per cent to 964,525 tons including 511,926 tons of dry salt and 452,599 tons contained in brine used for the manufacture of chemicals. Shipments of mica at 4,961,508 pounds were considerably more than in 1950 and included 3,329,000 pounds from Quebec and 1,025,000 pounds from Ontario.

Production of iron pyrites amounted to 444,948 tons in 1951 with shipments for export of 357,690 tons. There were four producers in Quebec—Noranda, Waite Amulet, Quemont and East Sullivan—and one in British Columbia, the Britannia Mining and Smelting Co. Ltd. The Shell Oil company and the Royalite Oil company are building plants in Alberta to recover elemental sulphur from natural gas. These units will produce nearly 20,000 tons annually. The Canadian Industries Limited has a plant under construction at Copper Cliff, Ontario, to make liquid sulphur dioxide utilizing the smelter gases from International Nickel's smelter at that point.

Production of titanium oxide slag was reported for the first time by the Quebec Iron and Titanium Corp. at Sorel, Quebec. One furnace has been operating experimentally at this smelter and it is now reported that the company is preparing to proceed with the erection of additional furnaces. Ingot iron is also recovered in this work.

Shipments of peat moss increased 2 per cent to 76,809 tons with British Columbia accounting for 61 per cent of the total and Quebec for 28 per cent.

Cement production exceeded 17 million barrels in 1951. The apparent consumption of cement reached the record high of 19,300,000 barrels. This figure is calculated by adding the imports of 2,327,400

barrels to the producers shipments and subtracting the exports of 2,590 barrels. Three new plants were tuning up at the year's end. One was at St. Basil, Quebec, another at Havelock, New Brunswick and the third at Corner Brook, Newfoundland.

Clay products from domestic clays were valued at \$23,527,656 in 1951 an increase of nearly 8 per cent over the output of 1950. Included in this classification are brick, tile, sewer pipe, flue lining, pottery, etc. The lime industry showed an increase in tonnage produced and the value rose to \$14,082,520 which was 14.6 per cent higher than in 1950. The construction of highways, buildings and power dams continued to increase the demand for stone, sand and gravel. The value of sand and gravel was up 22.5 per cent and the total value of stone increased nearly \$3 millions.

TABLE 1. Mineral Production, by Kinds, 1950 and 1951

		1950		1951	
		Quantity	Value	Quantity	Value
			\$		\$
<b>Metallics:</b>					
Antimony .....	lb.	643,540	215,586	6,702,164	1,436,713
Beryllium ore .....	tons	29	7,882	—	—
Bismuth .....	lb.	191,621	431,147	230,298	543,504
Cadmium .....	"	848,406	1,968,302	1,326,920	3,556,145
Calcium .....	—	—	—	—	—
Cobalt .....	lb.	583,806	964,003	951,607	1,999,612
Copper .....	"	528,418,296	123,211,407	539,941,589	149,026,216
Gold .....	fine oz.	4,441,227	168,988,587	4,392,751	161,872,873
Indium .....	"	4,952	12,083	582	1,368
Iron ore .....	tons	3,605,261	23,413,547	4,680,510	31,141,112
Iron Ingots .....	"	1,697	138,284	15,554	777,142
Lead .....	lb.	331,394,128	47,886,452	316,462,751	58,229,146
Magnesium .....	lb.	—	1,545,011 <sup>3</sup>	—	3,618,219
Molybdenite concentrates (MoS <sub>2</sub> ) .....	lb.	103,550	60,059	381,596	228,958
Nickel .....	"	247,317,867	112,104,685	275,806,272	151,269,994
Palladium, rhodium, iridium, etc. ....	fine oz.	148,741	7,578,144	164,905	7,950,107
Platinum .....	"	124,571	10,255,929	153,483	14,542,515
Pitchblende products .....	—	—	Not Available	—	—
Selenium .....	lb.	261,973	633,975	382,603	1,239,633
Silver .....	fine oz.	23,221,431	18,767,561	23,125,825	21,865,467
Tellurium .....	lb.	10,075	19,143	8,913	16,400
Tin .....	"	796,403	828,259	346,718	494,073
Titanium ore .....	tons	1,253	7,706	1,674	9,790
Tungsten (WO <sub>3</sub> ) .....	lb.	284,078	160,343	2,833	7,098
Zinc .....	"	626,454,598	98,040,145	682,224,335	135,762,643
<b>Total metallics</b> .....	—	—	<b>617,238,340</b>	—	<b>745,588,728</b>
<b>Non-metallics:</b>					
<b>Fuels:</b>					
Coal .....	tons	19,139,112	110,140,399	18,586,823	109,038,835
Natural gas .....	M cu. ft.	67,822,230	6,433,041	79,460,667	7,158,920
Peat .....	tons	58	580	50	1,100
Petroleum .....	bbl.	29,043,788	84,619,937	47,615,534	116,855,238
<b>Total fuels</b> .....	—	—	<b>201,193,957</b>	—	<b>232,854,093</b>
<b>Other Non-metallics:</b>					
Arsenious oxide .....	lb.	794,091	52,029	2,353,362	129,435
Asbestos .....	tons	875,344	65,854,568	973,198	81,584,345
Barite .....	"	77,177	750,378	98,113	1,131,917
Diatomite .....	"	49	1,665	92	3,148
Feldspar .....	"	35,548	428,401	40,749	551,097
Fluorspar .....	"	64,213	1,553,004	74,211	2,189,875
Garnet rock .....	"	3	240	—	—
Graphite .....	"	3,586	390,815	1,569	231,167
Grindstones .....	"	100	10,000	60	6,000
Gypsum .....	"	3,666,336	6,707,506	3,802,692	5,880,853
Iron oxides .....	"	13,696	262,632	13,342	262,277
Magnesitic dolomite and brucite .....	—	—	1,717,879	—	2,437,773
Mica .....	lb.	3,879,209	252,611	4,961,508	447,650
Mineral waters .....	gal.	318,829	158,897	325,300	146,971
Nepheline syenite .....	tons	65,638	842,886	81,108	1,114,943
Phosphate rock .....	"	129	1,069	8	94
Peat moss .....	"	75,195	2,256,870	76,809	2,433,008
Quartz .....	"	1,730,695	1,740,268	1,904,885	2,258,468
Salt .....	"	858,896	7,011,306	964,525	7,905,977
Silica brick .....	M	3,126	408,813	3,510	465,229
Soapstone and talc .....	tons	32,604	364,635	24,846	283,624
Sodium sulphate .....	"	130,730	1,615,867	192,371	2,383,770
Sulphur .....	"	301,172	2,189,660	371,790	3,120,785
Titanium dioxide slag .....	"	1,596	149,565	14,123	738,577
<b>Total other non-metallics</b> .....	—	—	<b>94,721,564</b>	—	<b>115,706,983</b>
<b>Clay products and other structural materials:</b>					
Clay products (brick, tile, etc.) .....	—	—	21,790,888	—	23,527,656
Cement .....	bbl.	16,741,826	35,894,124	17,007,812	40,446,288
Lime .....	tons	1,124,188	12,281,084	1,241,041	14,082,520
Sand and gravel .....	"	73,095,163	36,434,759	92,972,821	44,627,559
Stone .....	"	18,087,064	25,895,357	18,678,706	28,649,768
<b>Total clay products and other structural materials</b> .....	—	—	<b>132,296,212</b>	—	<b>151,333,791</b>
<b>GRAND TOTAL</b> .....	—	—	<b>1,045,450,073</b>	—	<b>1,245,483,595</b>

1. Included with magnesium in 1950 and 1951.

2. Data not available for publication.

3. Includes calcium in 1950.

TABLE 2. Mineral Production, by Provinces, 1951

No.			Newfoundland	Nova Scotia	New Brunswick	Quebec
Metals						
1	Antimony	lb. \$	—	—	—	—
2	Bismuth	lb. \$	—	—	—	23,827 56,232
5	Cadmium	lb. \$	—	—	—	—
7	Cobalt	lb. \$	—	—	—	—
9	Copper	lb. \$	5,798,674 1,606,233	—	—	137,731,906 38,151,738
11	Gold	oz. \$	8,515 313,778	17 626	—	1,067,306 39,330,226
13	Indium	oz. \$	—	—	—	—
15	Iron ore	ton \$	1,724,991 9,145,960	—	—	—
17	Iron ingots	ton \$	—	—	—	15,554 777,142
19	Lead	lb. \$	32,888,189 6,051,427	—	—	15,512,623 2,854,323
21	Magnesium and calcium	— \$	—	—	—	—
23	Molybdenite	lb. \$	—	—	—	381,596 228,953
25	Nickel	lb. \$	—	—	—	—
27	Palladium, rhodium, etc.	oz. \$	—	—	—	—
29	Platinum	oz. \$	—	—	—	—
31	Pitchblende	—		Not available		
32	Selenium	lb. \$	—	—	—	165,575 536,463
34	Silver	oz. \$	534,519 505,388	1 1	—	4,154,290 3,927,881
36	Tellurium	lb. \$	—	—	—	—
38	Tin	lb. \$	—	—	—	—
40	Titanium ore	ton \$	—	—	—	1,674 9,790
42	Tungsten conc'ts (WO <sub>3</sub> )	lb. \$	—	—	—	—
44	Zinc	lb. \$	56,938,689 11,330,799	—	—	172,725,823 34,372,439
46	Total Metals	\$	28,953,585	627	—	120,245,192
Non-metallics						
47	Arsenious oxide	lb. \$	—	—	—	636,896 35,029
49	Asbestos	ton \$	—	—	—	946,610 77,627,863
51	Barite	ton \$	—	96,865 1,115,693	—	—
53	Diatomite	ton \$	—	84 2,925	—	—
55	Feldspar	ton \$	—	—	—	28,000 425,370
57	Fluorspar	ton \$	67,925 1,966,477	—	—	—

TABLE 2. Mineral Production, by Provinces, 1951

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	Canada	No.
—	—	—	—	6,702,164	—	—	6,702,164	1
—	—	—	—	1,436,713	—	—	1,436,713	2
15,000	—	—	—	191,471	—	—	230,298	3
35,400	—	—	—	451,872	—	—	543,504	4
—	47,333	99,835	—	1,113,300	—	66,452	1,326,920	5
—	126,852	267,558	—	2,983,644	—	178,091	3,556,145	6
951,607	—	—	—	—	—	—	951,607	7
1,999,612	—	—	—	—	—	—	1,999,612	8
257,616,806	31,677,863	63,250,444	—	43,663,962	1,934	—	539,941,589	9
70,861,789	8,774,768	17,520,373	—	12,110,779	536	—	149,026,216	10
2,462,979	163,914	110,216	97	289,992	212,211	77,504	4,392,751	11
90,760,776	6,040,231	4,061,460	3,574	10,686,205	7,819,975	2,856,022	161,872,873	12
—	—	—	—	582	—	—	582	13
—	—	—	—	1,368	—	—	1,368	14
2,841,984	—	—	—	113,535	—	—	4,690,510	15
21,205,152	—	—	—	790,000	—	—	31,141,112	16
—	—	—	—	—	—	—	15,554	17
—	—	—	—	—	—	—	777,142	18
—	—	—	—	255,528,868	—	12,533,071	316,462,751	19
—	—	—	—	47,017,311	—	2,306,085	58,229,146	20
—	—	—	—	—	—	—	—	21
3,618,219	—	—	—	—	—	—	3,618,219	22
—	—	—	—	—	—	—	381,596	23
—	—	—	—	—	—	—	228,958	24
275,806,272	—	—	—	—	—	—	275,806,272	25
151,269,994	—	—	—	—	—	—	151,269,994	26
164,905	—	—	—	—	—	—	164,905	27
7,950,107	—	—	—	—	—	—	7,950,107	28
153,461	—	—	—	22	—	—	153,483	29
14,540,430	—	—	—	2,085	—	—	14,542,515	30
Not available								31
82,409	25,955	108,664	—	—	—	—	382,603	32
267,005	84,094	352,071	—	—	—	—	1,239,633	33
4,520,094	613,141	1,454,341	9	8,342,414	84,228	3,442,788	23,125,825	34
4,273,749	579,725	1,375,079	8	7,887,752	60,728	3,255,156	21,865,467	35
6,301	505	2,107	—	—	—	—	8,913	36
11,594	929	3,877	—	—	—	—	16,400	37
—	—	—	—	346,718	—	—	346,718	38
—	—	—	—	494,073	—	—	494,073	39
—	—	—	—	—	—	—	1,674	40
—	—	—	—	—	—	—	9,790	41
—	—	—	—	—	—	2,833	2,833	42
—	—	—	—	—	—	7,098	7,098	43
—	30,221,016	79,148,484	—	337,511,324	—	5,678,999	682,224,335	44
—	8,013,982	15,750,548	—	67,164,754	—	1,130,121	135,762,643	45
366,793,827	21,620,581	39,330,966	3,582	151,026,556	7,881,239	9,732,573	745,388,728	46
1,716,466	—	—	—	—	—	—	2,353,362	47
94,406	—	—	—	—	—	—	129,435	48
26,588	—	—	—	—	—	—	973,198	49
3,956,482	—	—	—	—	—	—	81,584,345	50
—	—	—	—	1,248	—	—	98,113	51
—	—	—	—	16,224	—	—	1,131,917	52
—	—	—	—	8	—	—	92	53
—	—	—	—	223	—	—	3,148	54
12,749	—	—	—	—	—	—	40,749	55
125,727	—	—	—	—	—	—	551,097	56
6,266	—	—	—	—	—	—	74,211	57
223,398	—	—	—	—	—	—	2,189,875	58

TABLE 2. Mineral Production, by Provinces, 1951 — Concluded

No.		Unit of measure	Newfoundland	Nova Scotia	New Brunswick	Quebec
Non-metallics — Concluded						
1	Graphite .....	ton	—	—	—	—
2		\$	—	—	—	—
3	Grindstones .....	ton	—	—	60	—
4		\$	—	—	6,000	—
5	Gypsum .....	ton	—	3,190,030	109,469	—
6		\$	—	4,107,822	328,407	—
7	Iron oxide .....	ton	—	—	—	13,342
8		\$	—	—	—	262,277
9	Magnesitic dolomite and brucite <sup>1</sup> .....	\$	—	—	—	2,437,773
10	Mica .....	lb.	—	—	—	3,329,418
11		\$	—	—	—	125,753
12	Mineral water .....	gal.	—	—	—	322,800
13		\$	—	—	—	146,521
14	Nepheline syenite .....	ton	—	—	—	—
15		\$	—	—	—	—
16	Peat moss .....	ton	—	578	4,587	21,657
17		\$	—	17,556	161,934	436,833
18	Phosphate rock .....	ton	—	—	—	—
19		\$	—	—	—	—
20	Quartz .....	ton	—	—	—	220,698
21		\$	—	—	—	579,633
22	Salt .....	ton	—	127,252	—	—
23		\$	—	1,631,904	—	—
24	Silica brick .....	M	—	2,293	—	—
25		\$	—	260,398	—	—
26	Soapstone and talc .....	ton	—	—	—	11,148
27		\$	—	—	—	123,084
28	Sodium sulphate .....	ton	—	—	—	—
29		\$	—	—	—	—
30	Sulphur .....	ton	—	—	—	161,489
31		\$	—	—	—	895,253
32	Titanium dioxide .....	ton	—	—	—	14,123
33		\$	—	—	—	738,577
34	Total Non-metallics .....	\$	1,966,477	7,136,298	496,341	83,833,966
Fuels						
35	Coal .....	ton	—	6,307,629	653,439	—
36		\$	—	49,113,932	4,822,869	—
37	Natural Gas .....	M cu.ft.	—	—	261,579	—
38		\$	—	—	194,312	—
39	Peat .....	ton	—	—	—	20
40		\$	—	—	—	800
41	Petroleum, crude .....	bbl.	—	—	15,551	—
42		\$	—	—	21,771	—
43	Total Fuels .....	\$	—	49,113,932	5,038,952	800
Structural Materials						
44	Clay products .....	\$	32,183	1,202,428	740,861	6,776,430
45	Cement .....	bbl.	—	—	—	7,055,164
46		\$	—	—	—	16,633,377
47	Lime .....	ton	436	—	20,954	460,842
48		\$	17,533	—	369,681	4,612,387
49	Sand and gravel .....	ton	1,483,951	1,756,641	2,966,210	31,297,949
50		\$	648,346	1,527,052	2,229,258	10,616,701
51	Stone .....	ton	466,440	270,181	879,504	7,177,283
52		\$	792,319	746,919	689,524	12,811,218
53	Total Structural Materials .....	\$	1,490,381	3,476,399	4,029,324	51,450,113
54	Grand Total 1951 .....	\$	32,410,443	59,727,256	9,564,617	255,530,071
55	Grand Total 1950 .....	\$	25,824,047	59,482,173	12,756,975	220,176,517

1. Includes some magnesium metal.

TABLE 2. Mineral Production, by Provinces, 1951

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	Canada	No.
1,569	—	—	—	—	—	—	1,569	1
231,167	—	—	—	—	—	—	231,167	2
—	—	—	—	—	—	—	60	3
—	—	—	—	—	—	—	6,000	4
262,581	134,704	—	—	105,908	—	—	3,802,692	5
672,276	509,278	—	—	263,072	—	—	5,880,853	6
—	—	—	—	—	—	—	13,342	7
—	—	—	—	—	—	—	262,277	8
—	—	—	—	—	—	—	2,437,773	9
1,025,090	—	—	—	607,000	—	—	4,961,508	10
314,435	—	—	—	7,462	—	—	447,650	11
2,500	—	—	—	—	—	—	325,300	12
450	—	—	—	—	—	—	146,971	13
81,108	—	—	—	—	—	—	81,108	14
1,114,943	—	—	—	—	—	—	1,114,943	15
1,804	1,236	—	—	46,947	—	—	78,809	16
72,557	44,098	—	—	1,700,030	—	—	2,433,008	17
6	—	—	—	—	—	—	6	18
94	—	—	—	—	—	—	94	19
1,545,137	—	120,769	—	18,281	—	—	1,904,885	20
1,497,811	—	67,631	—	113,393	—	—	2,258,468	21
772,585	16,778	28,192	19,718	—	—	—	964,525	22
4,789,990	358,391	653,130	472,562	—	—	—	7,905,977	23
1,217	—	—	—	—	—	—	3,510	24
204,831	—	—	—	—	—	—	465,229	25
13,698	—	—	—	—	—	—	24,846	26
160,540	—	—	—	—	—	—	283,624	27
—	—	192,371	—	—	—	—	192,371	28
—	—	2,383,770	—	—	—	—	2,383,770	29
15,605	—	—	—	194,696	—	—	371,790	30
156,050	—	—	—	2,069,482	—	—	3,120,785	31
—	—	—	—	—	—	—	14,123	32
—	—	—	—	—	—	—	738,577	33
13,615,157	911,765	3,104,531	472,562	4,169,886	—	—	115,706,983	34
—	—	2,223,318	7,659,329	1,739,412	—	3,696	18,586,823	35
—	—	4,361,677	40,981,581	9,698,179	—	60,597	109,038,835	36
6,442,842	—	860,082	69,876,831	—	19,333	—	79,460,667	37
3,377,137	—	86,008	3,493,842	—	7,621	—	7,158,920	38
30	—	—	—	—	—	—	50	39
300	—	—	—	—	—	—	1,100	40
197,171	10,896	1,249,281	45,915,384	—	227,449	—	47,615,534	41
677,905	26,478	1,659,045	113,870,152	—	399,887	—	116,655,238	42
4,055,342	26,478	6,106,730	158,345,575	9,698,179	407,508	60,597	232,854,083	43
10,484,341	873,698	616,655	1,787,731	1,213,329	—	—	23,527,656	44
5,438,101	1,539,612	—	1,649,909	1,325,026	—	—	17,007,812	45
12,494,677	4,108,752	—	3,898,043	3,311,439	—	—	40,446,288	46
619,769	53,024	—	30,670	55,346	—	—	1,241,041	47
6,921,916	778,490	—	395,452	987,061	—	—	14,082,520	48
39,218,058	2,832,110	2,951,813	4,289,021	6,177,068	—	—	92,972,821	49
19,905,293	929,989	1,874,071	3,194,446	3,702,403	—	—	44,627,559	50
8,080,087	383,134	—	13,310	1,406,787	—	—	18,676,706	51
10,396,650	996,239	—	46,820	2,170,079	—	—	28,649,768	52
60,202,877	7,487,168	2,490,726	9,322,492	11,384,311	—	—	151,333,791	53
444,667,293	30,045,992	51,032,953	168,144,211	176,278,902	8,288,747	9,793,170	1,245,483,595	54
366,801,525	32,691,173	35,983,923	135,758,940	138,888,205	8,050,899	9,035,696	1,045,450,073	55

TABLE 3. Annual Values of the Mineral Production of Canada Since 1886

Year	Metallics	Fuels	Other non-metallics	Structural materials and clay products	Total	Value per capita
	\$	\$	\$	\$	\$	\$
1886	2,118,608	4,367,444	1,259,827	2,225,376	10,221,255	2.23
1887	2,073,746	5,080,853	1,209,153	2,707,579	11,321,331	2.23
1888	2,628,292	5,522,016	1,320,585	2,798,001	12,518,894	2.67
1889	3,251,299	5,702,930	1,562,010	3,247,674	14,013,913	2.96
1890	3,614,488	6,745,279	2,392,315	3,761,271	16,763,353	3.50
1891	3,421,659	8,205,228	2,025,195	3,074,534	18,976,616	3.92
1892	3,698,697	7,658,444	1,417,821	3,603,455	16,628,417	3.39
1893	4,630,495	8,771,358	1,249,283	5,133,946	20,035,082	4.04
1894	4,685,852	8,727,095	1,263,803	5,004,408	19,931,158	3.98
1895	6,087,114	8,248,923	1,193,512	4,726,368	20,505,917	4.05
1896	8,030,633	8,658,410	1,207,671	4,327,542	22,474,256	4.38
1897	13,780,314	8,641,016	1,425,093	4,388,550	28,485,023	5.49
1898	21,741,865	9,608,158	1,492,262	5,270,146	38,412,431	7.32
1899	29,282,823	11,872,788	1,610,111	6,168,283	49,234,005	9.27
1900	40,521,807	15,311,479	1,914,690	6,372,901	64,420,877	12.04
1901	41,939,500	14,047,654	2,713,621	6,803,836	65,804,611	12.16
1902	35,924,651	16,359,722	2,730,425	7,896,836	63,211,634	11.36
1903	33,210,147	17,197,317	2,589,302	8,443,747	61,740,513	10.83
1904	30,924,897	17,858,902	2,807,995	8,182,103	60,073,897	10.27
1905	36,946,212	18,756,112	3,468,408	9,608,267	69,078,999	11.49
1906	41,949,563	21,081,724	4,424,882	11,530,528	79,286,697	12.81
1907	42,426,607	26,254,162	5,021,384	12,863,049	86,865,202	13.75
1908	41,774,362	26,954,515	5,188,269	11,339,955	85,557,101	13.16
1909	44,156,841	26,548,109	4,593,142	16,533,349	91,831,441	13.70
1910	49,438,873	32,647,404	5,109,754	19,527,592	106,823,623	14.93
1911	46,105,423	28,746,214	5,659,746	22,709,611	103,220,994	14.32
1912	61,172,753	38,729,694	6,750,980	28,794,869	135,048,296	18.33
1913	66,361,351	41,060,860	7,402,849	30,809,752	145,634,812	19.35
1914	59,386,619	37,302,122	6,165,107	26,009,227	128,863,075	16.75
1915	75,814,841	36,118,839	7,254,732	17,920,759	137,109,171	17.44
1916	106,319,365	43,169,294	10,245,689	17,467,185	177,201,534	22.05
1917	106,455,147	48,787,388	14,566,995	19,837,311	189,646,821	23.18
1918	114,549,152	60,428,979	17,192,967	19,130,799	211,301,897	25.37
1919	73,262,793	59,325,710	16,676,377	27,421,510	176,686,390	20.84
1920	77,939,630	85,767,250	22,260,697	41,892,088	227,859,665	26.40
1921	49,343,232	77,694,017	10,148,665	34,737,428	171,923,342	19.56
1922	61,785,707	71,990,674	10,986,120	39,534,741	184,297,242	20.55
1923	83,764,403	78,465,622	14,097,925	37,751,381	214,079,331	23.41
1924	102,058,235	59,770,024	12,374,278	35,380,869	209,583,406	22.71
1925	116,951,998	57,354,055	14,628,048	37,649,234	226,583,333	24.19
1926	115,090,770	88,743,933	16,643,022	39,959,398	240,437,123	25.61
1927	113,349,051	71,426,516	17,771,709	44,809,419	247,356,695	25.67
1928	131,819,402	74,413,160	19,019,744	49,737,181	274,989,487	27.96
1929	154,282,736	76,187,397	21,245,279	58,534,833	310,850,246	31.00
1930	142,614,237	68,184,485	15,347,391	53,727,465	279,873,578	27.42
1931	120,794,977	54,453,143	11,028,311	44,158,295	230,434,726	22.21
1932	111,943,049	49,047,342	7,839,551	22,398,283	191,228,225	18.20
1933	146,959,059	47,778,436	10,061,071	16,696,687	221,495,253	20.74
1934	194,054,556	54,262,099	10,558,174	19,286,761	278,161,590	25.67
1935	221,725,523	54,824,200	12,579,334	23,215,400	312,344,457	28.56
1936	259,382,703	59,983,320	16,782,608	25,770,741	361,919,372	32.82
1937	334,124,211	65,828,879	22,536,303	34,869,699	457,359,092	41.13
1938	323,018,616	64,803,294	20,122,661	33,878,666	441,823,237	39.42
1939	343,453,866	70,671,328	25,114,106	35,362,759	474,502,059	41.94
1940	382,440,214	78,837,874	26,074,296	42,472,651	529,825,035	46.39
1941	395,193,386	85,141,997	34,532,635	45,373,272	560,241,290	49.06
1942	391,540,411	92,169,291	37,329,183	45,729,807	566,768,672	48.63
1943	356,558,751	92,514,384	38,967,577	42,010,254	530,053,966	44.87
1944	308,111,295	97,291,007	37,431,875	42,984,937	485,819,114	40.57
1945	316,962,810	93,531,276	39,841,422	48,419,673	498,755,181	41.15
1946	290,386,425	102,516,888	43,792,717	66,120,221	502,616,251	40.86
1947	395,069,530	110,481,207	54,742,453	84,576,785	644,869,975	51.25
1948	486,151,055	159,736,260	67,234,304	105,127,246	820,248,865	63.67
1949	538,967,258	183,654,473	64,585,216	113,903,079	901,110,026	66.51
1950	617,238,340	201,193,957	94,721,564	132,296,212	1,045,450,073	74.68
1951	745,588,728	232,854,093	115,706,963	151,333,791	1,245,483,595	88.90

Notes. In presenting a total valuation of the mineral production as is here given, it should be explained that the production of the metals, copper, gold, lead, nickel, silver, zinc, etc., is given as far as possible on the basis of the quantities of metals recovered in smelters, and the total quantities in each case are valued chiefly at the average market price of the refined metal in a recognized market. There are thus included in some cases the values that have accrued in the smelting or refining of metals outside of Canada.

1886-1897 total includes \$250,000 estimated value of unreported products.

1898-1908 total includes \$300,000 estimated value of unreported products, mostly structural materials.

TABLE 4. Physical Volume of Mineral Production  
(1935-39 = 100)

Year	Index	Year	Index	Year	Index
1919	31.3	1930	63.9	1941	132.0
1920	37.6	1931	59.2	1942	129.5
1921	31.6	1932	59.4	1943	116.1
1922	38.1	1933	60.7	1944	104.1
1923	42.2	1934	73.6	1945	100.9
1924	43.4	1935	79.5	1946	97.1
1925	47.5	1936	89.2	1947	106.2
1926	54.9	1937	103.8	1948	122.2
1927	58.7	1938	109.4	1949	131.7
1928	64.7	1939	118.0	1950	145.4
1929	67.6	1940	125.7	1951	161.8

TABLE 5. Values of Mineral Production, by Provinces, since 1937

Year	Newfoundland	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba
1937	\$	\$	\$	\$	\$	\$
1938	—	30,314,188	2,763,643	65,160,215	230,042,517	15,751,645
1939	—	26,253,645	3,802,565	68,965,594	219,801,994	17,173,002
1940	—	30,746,200	3,949,433	77,335,998	232,519,948	17,137,930
1941	—	33,318,587	3,435,916	86,313,491	261,483,349	17,828,522
1942	—	32,569,867	3,690,375	99,651,044	267,435,727	16,689,867
1943	—	32,783,165	3,690,158	104,300,010	259,114,946	14,345,046
1944	—	29,979,837	3,676,834	101,610,678	232,948,959	13,412,266
1945	—	33,981,977	4,133,902	90,182,553	210,706,307	13,830,406
1946	—	32,220,659	4,182,100	91,518,120	216,541,856	14,429,423
1947	—	35,350,271	4,813,166	92,785,148	191,544,429	16,403,549
1948	—	34,255,560	5,812,943	115,151,635	249,797,671	18,236,763
1949	27,583,615	56,400,245	7,003,285	152,038,867	294,239,673	26,081,349
1950	25,824,047	56,092,830	7,134,009	165,021,513	323,368,644	23,839,638
1951	32,410,443	59,482,173	12,756,975	220,176,517	366,801,525	32,691,173
		59,727,256	9,564,617	255,530,071	444,667,203	30,045,992
	Saskatchewan	Alberta	British Columbia	Northwest Territories <sup>1</sup>	Yukon	
1937	\$	\$	\$	\$	\$	\$
1938	10,271,463	25,597,117	73,555,798	994,518	3,784,528	
1939	7,782,847	28,966,272	64,549,130	1,614,076	3,959,570	
1940	8,794,090	30,691,617	65,216,745	3,248,777	4,961,321	
1941	11,505,858	35,092,337	74,134,485	2,594,157	4,118,333	
1942	15,020,555	41,364,385	76,841,180	3,860,298	3,117,992	
1943	20,578,749	47,359,831	77,247,932	3,976,267	3,453,568	
1944	26,735,984	48,941,210	68,442,386	2,679,993	1,625,819	
1945	22,291,848	51,066,662	57,246,071	1,440,069	939,319	
1946	22,336,074	51,753,237	64,063,842	470,812	1,239,058	
1947	24,480,900	60,082,513	74,622,846	1,039,525	1,693,904	
1948	32,594,016	67,432,270	116,772,621	2,720,968	2,095,508	
1949	34,517,208	93,211,229	148,223,614	4,267,485	4,265,910	
1950	36,054,536	113,728,425	136,385,911	6,801,729	5,099,176	
1951	35,983,923	135,758,940	138,888,205	8,050,899	9,035,696	
	51,032,953	168,144,211	176,278,932	8,288,747	9,793,170	

1. Values of pitchblende products not included since 1941.

TABLE 6. Mineral Production of Newfoundland<sup>1</sup> 1949-1951

Product	1949		1950		1951	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Copper	Ib.	7,233,952	1,444,837	6,442,825	1,508,910	5,798,674
Gold	fine oz.	9,269	333,684	9,254	352,115	8,515
Iron ore	short tons	1,657,888	7,947,914	1,189,545	5,851,488	1,724,991
Lead	Ib.	37,216,398	5,880,191	35,836,124	5,178,320	32,888,189
Silver	fine oz.	585,026	434,382	575,524	465,138	534,519
Zinc	Ib.	63,818,908	8,454,091	61,077,614	9,558,647	56,938,689
Non-metallics:						
Fluorspar	tons	58,077	1,405,033	55,595	1,290,361	67,925
Structural materials:						
Clay products	—	—	25,450	—	31,089	—
Lime	tons	466	22,460	396	20,436	436
Sand and gravel	tons	1,416,202	999,598	1,619,389	780,315	1,483,851
Stone	tons	392,263	635,975	468,651	787,228	466,440
Total	—	—	27,583,615	—	25,824,047	—
						32,410,443

1. Newfoundland joined Confederation in 1949. The figures are for the entire calendar year.

TABLE 7. Mineral Production of Nova Scotia, 1949-1951

Product	1949		1950		1951	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Metallics:						
Gold .....	fine oz.	64	2,304	65	2,473	17
Silver .....	"	3	2	2	2	1
Non-metallics:						
Barite .....	tons	45,824	544,517	75,737	733,094	96,865
Coal .....	"	6,181,779	47,997,725	6,478,405	50,256,367	6,307,629
Diatomite .....	"	24	140	45	1,557	84
Gypsum .....	"	2,555,795	2,766,005	3,185,199	3,802,786	3,190,030
Peat moss .....	"	—	—	14	677	578
Salt .....	"	86,612	1,030,126	101,930	1,080,154	127,252
Silica brick .....	M	2,469	305,539	1,911	234,441	2,293
Structural materials:						
Clay products .....	—	—	1,053,845	—	1,126,969	—
Sand and gravel .....	tons	1,933,652	1,738,114	1,600,932	1,468,593	1,756,641
Stone .....	"	252,641	653,913	254,797	755,060	270,181
Total .....	—	—	56,092,830	—	59,482,173	—

TABLE 8. Mineral Production of New Brunswick, 1949-1951

Product	1949		1950		1951	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Non metallics:						
Coal .....	tons	540,506	3,911,371	607,116	4,371,076	653,439
Grindstones .....	"	195	12,450	100	10,000	60
Gypsum .....	"	80,436	371,529	82,641	371,885	109,469
Natural gas .....	M cu. ft.	375,035	146,864	361,877	214,665	261,579
Petroleum .....	bbl.	19,544	27,362	17,137	23,992	15,551
Peat moss .....	tons	5,752	156,400	5,535	168,321	4,587
Structural materials:						
Clay products .....	—	—	515,767	—	681,139	—
Lime .....	tons	23,082	352,305	23,694	387,431	20,954
Sand and gravel .....	"	3,142,633	1,106,479	4,789,585	2,997,779	2,966,210
Stone .....	"	219,196	532,982	3,060,942	3,530,687	879,504
Total .....	—	—	7,134,009	—	12,756,975	—

TABLE 9. Mineral Production of Quebec<sup>1</sup>, 1949-1951

Product	1949		1950		1951	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
<b>Metallics:</b>						
Bismuth .....	lb.	—	29,005	65,261	23,827	56,232
Chromite.....	tons	361	7,148	—	—	—
Copper .....	lb.	135,644,936	27,092,363	145,781,371	34,141,997	137,731,906
Gold .....	fine oz.	964,184	34,710,624	1,094,645	41,651,242	1,067,306
Iron ingots .....	tons	—	—	1,697	138,284	15,554
Lead .....	lb.	11,598,163	1,832,510	15,352,770	2,218,475	15,512,623
Magnesium .....	"	—	—	—	—	—
Molybdenite concentrates .....	"	—	—	103,550	60,059	381,596
Selenium.....	"	99,709	204,403	46,245	111,913	165,575
Silver .....	fine oz.	3,250,578	2,413,554	4,343,379	3,510,319	4,154,290
Tellurium .....	lb.	—	—	—	—	—
Titanium ore .....	tons	540	2,892	1,253	7,706	1,674
Zinc .....	lb.	125,321,298	16,601,312	171,638,818	26,861,397	172,725,823
<b>Non-Metallics:</b>						
Arsenic (As <sub>2</sub> O <sub>3</sub> ) .....	lb.	350,707	17,535	546,534	35,809	636,896
Asbestos .....	tons	574,906	39,746,072	864,826	64,361,529	949,610
Feldspar .....	"	31,848	384,892	29,788	378,782	28,000
Iron oxides (ochre) .....	"	10,873	184,586	13,696	262,632	13,342
Magnesitic dolomite and brucite .....	—	—	1,536,200	—	1,717,879	—
Mica .....	tons	987	71,217	1,132	90,213	1,665
Natural mineral waters .....	Imp. gal.	304,216	145,830	316,654	158,457	322,800
Peat moss .....	tons	21,168	445,636	17,873	360,459	21,657
Peat fuel .....	"	—	—	—	20	800
Phosphate .....	"	20	291	23	357	—
Quartz .....	"	165,792	380,477	182,727	498,852	220,698
Soapstone and talc .....	"	13,322	160,036	17,209	181,263	11,148
Sulphur .....	"	88,804	348,807	144,675	627,594	161,489
Titanium dioxide .....	"	—	—	1,596	149,565	14,123
<b>Structural Materials:</b>						
Cement .....	bbl.	6,901,192	13,722,635	6,920,413	14,523,855	7,055,164
Clay products .....	—	—	5,580,421	—	6,324,387	6,776,430
Lime .....	tons	329,973	3,175,121	393,905	3,823,901	460,842
Sand and gravel .....	"	19,179,692	7,326,456	20,313,415	7,172,632	31,297,949
Stone .....	"	5,081,051	8,930,495	6,726,729	10,741,698	7,177,263
<b>Total</b> .....	—	165,021,513	—	220,176,517	—	—

1. There is also in this province an important production of aluminum from imported ores.

2. Included in magnesitic dolomite, brucite.

TABLE 10. Mineral Production of Ontario, 1949-1951

Product	1949		1950		1951	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
<b>Metallics:</b>						
Beryllium ore .....	tons	—	—	29	7,882	—
Bismuth .....	lb.	—	—	—	—	15,000
Calcium .....	"	520,609	1,041,218	—	—	35,400
Cobalt <sup>2</sup> .....	"	619,065	952,469	583,806	964,003	951,607
Copper .....	"	226,085,423	44,658,786	234,420,544	54,411,033	257,616,806
Gold .....	fine oz.	2,354,509	84,762,324	2,481,110	94,406,236	2,482,979
Iron ore .....	short tons	2,011,736	13,192,781	2,435,716	17,562,059	2,841,984
Magnesium .....	lb.	3	3	—	1,545,011	—
Nickel .....	"	257,379,216	99,173,289	247,317,867	112,104,685	275,806,272
Palladium, rhodium, etc. ....	fine oz.	182,225	8,289,063	148,730	7,576,528	164,905
Platinum .....	"	153,591	11,595,986	124,453	10,246,215	153,461
Selenium .....	lb.	86,842	178,026	63,709	154,176	82,409
Silver .....	fine oz.	2,562,859	1,902,923	4,408,620	3,563,047	4,520,094
Tellurium .....	lb.	8,726	15,707	6,010	11,419	6,301

1. Included with magnesium in 1950 and 1951.

2. Exclusive of metal in ore placed on Government stock pile at Deloro, Ontario, but includes any metal reshipped from stock pile.

3. Not available for publication.

TABLE 10. Mineral Production of Ontario, 1949-1951 — Concluded

Product	1949		1950		1951	
	Quantity	Value	Quantity	Value	Quantity	Value
Non-Metallics:		\$		\$		\$
Arsenic ( $As_2O_3$ )	lb.	175,938	8,797	247,557	16,220	1,716,466 <sup>3</sup>
Asbestos	tons	—	—	10,518	1,493,039	26,588
Feldspar	"	5,100	43,610	5,760	49,619	12,749
Fluorspar	"	6,400	187,875	8,618	262,643	6,286
Garnet (schist)	"	—	—	3	240	—
Graphite	"	2,147	212,496	3,586	390,815	1,569
Gypsum	"	203,187	871,467	199,314	875,217	262,581
Mica	"	469	31,566	581	156,865	512
Natural mineral waters	Imp. gal.	2,475	410	2,175	440	2,500
Natural gas	M cu. ft.	8,024,213	8,826,634	8,009,488	3,203,795	8,442,842
Nepheline syenite	tons	78,783	623,002	65,638	842,886	81,108
Peat (fuel)	"	56	560	58	580	30
Peat (moss)	"	7,381	210,008	5,613	206,625	1,804
Petroleum	bbl.	260,670	901,143	250,655	892,000	197,171
Phosphate	tons	—	—	106	712	6
Quartz <sup>1</sup>	"	1,404,140	1,020,411	1,386,833	1,027,791	1,545,137
Salt	"	607,206	3,477,583	696,582	4,639,867	772,585
Silica brick	M	1,194	148,258	1,215	174,372	1,217
Sulphur <sup>2</sup>	tons	12,630	126,300	13,154	131,540	15,605
Talc	"	13,600	160,757	15,263	182,048	13,698
Structural Materials:						
Cement	bbl.	4,599,322	9,155,613	5,313,521	10,953,896	5,438,101
Clay products	—	—	7,435,439	—	9,323,263	—
Lime	tons	529,986	5,569,550	571,490	6,030,228	619,769
Sand and gravel	"	22,320,753	11,214,136	30,271,214	15,551,406	39,218,058
Stone	"	5,649,528	7,380,457	5,716,059	7,843,124	8,080,087
Total	—	323,368,644	—	366,801,525	—	444,667,203

1. Includes low grade silica sand for fluxing purposes.  
 2. Sulphur content of pyrites shipped and estimated sulphur salvaged from smelter gases.  
 3. Includes some arsenic recovered from foreign ores.

TABLE 11. Mineral Production of Manitoba, 1949-1951

Product	1949		1950		1951	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Cadmium	lb.	70,800	145,140	69,954	162,293	47,333
Copper	"	33,920,148	6,774,871	41,634,897	9,750,846	31,677,863
Gold	fine oz.	137,399	4,946,364	191,725	7,295,136	163,914
Selenium	lb.	16,012	32,825	40,543	98,114	25,955
Silver	fine oz.	554,266	411,542	893,099	721,803	613,141
Tellurium	lb.	361	650	1,084	2,060	505
Zinc	"	34,081,713	4,514,805	42,905,613	6,714,728	30,221,016
Non-Metallics:						
Gypsum	tons	94,918	797,723	114,555	1,037,510	134,704
Peat moss	"	1,367	56,712	595	22,569	1,236
Petroleum, crude	bbl.	—	—	—	—	10,698
Salt	tons	18,734	367,186	16,592	378,297	16,778
Structural Materials:						
Cement	bbl.	1,502,308	3,538,122	1,842,312	3,963,464	1,539,612
Clay products	—	—	514,705	—	690,730	—
Lime	tons	51,019	673,156	49,281	673,070	53,024
Sand and gravel	"	2,260,196	696,783	2,720,951	721,494	2,832,110
Stone	"	185,917	369,054	239,859	459,059	383,134
Total	—	23,839,638	—	32,691,173	—	30,045,992

TABLE 12. Mineral Production of Saskatchewan, 1949-1951

Product	1949		1950		1951	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Cadmium.....	lb.	110,292	226,099	71,502	165,885	99,835
Copper.....	"	69,919,293	13,964,980	57,963,500	13,575,052	63,250,444
Gold.....	fine oz.	94,208	3,391,488	79,784	3,035,781	110,216
Selenium.....	lb.	115,662	237,107	111,476	269,772	108,664
Silver.....	fine oz.	1,482,009	1,100,392	1,207,796	976,141	1,454,341
Tellurium.....	lb.	2,605	4,689	2,981	5,664	2,107
Zinc.....	"	64,266,312	8,513,358	54,981,653	8,604,629	79,148,484
Non-metallitics:						
Coal.....	tons	1,870,487	3,533,930	2,203,223	4,044,697	2,223,318
Quartz <sup>1</sup> .....	"	127,297	63,649	141,265	88,997	120,769
Salt.....	"	8,104	144,526	18,186	373,701	28,192
Sodium sulphate.....	"	120,259	1,614,731	130,730	1,615,867	192,371
Natural gas.....	M cu. ft.	812,916	81,292	813,554	71,564	860,082
Petroleum, crude.....	bbl.	782,188	836,941	1,041,098	1,134,797	1,249,281
Structural materials:						
Clay products.....	—	—	545,588	—	581,506	—
Sand and gravel.....	tons	1,930,959	1,795,766	2,104,797	1,439,870	2,951,813
Total.....		—	36,054,536	—	35,983,923	—
						51,032,953

1. Low grade silica sand for fluxing purposes.

TABLE 13. Mineral Production of Alberta, 1949-1951

Product	1949		1950		1951	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Gold.....	fine oz.	115	4,140	152	5,784	97
Silver.....	"	11	8	14	11	9
Non-metallitics:						
Bituminous sands.....	tons	—	1	—	1	1
Coal.....	"	8,616,855	44,644,153	8,116,220	41,687,211	7,659,329
Natural gas.....	M cu. ft.	51,179,779	2,558,989	58,603,976	2,930,199	69,876,831
Petroleum.....	bbl.	20,087,418	58,999,936	27,548,169	82,216,492	45,915,384
Quartz <sup>2</sup> .....	tons	700	10,500	300	2,700	—
Salt.....	"	28,359	547,304	25,606	539,287	19,718
Structural materials:						
Cement.....	bbl.	1,659,503	3,456,141	1,589,713	3,364,613	1,649,909
Clay products.....	—	—	1,603,199	—	1,950,309	—
Lime.....	tons	27,071	295,441	33,564	435,342	30,670
Sand and gravel.....	"	2,448,814	1,553,589	3,866,662	2,572,795	4,289,021
Stone.....	"	13,632	55,025	12,894	54,197	13,310
Total.....		—	6,963,395	—	135,758,940	—
						168,144,211

1. Included with petroleum refining; no crude sands sold.

2. Grinding pebbles.

TABLE 14. Mineral Production of British Columbia, 1949-1951

Product	1949		1950		1951	
	Quantity	Value	Quantity	Value	Quantity	Value
<b>Metallics:</b>						
Antimony	lb.	158,288	\$61,020	643,540	\$215,586	6,702,164
Bismuth	"	102,913	210,972	162,616	365,886	191,471
Cadmium	"	665,449	1,364,170	650,540	1,509,253	1,113,300
Copper	"	54,109,680	10,783,314	42,175,359	9,823,569	43,863,962
Gold	fine oz.	304,307	10,955,052	290,490	11,053,144	289,992
Indium	"	689	1,550	4,952	12,083	582
Iron ore	tons	5,472	63,212	—	—	113,535
Lead	lb.	265,378,899	\$41,929,866	267,319,716	\$38,627,700	255,528,868
Mercury	"	—	—	—	—	—
Palladium, rhodium, etc.	fine oz.	8	852	11	1,616	—
Platinum	"	93	7,016	118	9,714	22
Silver	"	7,573,506	5,623,328	8,528,107	6,892,416	8,342,414
Tin	lb.	619,117	633,047	796,403	828,259	346,718
Tungsten concentrates	"	252,380	252,380	284,078	160,343	—
Zinc	"	288,188,620	38,176,346	290,344,227	45,438,871	337,511,324
<b>Non-Metallics:</b>						
Arsenic ( $As_2O_3$ )	lb.	1	1	1	1	1
Barite	tons	1,314	13,145	1,440	17,284	1,248
Coal	"	1,906,963	10,798,560	1,730,445	9,740,088	—
Diatomite	"	36	963	4	108	8
Gypsum	"	79,913	616,966	84,627	620,108	105,908
Iron oxides (ochre)	"	2,752	23,301	—	—	—
Mica (schist)	"	289	5,675	227	5,533	304
Peat moss	"	44,581	1,508,093	45,565	1,498,219	46,947
Quartz	"	24,547	113,494	19,570	121,928	18,281
Sodium carbonate	"	47	513	—	—	—
Sulphur <sup>2</sup>	"	160,437	1,564,277	143,343	1,430,526	194,696
Soapstone, taic	"	—	—	132	1,324	—
<b>Structural Materials:</b>						
Cement	bbl.	1,254,239	3,029,425	1,275,867	3,088,296	1,325,026
Clay products	—	—	707,295	—	1,081,496	—
Lime	tons	57,226	1,221,287	51,858	910,676	55,346
Sand and gravel	"	8,723,407	4,750,620	5,808,218	3,709,875	6,177,068
Stone	"	2,133,611	1,970,172	1,606,133	1,724,304	1,406,787
<b>Total</b>	—	—	136,385,911	—	138,888,205	—
1. Considerable arsenic is contained in auriferous quartz ores exported. However this is not paid for and data relating to its possible recovery are unobtainable.						
2. Includes sulphur content of pyrites shipped and estimated sulphur contained in sulphuric acid and other products made from waste smelter gases.						
<b>176,278,932</b>						

TABLE 15. Mineral Production of the Northwest Territories and Yukon, 1949-1951

Product	1949		1950		1951	
	Quantity	Value	Quantity	Value	Quantity	Value
<b>Northwest Territories</b>						
Copper	lb.	—	—	—	1,934	536
Gold	fine oz.	177,493	6,389,748	200,663	7,635,227	212,211
Pitchblende products	"	1	—	1	—	1
Natural gas	M cu. ft.	65,234	6,523	33,335	12,818	19,333
Silver	fine oz.	70,505	52,350	62,111	50,198	64,228
Petroleum, crude	bbl.	155,528	353,108	186,729	352,656	227,449
Tungsten concentrates	lb.	—	—	—	—	—
<b>Total</b>	—	—	6,801,729	—	8,050,899	—
<b>Yukon</b>						
Metallics:						
Cadmium	lb.	—	—	56,410	130,871	66,452
Gold	fine oz.	81,970	2,950,920	93,339	3,551,549	77,504
Lead	lb.	5,356,405	846,312	12,885,518	1,861,957	12,533,071
Silver	fine oz.	1,562,730	1,160,327	3,202,779	2,588,486	3,442,788
Tungsten concentrates ( $WO_3$ )	lb.	847,246	112,255	5,507,173	861,873	2,833
Zinc	"	—	—	—	—	—
Non-Metallics:						
Coal	tons	3,156	29,382	3,703	40,960	3,696
<b>Total</b>	—	—	5,099,176	—	9,035,696	—
<b>9,793,176</b>						

1. Data not available for publication.

TABLE 16. Tonnage of Ore Mined and Rock Quarried in the Canadian Mining Industry, 1947-1951

	1947	1948	1949	1950	1951
Gold quartz ores .....	11,632,841	13,630,705	15,999,866	16,984,524	16,548,264
Copper-gold-silver ores .....	5,462,233	6,496,499	8,245,402	8,758,607	7,380,966
Nickel-copper ores .....	11,137,609	11,688,146	10,923,823	10,777,859	12,885,445
Silver-cobalt ores .....	10,572	8,905	38,798	69,437	129,077
Silver-lead-zinc ores .....	2,857,461	3,147,849	3,915,405	4,826,992	6,317,545
Miscellaneous metals (iron ore, etc.) .....	2,242,743	1,904,683	4,208,410	4,498,459	5,138,656
Asbestos .....	9,837,045	10,759,016	8,218,045	12,210,780	12,623,529
Feldspar and nepheline syenite .....	142,296	139,680	123,785	133,845	232,092
Quartz, exclusive of sand (shipments) .....	1,315,427	1,341,914	1,212,562	952,093	1,259,791
Gypsum and anhydrite .....	2,604,075	3,487,984	3,157,114	3,780,211	3,938,377
Talc and soapstone .....	25,834	30,319	28,935	33,686	27,047
Iron oxides .....	20,664	22,935	22,443	20,622	20,505
Other non-metals .....	685,704	754,668	488,549	522,135	671,974
Stone, all kinds, quarries (exclusive of stone used for cement and lime) .....	10,889,388	11,696,643	13,928,039	18,087,064	18,676,706
Stone used for the manufacture of cement .....	3,215,714	3,612,615	4,140,900	4,119,216	4,246,501
Estimate rock for the manufacture of lime .....	1,730,819	1,792,700	1,737,508	1,928,127	2,164,298
Total (other than coal) .....	63,810,425	70,515,241	76,638,584	87,703,636	92,260,973

TABLE 17. Yearly Average Prices of Copper, Lead, Zinc and Silver from 1932  
(Copper, lead and zinc in U.S. cents per pound; silver, U.S. cents per ounce)  
(From the American Bureau of Metal Statistics)

Year	Copper New York	Lead New York	Zinc	Silver New York	Year	Copper New York	Lead New York	Zinc	Silver New York
	Yearly average	Yearly average	Yearly average	Yearly average <sup>1</sup>		Yearly average	Yearly average	Yearly average	Yearly average <sup>1</sup>
1932 .....	5.555	3,180	2.876	27.892	1942 .....	11.775	6.481	8.250	38.333
1933 .....	7.025	3,869	4.029	34.727	1943 .....	11.775	6.500	8.250	44.750
1934 .....	8.428	3,860	4.158	47.973	1944 .....	11.775	6.500	8.250	44.750
1935 .....	8.649	4.065	4.328	64.273	1945 .....	11.775	6.500	8.250	51.928
1936 .....	9.474	4.710	4.901	45.087	1946 .....	13.820	8.109	8.726	80.151
1937 .....	13.167	6.009	6.519	44.883	1947 .....	20.958	14.673	10.500	71.820
1938 .....	10.000	4.739	4.610	43.225	1948 .....	22.038	18.043	13.589	74.361
1939 .....	10.965	5.053	5.110	39.082	1949 .....	19.202	15.364	12.144	71.930
1940 .....	11.296	5.179	6.335	34.773	1950 .....	21.235	13.296	13.866	74.169
1941 .....	11.797	5.793	7.474	34.783	1951 .....	24.200	17.500	18.000	89.368

1. 1932-1949 for other than newly mined domestic.

TABLE 18. Average Annual Metal Prices, in Canadian Dollars, 1932-1951

Year	Gold	Silver	Copper	Lead	Zinc	Year	Gold	Silver	Copper	Lead	Zinc
	Troy oz.	Troy oz.	Pound	Pound <sup>2</sup>	Pound <sup>2</sup>		Troy oz.	Troy oz.	Pound	Pound <sup>2</sup>	Pound <sup>2</sup>
1932 .....	\$	\$	\$	\$	\$	1942 .....	\$	\$	\$	\$	\$
	23.47	0.317	0.0638	0.021	0.024	1943 .....	38.50	0.4216	0.101	0.034	0.034
1933 .....	28.60	0.378	0.0745	0.024	0.032	1944 .....	38.50	0.4525	0.1175	0.0375	0.040
1934 .....	34.50	0.475	0.0742	0.024	0.030	1945 .....	38.50	0.430	0.120	0.045	0.043
1935 .....	35.19	0.648	0.0780	0.031	0.031	1946 .....	38.50	0.470	0.1255	0.050	0.0644
1936 .....	35.03	0.451	0.0948	0.039	0.033	1947 .....	36.75	0.8365	0.128	0.0675	0.0781
1937 .....	34.99	0.449	0.131	0.051	0.0490	1948 .....	35.00	0.72	0.2039	0.1367	0.1123
1938 .....	35.17	0.435	0.0997	0.034	0.031	1949 .....	35.00	0.75	0.2235	0.1804	0.1393
1939 .....	36.14	0.405	0.101 <sup>2</sup>	0.032	0.031	1950 .....	36.00	0.7425	0.1997	0.158	0.1325
1940 .....	38.50	0.382	0.101	0.034	0.034	1951 .....	36.05	0.6082	0.2342	0.1445	0.1568
1941 .....	38.50	0.3826	0.101	0.034	0.034		36.85	0.9455	0.277	0.184	0.199

1. Based on New York; 1932-1942 based on London.

2. Based on London; prices controlled by Government 1939-1947. Based on New York 1947-1950. Montreal prices in 1951.

TABLE 19. Production of Leading Mineral Products, by Months, 1949-1951

No.		Asbestos	Cement	Clay products	Coal	Copper	Gold	Gypsum
		tons	barrels	\$	tons	pounds	ounces	tons
1949								
1	January.....	48,872	622,621	1,289,898	1,856,141	41,685,168	310,981	152,998
2	February.....	26,148	910,064	1,182,116	1,688,433	43,156,293	308,724	128,567
3	March .....	11,770	1,403,336	1,354,934	1,685,130	43,872,003	343,877	107,273
4	April .....	16,002	1,536,897	1,251,646	1,228,782	45,175,710	327,828	164,934
5	May .....	22,713	1,471,029	1,533,827	1,341,549	43,382,915	333,126	269,187
6	June .....	29,117	1,626,434	1,670,583	1,326,988	40,589,190	344,275	272,483
7	July.....	64,735	1,521,147	1,557,179	1,131,342	42,987,651	327,235	370,133
8	August .....	72,114	1,652,945	1,749,234	1,278,136	45,612,657	359,931	356,182
9	September.....	71,963	1,559,238	1,737,812	1,747,084	44,302,193	364,689	380,463
10	October.....	72,157	1,465,952	1,721,831	1,929,796	44,621,788	366,880	387,993
11	November.....	77,354	1,382,718	1,581,275	2,091,769	44,164,496	362,972	250,200
12	December .....	61,961	764,183	1,351,374	1,814,896	47,363,568	373,200	173,836
13	Total.....	574,906	15,916,564	17,981,709	18,120,046	526,913,632	4,123,518	3,014,249
1950								
14	January.....	57,172	652,920	1,166,388	1,801,536	44,086,877	353,615	157,359
15	February.....	57,961	790,500	1,079,468	1,775,859	45,286,579	349,291	141,510
16	March .....	68,356	1,233,425	1,509,122	1,897,084	44,695,769	382,624	137,326
17	April .....	68,730	1,383,134	1,319,229	1,316,889	44,567,293	369,070	200,839
18	May .....	71,772	2,136,103	2,045,406	1,460,561	44,756,294	373,124	275,521
19	June .....	67,781	1,849,368	2,150,876	1,363,135	40,842,159	368,347	357,026
20	July.....	57,389	1,681,110	2,011,486	1,136,104	42,688,407	367,766	411,757
21	August .....	71,519	1,614,646	2,068,138	1,066,014	42,717,742	375,924	449,646
22	September.....	92,215	1,615,506	2,263,482	1,515,163	41,910,478	364,361	438,878
23	October.....	96,610	1,558,140	2,276,650	1,815,985	44,479,964	376,315	470,778
24	November.....	89,678	1,435,354	2,169,115	2,061,482	46,868,657	378,294	412,529
25	December .....	76,161	791,620	1,731,528	1,927,300	45,518,077	382,496	213,167
26	Total.....	873,344	16,741,826	21,790,888	19,139,112	528,418,296	4,441,227	3,668,338
1951								
27	January.....	74,125	895,498	1,760,474	1,933,641	45,699,203	376,874	198,272
28	February.....	71,463	960,037	1,493,489	1,617,761	40,704,890	349,484	183,334
29	March .....	94,905	1,385,209	1,773,239	1,492,241	48,694,049	374,774	184,077
30	April .....	86,767	1,542,365	1,791,604	1,393,621	47,825,258	365,806	227,392
31	May .....	93,241	1,890,568	2,313,439	1,349,115	47,097,815	371,585	270,554
32	June .....	82,990	1,686,081	2,316,151	1,303,024	45,306,265	364,910	349,224
33	July.....	71,027	1,599,009	2,279,143	1,084,109	45,074,181	346,690	466,936
34	August .....	80,398	1,762,223	2,268,734	1,247,491	45,401,149	347,383	492,038
35	September.....	82,479	1,550,402	2,069,000	1,511,904	43,651,086	381,386	479,746
36	October.....	82,504	1,657,181	2,370,127	1,877,303	41,944,219	380,827	449,194
37	November .....	85,623	1,288,048	1,853,982	2,047,535	44,297,878	374,888	313,919
38	December .....	67,676	791,191	1,238,274	1,729,078	44,245,596	378,144	188,096
39	Total.....	973,198	17,007,812	23,527,158	18,588,823	539,941,589	4,392,731	3,802,692

TABLE 19. Production of Leading Mineral Products, by Months, 1949-1951

Iron ore tons	Lead pounds	Lime tons	Natural gas M cu. ft.	Nickel pounds	Petroleum barrels	Salt tons	Silver ounces	Zinc pounds	No.
2,457	21,496,408	84,869	7,705,565	22,558,558	1,355,519	61,041	990,835	43,528,654	1
559	21,158,059	74,918	6,951,069	21,920,914	1,440,181	55,640	983,619	39,692,332	2
—	19,552,591	86,421	5,749,745	25,434,591	1,746,062	50,794	1,317,934	46,647,844	3
101,288	22,444,966	87,324	4,225,577	22,292,845	1,840,193	53,398	1,264,655	34,301,227	4
254,496	35,721,965	89,048	3,877,846	22,521,641	1,714,533	60,430	1,521,789	49,264,265	5
523,284	28,318,949	88,897	3,485,920	21,349,732	1,700,804	65,983	2,231,099	54,525,956	6
706,792	22,010,972	82,843	3,328,737	19,346,513	1,775,084	65,133	1,761,798	56,690,080	7
668,581	25,321,680	79,907	3,361,406	20,027,289	1,969,615	64,660	1,213,992	51,474,542	8
470,723	25,520,282	84,156	3,724,535	19,231,188	2,167,332	72,171	1,181,567	45,411,839	9
448,529	26,556,442	90,344	5,035,311	21,654,727	2,058,419	68,563	1,923,039	51,230,397	10
335,991	26,937,596	86,462	4,968,542	19,499,864	1,914,580	70,123	1,526,528	49,452,656	11
162,396	44,509,955	83,614	8,042,924	21,541,354	1,782,000	61,079	1,744,638	54,304,305	12
3,675,096	319,549,865	1,018,823	60,457,177	257,379,216	21,464,322	749,015	17,841,493	576,524,097	13
2,731	18,993,466	79,029	9,361,673	20,487,323	1,925,663	60,405	1,246,954	48,120,097	14
35,868	21,786,670	77,013	6,526,037	19,219,858	1,950,540	62,959	1,446,720	44,821,983	15
34,969	25,992,199	86,004	6,488,696	18,649,637	2,444,178	66,815	1,848,367	50,109,483	16
28,218	20,973,593	85,778	5,262,281	22,467,066	2,045,425	60,488	1,528,373	47,284,204	17
401,014	26,968,565	90,708	4,253,265	22,042,657	1,959,143	70,528	1,831,087	61,469,860	18
500,298	28,948,998	104,574	3,393,721	21,635,959	2,183,201	77,387	2,055,615	53,411,296	19
459,028	33,471,960	96,754	3,562,588	18,757,282	2,614,485	66,811	2,351,147	51,909,058	20
519,527	28,766,599	91,360	3,687,335	15,441,941	2,468,623	67,516	2,314,948	51,697,847	21
597,452	30,583,366	98,213	4,255,164	23,444,806	2,728,948	81,895	2,207,141	58,223,005	22
563,958	37,104,339	106,681	5,782,198	20,706,689	2,979,864	82,198	2,495,308	53,259,434	23
287,102	34,475,479	108,581	7,449,587	23,823,667	3,190,724	84,657	1,959,799	51,829,468	24
175,096	23,328,894	99,493	7,799,685	20,638,962	2,602,930	77,237	1,935,972	54,318,863	25
3,605,261	331,394,128	1,124,188	67,822,230	247,317,867	29,093,724	838,896	23,221,431	626,454,598	26
44,367	32,277,995	98,231	9,035,144	21,985,444	2,942,977	77,583	2,023,846	53,411,689	27
31,305	24,060,231	91,351	7,790,807	19,402,702	2,752,279	74,397	1,630,537	52,395,150	28
36,495	25,325,922	103,820	8,142,685	23,352,783	2,465,597	75,140	1,789,375	54,011,835	29
160,622	20,174,516	104,036	5,976,931	21,205,809	2,424,661	71,579	1,498,505	53,226,546	30
524,327	22,307,213	111,018	5,130,420	25,055,554	4,446,704	80,247	1,882,891	53,721,174	31
652,249	27,690,169	104,174	4,892,893	23,778,056	4,717,187	80,893	2,431,662	56,269,967	32
717,929	22,087,824	103,132	4,373,403	23,656,491	4,898,360	88,683	1,831,554	57,578,261	33
693,530	27,661,563	109,035	4,869,688	24,608,539	5,281,214	83,581	2,038,937	62,655,104	34
596,759	23,856,110	101,044	5,457,208	23,363,012	4,882,591	80,214	1,926,070	58,409,213	35
615,101	30,177,685	115,055	6,974,831	23,516,513	4,829,341	87,196	2,017,221	60,024,296	36
350,176	29,842,748	105,281	7,652,880	23,140,438	4,050,977	91,094	2,019,253	59,923,204	37
257,650	31,200,775	94,864	9,163,977	22,740,931	3,923,646	74,118	2,035,974	60,597,716	38
4,680,510	316,482,751	1,241,041	79,480,687	275,806,272	47,615,534	984,525	23,125,825	682,224,335	39

## MINERAL STATISTICS OF CANADA

TABLE 20. Principal Statistics of the Mineral Industry, by Industries, 1947-1951

Year	Number of active firms	Number of operating mines, oil and gas wells, quarries, gravel pits, etc.	Number of employees	Salaries and wages	Gross value of production f.o.b. shipping points	Cost of process supplies, purchased electricity and fuel, also freight and smelter charges	Net value of bullion, ore, concentrates, residues and other minerals shipped from the mines, smelters, brick and cement plants and quarries							
							\$	\$						
(a) Metal Mining Industries														
Alluvial Gold Mines														
1947.....	46	46	458	1,684,449	1,873,165	236,079	1,635,086							
1948.....	47	47	495	1,603,065	2,769,562	483,149	2,286,413							
1949.....	56	56	398	1,509,423	3,499,823	579,533	2,920,290							
1950.....	58	58	411	1,598,875	4,144,531	532,348	3,612,183							
1951.....	47	47	362	1,553,103	3,572,516	621,174	2,951,342							
Auriferous Quartz Mines														
1947.....	516	517	22,906	54,612,474	96,126,278	26,398,328	69,727,950							
1948.....	280	282	22,566	59,515,678	108,664,082	28,277,570	80,386,512							
1949.....	246	247	22,358	61,293,334	129,550,461	32,970,157	96,580,304							
1950.....	280	281	22,491	64,533,114	144,044,607	35,204,245	108,840,362							
1951.....	203	211	22,126	68,739,531	136,703,452	36,643,949	100,059,503							
Copper-Gold-Silver Mines														
1947.....	31	32	5,220	13,149,093	70,298,693	18,125,109	52,173,584							
1948.....	35	37	6,401	17,919,526	107,831,148	22,178,942	85,652,206							
1949.....	30	33	7,395	21,776,150	105,994,498	31,402,838	74,591,660							
1950.....	55	56	7,554	23,489,366	121,853,818	38,671,894	83,181,924							
1951.....	80	82	6,223	21,545,660	123,162,228	30,830,233	92,331,995							
Silver-Cobalt Mines														
1947.....	12	12	183	359,963	343,937	90,374	253,563							
1948.....	17	17	172	413,095	499,068	177,653	321,415							
1949.....	18	18	264	607,782	822,881	319,309	503,572							
1950.....	20	20	364	883,281	2,940,146	631,933	2,308,213							
1951.....	20	22	514	1,406,783	4,539,842	899,494	3,640,348							
Silver-Lead-Zinc Mines														
1947.....	60	62	3,240	8,304,915	78,124,588	18,262,251	59,862,251							
1948.....	77	84	4,040	11,421,086	108,917,205	22,923,228	85,993,977							
1949.....	101	111	5,438	15,676,043	100,349,929	33,241,764	67,108,165							
1950.....	112	112	5,939	17,632,755	122,718,491	36,872,621	85,845,870							
1951.....	144	168	9,324	30,380,859	185,692,981	53,783,766	131,909,215							
Nickel-Copper Mines														
1947.....	18	24	6,144	15,685,963	54,495,840	8,284,711	46,211,129							
1948.....	11	15	6,920	20,492,920	56,953,020	5,976,740	50,976,280							
1949.....	7	11	7,053	22,517,855	52,945,060	6,981,288	45,963,772							
1950.....	5	10	7,713	25,313,838	53,942,530	7,914,476	46,028,054							
1951.....	5	11	9,831	34,974,971	64,352,735	10,182,069	54,170,666							
Miscellaneous Metal Mines														
1947.....	18	19	1,183	2,970,903	10,182,339	4,472,117	5,710,222							
1948.....	25	26	1,296	3,878,527	8,725,661	4,100,667	4,624,994							
1949.....	21	21	3,275	8,894,642	21,466,327	5,776,330	15,689,997							
1950.....	16	16	3,225	8,578,969	23,646,960	8,538,649	15,108,311							
1951.....	31	31	3,891	12,251,755	31,474,736	9,708,893	21,765,843							
Total Metal Mining														
1947.....	701	712	39,314	96,767,760	311,444,840	75,871,055	235,573,775							
1948.....	492	508	41,890	114,743,897	394,359,746	84,117,949	310,241,597							
1949.....	479	497	46,181	132,275,227	414,628,979	111,271,219	303,357,760							
1950.....	546	553	47,697	142,030,198	473,291,083	128,366,166	344,924,917							
1951.....	530	572	52,271	170,852,662	349,498,490	142,669,578	406,828,912							

1. See footnote at end of table.

Note. The number of producing metal mines was as follows: in 1947 - 221; in 1948 - 248; in 1949 - 265; in 1950 - 254; in 1951 - 245.

TABLE 20. Principal Statistics of the Mineral Industry, by Industries, 1947-1951 - Continued

Year	Number of active firms	Number of operating mines, oil and gas wells, quarries, gravel pits, etc.	Number of employees	Salaries and wages	Gross value of production f.o.b. shipping points	Cost of process supplies, purchased electricity and fuel, also freight and smelter charges <sup>1</sup>	Net value of bullion, ore, concentrates, residues and other minerals shipped from the mines, smelters, brick and cement plants and quarries						
							\$						
(a) Metal Mining Industries — Concluded													
Non-Ferrous Smelting and Refining													
1947 .....	9	16	17,449	40,767,871	453,033,942	337,235,290	115,798,652						
1948 .....	9	17	19,701	52,276,836	576,383,967	429,553,076	146,830,891						
1949 .....	10	16	19,150	55,133,065	599,188,135	417,280,288	181,907,847						
1950 .....	10	17	19,863	58,748,362	669,882,806	467,171,025	202,711,781						
1951 .....	10	17	22,814	75,474,505	861,315,930	598,343,141	262,972,789						
Total Metals													
1947 .....	710	728	56,783	137,535,631	See note at end of table	413,106,345 513,671,025 528,551,507 595,537,191 741,012,719	351,372,427 457,072,688 485,263,607 547,636,698 669,801,701						
(b) Fuel Industries													
Coal													
1947 .....	312	350	22,227	46,312,295	73,319,421	11,701,500	61,617,921						
1948 .....	311	351	24,319	58,503,607	101,850,466	16,226,321	85,624,145						
1949 .....	296	328	24,230	61,204,632	110,915,121	15,496,981	95,418,140						
1950 .....	297	363	23,418	60,938,980	110,140,399	14,464,916	95,675,483						
1951 .....	268	315	22,647	63,127,966	109,038,835	16,547,467	92,491,368						
Natural Gas													
1947 .....	186	3,799	1,784	3,057,249	12,333,332	240,319	12,093,013						
1948 .....	175	3,833	1,831	2,918,941	14,689,737	67,065	14,622,672						
1949 .....	184	3,927	2,223	4,713,266	17,582,512	63,512	17,519,000						
1950 .....	196	3,991	2,618	5,703,524	6,444,215	166,180	6,258,035						
1951 .....	201	3,985	2,658	6,491,234	6,691,223	174,884	6,516,339						
Petroleum													
1947 .....	228	2,296	1,296	3,055,108	19,543,301	876,592	18,666,709						
1948 .....	246	2,581	1,641	4,391,929	37,388,975	2,052,808	35,336,167						
1949 .....	273	3,166	2,142	6,304,601	61,091,128	985,707	60,105,421						
1950 .....	260	3,849	2,417	7,848,539	84,595,945	1,714,101	82,861,844						
1951 .....	288	4,761	3,185	11,518,781	116,365,729	3,210,493	113,155,236						
Total Fuels													
1947 .....	726	6,445	25,307	52,424,652	105,196,054	12,818,411	92,377,643						
1948 .....	732	6,765	27,791	65,814,477	153,929,178	18,346,194	135,582,984						
1949 .....	753	7,421	28,595	72,222,499	189,588,761	16,546,200	173,042,561						
1950 .....	753	8,203	28,453	74,491,043	201,180,559	16,365,197	184,815,362						
1951 .....	757	9,061	28,490	81,137,981	232,095,787	19,932,844	212,162,943						
(c) Non-Metal Mining Industries													
Asbestos													
1947 .....	9	12	4,885	9,165,450	33,015,965	6,824,465	26,191,500						
1948 .....	11	15	4,959	12,136,615	42,278,721	7,856,902	34,421,819						
1949 .....	15	17	4,053	10,569,071	39,784,651	6,168,308	33,616,343						
1950 .....	15	19	5,552	15,848,829	65,908,396	10,267,587	55,640,809						
1951 .....	21	24	5,923	20,024,208	81,624,009	13,073,794	68,550,215						
Feldspar, Quartz and Nepheline Syenite													
1947 .....	38	39	593	1,134,107	2,641,857	719,986	1,921,871						
1948 .....	36	36	562	1,184,257	3,285,065	666,906	2,598,159						
1949 .....	31	31	442	946,268	2,650,035	465,253	2,184,782						
1950 .....	36	36	476	1,056,129	3,021,555	487,988	2,553,587						
1951 .....	33	33	532	1,402,294	3,926,523	741,571	3,184,952						

1. See footnote at end of table.

TABLE 20. Principal Statistics of the Mineral Industry, by Industries, 1947-1951 — Continued

Year	Number of active firms	Number of operating mines, oil and gas wells, quarries, gravel pits, etc.	Number of employees	Salaries and wages	Gross value of production f.o.b. shipping points	Cost of process supplies, purchased electricity and fuel, also freight and smelter charges <sup>1</sup>	Net value of bullion, ore, concentrates, residues and other minerals shipped from the mines, smelters, brick and cement plants and quarries							
							\$	\$						
(c) Non-Metal Mining Industries — Concluded														
Gypsum														
1947 .....	8	13	908	1,695,711	4,782,429	1,049,297	3,733,132							
1948 .....	9	14	995	2,272,358	5,642,881	1,871,868	3,771,013							
1949 .....	9	14	925	2,226,703	5,425,045	1,481,874	3,943,171							
1950 .....	8	13	1,004	2,412,698	6,710,564	1,775,427	4,935,137							
1951 .....	8	13	1,018	2,648,803	5,881,546	2,160,584	3,720,962							
Iron Oxides (Ochre)														
1947 .....	6	6	54	82,369	258,322	40,904	217,418							
1948 .....	7	7	55	84,559	203,391	38,265	165,126							
1949 .....	8	8	44	73,111	207,887	40,406	167,481							
1950 .....	6	6	44	70,404	262,632	37,360	225,272							
1951 .....	5	5	43	87,283	262,277	42,425	219,852							
Mica														
1947 .....	38	38	118	147,351	200,903	28,595	172,308							
1948 .....	34	34	109	118,982	219,948	32,850	187,098							
1949 .....	34	34	96	115,667	108,458	20,516	87,942							
1950 .....	26	26	100	136,727	252,611	47,388	205,223							
1951 .....	31	31	138	182,033	447,650	32,728	414,922							
Peat														
1947 .....	42	42	1,224	1,602,265	2,808,639	672,144	2,136,495							
1948 .....	41	41	1,032	1,532,977	3,407,825	810,071	2,597,754							
1949 .....	42	43	1,129	1,510,105	2,987,332	700,260	2,287,072							
1950 .....	37	39	1,118	1,530,866	2,868,202	767,110	2,101,092							
1951 .....	33	37	859	1,247,619	3,149,444	831,434	2,318,010							
Salt														
1947 .....	10	10	700	1,399,693	5,366,032	1,872,839	3,493,193							
1948 .....	11	11	673	1,367,353	5,828,467	2,062,682	3,765,785							
1949 .....	11	12	698	1,565,210	6,621,483	1,904,760	4,716,723							
1950 .....	9	13	643	1,521,593	8,100,113	2,180,610	5,919,503							
1951 .....	7	12	689	1,633,222	9,201,265	2,569,376	6,631,889							
Talc and Soapstone														
1947 .....	5	5	73	110,527	266,377	41,690	224,687							
1948 .....	5	5	58	102,087	309,823	29,250	280,573							
1949 .....	3	3	59	105,736	320,793	64,252	256,541							
1950 .....	5	6	58	116,547	364,635	66,775	297,860							
1951 .....	3	3	50	109,522	305,338	62,955	242,383							
Miscellaneous Non-Metal Mines														
1947 .....	41	42	1,038	2,004,489	5,130,972	1,651,544	3,479,428							
1948 .....	38	40	1,161	2,497,918	6,034,352	1,977,985	4,056,367							
1949 .....	37	37	1,160	2,632,808	6,236,811	1,774,881	4,461,930							
1950 .....	41	42	1,121	2,640,013	6,709,579	1,888,256	4,821,324							
1951 .....	39	39	1,359	3,699,789	8,914,360	2,704,474	6,209,886							
Total Non-Metal Mining Industries														
1947 .....	199	207	9,593	17,341,962	54,471,496	12,901,464	41,570,032							
1948 .....	192	203	9,604	21,297,106	67,190,473	15,346,779	51,843,694							
1949 .....	190	199	8,606	19,744,679	64,342,495	12,620,510	51,721,985							
1950 .....	183	200	10,116	25,333,806	94,198,287	17,498,480	76,699,807							
1951 .....	180	197	10,611	31,034,773	113,712,412	22,219,341	91,493,071							

TABLE 20. Principal Statistics of the Mineral Industry, by Industries, 1947-1951 — Concluded

Year	Number of active firms	Number of operating mines, oil and gas wells, quarries, gravel pits, etc.	Number of employees	Salaries and wages	Gross value of production f.o.b. shipping points	Cost of process supplies, purchased electricity and fuel, also freight and smelter charges <sup>1</sup>	Net value of bullion, ore, concentrates, residues and other minerals shipped from the mines, smelters, brick and cement plants and quarries
				\$	\$	\$	\$
(d) Clay Products and Other Structural Materials							
Clay Products							
1947 .....	115	124	3,352	6,204,705	14,486,189	3,219,256	11,266,933
1948 .....	107	117	3,746	7,505,765	17,629,048	4,026,603	13,602,445
1949 .....	114	124	3,603	7,924,841	17,981,709	3,904,967	14,076,742
1950 .....	122	134	3,663	8,583,912	21,790,888	4,655,254	17,135,634
1951 .....	118	129	3,737	9,731,657	23,527,656	5,208,555	18,319,101
Cement							
1947 .....	3	8	1,650	3,679,446	23,582,011	10,132,574	13,449,437
1948 .....	3	8	1,723	4,356,086	30,561,717	12,857,198	17,704,519
1949 .....	3	8	1,721	4,754,611	35,065,152	13,987,830	21,077,322
1950 .....	3	8	1,781	5,235,735	38,200,513	15,109,409	23,091,104
1951 .....	4	10	1,931	6,242,900	43,023,845	16,392,344	26,631,501
Lime							
1947 .....	37	42	1,038	2,052,801	8,850,023	3,086,779	5,763,244
1948 .....	37	42	1,121	2,459,299	11,074,871	3,790,233	7,284,638
1949 .....	38	42	1,060	2,485,601	11,796,002	3,572,730	8,223,272
1950 .....	37	43	1,133	2,760,960	12,826,921	4,052,688	8,774,233
1951 .....	38	44	1,096	3,053,602	14,670,197	4,279,967	10,390,230
Sand and Gravel							
1947 .....	1,621	5,458	3,430	4,941,148	23,114,431	813,027	22,301,404
1948 .....	1,740	6,102	4,197	7,057,193	30,629,596	1,101,024	29,528,572
1949 .....	1,789	6,952	3,863	7,491,081	31,181,541	1,500,164	29,681,377
1950 .....	1,842	7,348	4,120	8,712,440	36,434,759	1,907,445	34,527,314
1951 .....	1,889	7,591	4,060	10,414,559	44,627,559	2,309,809	42,317,750
Stone							
1947 .....	409	483	3,166	5,380,259	16,464,749	2,255,930	14,208,819
1948 .....	435	554	3,082	5,990,922	17,948,553	2,617,663	15,330,890
1949 .....	451	549	3,728	7,615,572	20,528,073	3,399,603	17,128,470
1950 .....	457	589	3,562	7,548,241	25,895,357	3,614,585	22,280,772
1951 .....	435	536	3,861	9,218,694	28,649,768	4,677,322	23,972,446
Total Clay Products and Other Structural Materials							
1947 .....	2,185	6,115	12,836	22,258,359	86,497,403	19,507,566	66,989,837
1948 .....	2,322	6,823	13,869	27,369,265	107,843,785	24,392,721	83,451,064
1949 .....	2,395	7,675	13,975	30,271,706	116,352,477	26,365,294	90,187,183
1950 .....	2,461	8,122	14,259	32,841,288	135,148,438	29,339,381	105,809,057
1951 .....	2,484	8,310	14,685	38,661,612	154,499,025	32,867,997	121,631,028
GRAND TOTAL OF ALL INDUSTRIES							
1947 .....	3,818	13,495	104,519	229,560,604	See note below	458,333,786	552,309,949
1948 .....	3,746	14,315	112,855	282,001,582		571,756,719	727,950,430
1949 .....	3,827	15,808	116,507	309,647,178		584,083,511	800,217,336
1950 .....	3,953	17,095	120,388	333,444,697		638,740,249	914,960,924
1951 .....	3,961	18,157	128,871	397,161,533		816,032,901	1,095,088,743

Note. In this table the compilations are on an industry basis, and the gross value of production, except for non-ferrous smelting and refining, is computed on the basis of values f.o.b. mines or shipping points. For non-metals, fuels and structural materials there are only small differences between the totals made up on the industry basis and the totals prepared on a commodity basis as recorded in tables 1 to 14 of this report; the cost of containers is included in the industry figures and there are some minor discrepancies because of methods of compilation. For the metals the difference between the two sets of figures is much greater, principally because in the commodity compilations (Tables 1 to 14) the output is measured at the smelter stage.

Because of the inclusion of figures for the non-ferrous smelting and refining industry there would be considerable duplication in the overall gross value of production. Excluding smelters and refineries the gross value of production for the mineral industries was as follows: in 1947 — \$557,609,793; in 1948 — \$723,323,182; in 1949 — \$785,112,712; in 1950 — \$903,818,367; in 1951 — \$1,049,805,714.

## MINERAL STATISTICS OF CANADA

TABLE 21. Principal Statistics of the Mineral Industry, by Provinces, 1947-1951

Year	Number of operating mines, oil and gas wells, quarries, gravel pits, etc.	Number of employees	Salaries and wages	Cost of process supplies, purchased electricity and fuel, also freight and smelter charges <sup>1</sup>	Net value of bullion, ore, concentrates, residues and other minerals shipped from the mines, smelters, brick and cement plants and quarries
					\$
Newfoundland					
1949 .....	810	3,807	8,926,150	7,056,347	17,471,590
1950 .....	880	3,558	7,763,217	7,784,138	20,162,905
1951 .....	769	4,114	10,984,035	8,781,988	25,331,153
Nova Scotia					
1947 .....	847	11,718	21,637,321	7,092,436	25,851,459
1948 .....	711	13,957	32,491,530	11,482,321	44,069,431
1949 .....	664	13,557	32,727,764	9,266,391	47,125,183
1950 .....	663	13,364	34,698,277	9,633,894	50,160,271
1951 .....	615	13,799	37,388,122	10,963,266	49,170,075
New Brunswick					
1947 .....	431	1,473	2,349,749	754,369	5,076,591
1948 .....	421	1,639	3,039,036	1,128,770	5,959,256
1949 .....	399	1,745	3,310,220	1,114,265	6,073,542
1950 .....	435	1,804	3,631,388	1,247,322	11,567,032
1951 .....	383	1,526	3,283,050	1,530,021	8,036,297
Quebec					
1947 .....	3,529	24,930	50,729,876	135,047,443	122,998,963
1948 .....	3,837	27,809	64,395,934	178,689,225	165,762,032
1949 .....	3,721	26,471	66,633,847	204,633,051	183,199,468
1950 .....	3,935	27,909	74,652,149	249,645,062	237,957,690
1951 .....	4,288	30,349	92,213,392	294,306,681	270,477,503
Ontario					
1947 .....	6,420	34,727	80,436,924	171,660,372	194,853,504
1948 .....	6,274	36,079	95,046,248	196,424,417	228,112,583
1949 .....	6,508	36,980	103,684,179	184,481,852	263,605,255
1950 .....	6,719	39,549	114,370,430	199,588,152	298,002,994
1951 .....	6,832	43,451	138,056,626	246,976,014	365,526,388
Manitoba					
1947 .....	183	2,547	5,836,505	12,002,207	14,630,955
1948 .....	376	2,736	7,156,024	20,299,821	21,861,157
1949 .....	170	2,648	7,558,052	17,543,482	19,670,622
1950 .....	168	2,776	8,569,746	22,220,350	23,499,082
1951 .....	218	2,632	9,091,188	23,795,085	23,181,449
Saskatchewan					
1947 .....	314	2,831	6,856,253	29,844,989	29,577,508
1948 .....	178	2,881	6,007,116	31,422,833	44,998,172
1949 .....	451	3,079	9,404,837	33,732,987	33,809,443
1950 .....	524	2,729	8,605,454	25,582,035	29,834,220
1951 .....	517	2,930	10,891,010	38,256,009	42,577,160

Note. Plants in the provinces do not add to Canada total, owing to the fact that a plant located on the Manitoba-Saskatchewan boundary is counted but once.

TABLE 21. Principal Statistics of the Mineral Industry, by Provinces, 1947-1951 — Concluded

Year	Number of operating mines, oil and gas wells, quarries, gravel pits, etc.	Number of employees	Salaries and wages	Cost of process supplies, purchased electricity and fuel, also freight and smelter charges <sup>1</sup>	Net value of bullion, ore, concentrates, residues and other minerals shipped from the mines, smelters, brick and cement plants and quarries
					\$
Alberta					
1947 .....	1,040	11,365	25,528,877	6,477,949	58,099,365
1948 .....	1,375	11,951	29,085,041	8,884,543	80,931,360
1949 .....	1,865	12,260	32,180,770	8,925,833	111,162,841
1950 .....	2,626	12,135	32,755,745	8,876,175	127,271,937
1951 .....	3,493	12,198	37,095,311	11,097,643	156,633,663
British Columbia					
1947 .....	825	13,546	31,631,916	94,119,191	97,781,055
1946 .....	1,055	14,384	38,033,557	121,198,606	129,964,244
1949 .....	1,136	14,632	40,465,801	114,840,330	108,944,255
1950 .....	1,044	15,076	42,562,240	130,731,298	102,530,263
1951 .....	981	16,273	51,117,166	176,552,011	140,575,198
Northwest Territories					
1947 .....	97	836	2,468,094	825,809	1,874,341 <sup>2</sup>
1948 .....	78	826	2,721,296	1,177,924	3,065,192 <sup>2</sup>
1949 .....	76	826	2,694,496	1,208,929	5,582,240 <sup>2</sup>
1950 .....	80	884	3,249,770	1,645,321	6,377,212
1951 .....	35	904	3,822,078	1,800,882	6,466,033
Yukon					
1947 .....	9	548	2,085,089	509,021	1,575,208
1948 .....	10	593	2,025,800	1,048,259	3,207,003
1949 .....	8	502	2,061,062	1,279,544	3,572,693
1950 .....	22	604	2,586,281	1,786,502	7,597,298
1951 .....	26	695	3,219,555	1,973,301	7,063,914
Canada					
1947 .....	13,495	104,519	229,560,604	458,333,786	552,309,949
1948 .....	14,315	112,855	282,001,582	571,756,719	727,950,430
1949 .....	15,808	116,507	309,647,178	584,083,511	800,217,336
1950 .....	17,095	120,388	333,444,697	658,740,249	914,960,924
1951 .....	18,157	128,871	397,161,533	816,032,901	1,095,088,743

1. Includes fuel and electricity used for metallurgical purposes.

2. Data on pitchblende not included.

Note. Plants in the provinces do not add to Canada total, owing to the fact that a plant located on the Manitoba-Saskatchewan boundary is counted but once.

TABLE 22. Employees, Salaries and Wages, in the Mineral Industry, by Industries, 1951

Industry	Average number of employees					Total number of man- hours worked <sup>1</sup>	Salaries and wages			
	Office and administrative		Workmen		Total <sup>1</sup>		Office and administrative	Workmen	Total	
	Male	Female	Male	Female			Office and administrative	Workmen		
Metal Mining:							\$	\$	\$	
Alluvial gold .....	13	—	342	7	362	1,546,917	68,170	1,434,933	1,553,103	
Auriferous quartz .....	2,777	194	19,070	85	22,126	52,224,723	11,028,345	57,711,186	68,739,531	
Copper-gold-silver .....	692	147	5,341	43	6,223	15,149,388	3,407,953	18,137,707	21,545,660	
Silver-cobalt .....	64	4	441	5	514	1,221,781	228,621	1,178,162	1,406,783	
Silver-lead-zinc .....	1,117	103	7,968	136	9,324	20,647,209	4,749,068	25,631,791	30,380,859	
Nickel-copper .....	703	31	9,093	4	9,831	19,749,692	3,674,425	31,300,546	34,974,971	
Miscellaneous metal .....	299	31	3,521	40	3,891	7,993,679	1,232,628	11,019,127	12,251,755	
Non-ferrous smelting and refining	3,193	555	19,005	61	22,814	53,031,620	13,816,942	61,657,563	75,474,505	
Fuels:							\$	\$	\$	
Coal .....	1,968	—	20,679	—	22,647	46,765,241	4,933,279	58,144,687	63,127,966	
Natural gas .....	376	226	2,033	23	2,658	5,891,454	1,570,612	4,920,622	6,491,234	
Petroleum .....	367	86	2,684	48	3,185	8,552,655	1,750,913	9,767,868	11,518,781	
Non-Metallics:							\$	\$	\$	
Asbestos .....	649	96	5,151	27	5,923	14,337,061	2,824,100	17,200,108	20,024,208	
Feldspar and quartz .....	43	7	481	1	532	1,202,603	182,275	1,220,019	1,402,294	
Gypsum .....	49	11	956	2	1,018	2,522,023	197,480	2,451,323	2,648,803	
Iron oxides .....	4	1	38	—	43	89,940	12,864	74,419	87,283	
Mica .....	2	1	81	54	138	261,892	2,673	179,360	182,033	
Peat .....	42	15	750	52	859	1,295,177	131,410	1,116,209	1,247,619	
Salt .....	134	36	470	49	689	1,385,463	367,019	1,266,203	1,633,222	
Talc and soapstone .....	2	1	47	—	50	116,849	7,240	102,282	109,521	
Miscellaneous .....	119	13	1,222	5	1,359	3,310,092	442,866	3,256,923	3,600,760	
Structural Materials:							\$	\$	\$	
Cement .....	109	11	1,809	2	1,931	4,624,879	466,679	5,774,221	6,342,904	
Clay products .....	194	34	3,454	55	3,737	9,094,187	777,262	8,954,395	9,731,657	
Lime .....	70	11	1,014	1	1,096	2,584,773	280,491	2,773,311	3,053,802	
Sand and gravel .....	226	57	3,759	18	4,060	11,138,500	893,358	9,521,201	10,414,559	
Stone .....	236	34	3,588	3	3,861	9,107,515	770,139	8,448,555	9,218,694	
Total .....	13,448	1,705	112,997	721	128,871	293,845,313	53,868,812	343,292,721	397,161,533	

1. Data are not inclusive of all individuals or syndicates engaged in prospecting or general exploration.

2. Includes office and administrative employees as well as workmen.

TABLE 23. Employees, Salaries and Wages, in the Mineral Industry, by Provinces, 1951

Province	Average number of employees					Total number of man- hours worked	Salaries and wages			
	Office and administrative		Workmen		Total		Office and administrative	Workmen	Total	
	Male	Female	Male	Female			Office and administrative	Workmen		
Newfoundland .....	201	19	3,862	32	4,114	8,469,610	835,392	10,148,643	10,984,035	
Nova Scotia .....	1,039	16	12,731	13	13,799	29,346,681	2,757,220	34,630,902	37,388,122	
New Brunswick .....	100	5	1,394	27	1,526	3,374,702	245,571	3,037,479	3,283,050	
Quebec .....	3,159	464	26,620	106	30,349	76,083,068	12,930,423	79,282,959	92,213,392	
Ontario .....	4,697	643	37,925	186	43,451	97,134,151	20,641,212	117,415,414	138,056,626	
Manitoba .....	309	53	2,231	39	2,632	6,235,426	1,430,424	7,660,764	9,091,188	
Saskatchewan .....	374	76	2,465	15	2,930	7,184,283	1,682,940	9,208,070	10,891,010	
Alberta .....	1,261	136	10,709	92	12,198	26,982,757	4,181,940	32,913,371	37,095,311	
British Columbia .....	2,126	284	13,658	205	16,273	33,784,774	8,397,149	42,720,017	51,117,166	
Northwest Territories .....	128	6	769	1	904	2,154,252	507,087	3,314,901	3,822,078	
Yukon .....	54	3	633	5	695	2,595,609	259,454	2,960,101	3,219,556	
Canada .....	13,448	1,705	112,997	721	128,871	293,845,313	53,868,812	343,292,721	397,161,533	

TABLE 24. Employees and Salaries and Wages in the Mineral Industry, 1937-1951

	Newfoundland		Nova Scotia		New Brunswick		Quebec		Ontario		Manitoba	
	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$
1937 .....	—	—	15,629	18,373,958	3,012	1,509,063	19,121	22,706,131	36,238	58,891,339	3,159	4,301,366
1938 .....	—	—	15,591	15,959,095	3,042	2,074,273	20,829	24,485,254	35,791	58,926,900	2,840	4,393,270
1939 .....	—	—	15,202	17,371,518	3,263	2,311,835	20,872	25,689,382	37,233	63,220,042	3,027	4,541,992
1940 .....	—	—	14,934	19,285,662	2,240	1,939,160	21,726	29,025,418	38,774	66,395,845	3,145	5,107,054
1941 .....	—	—	15,246	21,388,809	2,262	2,097,842	23,149	34,008,021	40,486	74,902,555	3,101	5,312,075
1942 .....	—	—	14,394	22,169,053	1,718	1,855,798	27,235	42,901,445	36,866	72,868,161	2,512	4,600,171
1943 .....	—	—	13,852	25,348,097	1,570	1,828,019	31,491	52,859,348	33,516	67,732,244	1,777	3,497,951
1944 .....	—	—	13,538	30,815,335	1,631	2,240,478	27,973	49,498,836	33,194	64,766,975	1,732	3,369,320
1945 .....	—	—	14,091	26,707,708	1,525	2,200,188	22,374	39,674,306	30,634	61,414,603	1,763	3,460,480
1946 .....	—	—	14,560	27,572,966	1,600	2,363,247	22,799	41,793,277	31,244	63,895,634	2,242	4,446,790
1947 .....	—	—	11,716	21,637,321	1,473	2,349,749	24,930	50,729,876	34,727	80,436,924	2,547	5,836,505
1948 .....	—	—	13,957	32,491,530	1,639	3,039,036	27,809	64,395,934	36,079	95,046,248	2,736	7,156,024
1949 .....	3,807	8,926,150	13,557	32,727,764	1,745	3,310,220	26,471	66,633,847	36,980	103,684,179	2,648	7,558,052
1950 .....	3,558	7,763,217	13,364	34,698,277	1,804	3,631,388	27,909	74,652,149	39,549	114,370,430	2,776	8,569,746
1951 .....	4,114	10,984,035	13,799	37,388,122	1,526	3,283,050	30,349	92,213,392	43,451	138,056,626	2,632	9,091,188
	Saskatchewan		Alberta		British Columbia		Northwest Territories		Yukon		Canada	
	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$
1937 .....	2,307	2,372,443	10,843	12,924,934	14,282	21,487,277	132	221,181	691	1,502,692	105,414	144,292,384
1938 .....	2,287	2,470,530	10,612	12,811,975	15,179	21,975,143	310	584,619	794	1,962,941	107,275	145,644,000
1939 .....	2,026	2,347,264	10,548	13,097,818	14,587	21,698,690	273	468,996	728	1,605,671	107,759	152,353,208
1940 .....	1,961	2,573,878	10,628	14,535,789	14,420	23,227,719	441	880,414	617	1,518,747	108,886	164,489,666
1941 .....	1,977	3,105,529	11,141	17,065,351	14,801	25,797,418	553	1,174,903	501	1,570,683	113,227	186,423,186
1942 .....	2,450	4,401,181	11,435	19,628,105	14,323	27,166,996	701	1,737,398	398	1,221,952	112,032	198,550,260
1943 .....	3,067	5,737,896	12,316	21,825,643	13,399	25,703,433	800	1,999,661	352	1,043,663	112,140	207,575,955
1944 .....	2,652	5,328,535	11,582	23,389,050	11,871	23,118,465	566	1,798,886	139	482,424	104,878	204,808,314
1945 .....	2,457	5,020,119	11,438	22,867,506	11,450	22,520,369	345	825,572	173	589,075	96,250	185,279,926
1946 .....	2,957	5,672,652	11,476	23,641,650	11,562	25,109,068	510	1,346,718	246	906,691	99,196	196,748,691
1947 .....	2,831	6,856,253	11,365	25,528,877	13,546	31,631,916	836	2,468,094	548	2,085,089	104,519	229,560,604
1948 .....	2,881	8,007,116	11,951	29,085,041	14,384	38,033,557	828	2,721,296	593	2,025,800	112,855	282,001,582
1949 .....	3,079	9,404,837	12,260	32,180,770	14,632	40,465,801	826	2,694,496	502	2,061,062	116,507	309,647,178
1950 .....	2,729	8,605,454	12,135	32,755,745	15,076	42,562,240	884	3,249,770	604	2,586,281	120,388	333,444,697
1951 .....	2,930	10,891,010	12,198	37,095,311	16,273	51,117,186	904	3,822,078	695	3,219,555	128,871	397,161,533

## MINERAL STATISTICS OF CANADA

TABLE 25. Wage-earners on Surface, Underground and in Mill, 1951

Province	Metal mines			Fuels		Other <sup>1</sup>		
	Surface	Under-ground	Mill <sup>2</sup>	Surface	Under-ground	Surface	Under-ground	Mill
Newfoundland .....	1,145	1,637	56	—	—	776	217	63
Nova Scotia .....	170	48	—	1,572	9,452	964	—	538
New Brunswick .....	—	—	—	418	443	346	12	202
Quebec .....	2,395	5,628	8,031	—	—	4,751	1,201	4,720
Ontario .....	6,119	15,218	9,908	1,120	—	3,106	211	2,429
Manitoba .....	551	679	319	17	—	299	24	381
Saskatchewan .....	555	503	500	471	13	140	—	298
Alberta .....	—	—	—	5,871	4,195	158	—	577
British Columbia .....	2,237	3,606	4,479	491	1,374	944	15	717
Northwest Territories <sup>3</sup> .....	276	390	84	20	—	—	—	—
Yukon .....	414	160	54	5	5	—	—	—
Total 1951 .....	13,862	27,869	23,431	9,985	15,482	11,484	1,680	9,925
Total 1950 .....	12,622	26,168	20,883	9,420	16,089	11,283	1,486	9,545
Total 1949 .....	12,648	25,080	20,410	9,156	16,558	11,051	1,080	8,490
Total 1948 .....	12,093	21,797	20,658	8,610	17,037	11,430	981	9,321
Total 1947 .....	11,948	19,959	18,413	7,697	15,752	11,014	864	8,923
Total 1946 .....	11,013	17,368	15,356	7,621	18,927	9,855	778	8,393

1. Includes asbestos, salt, gypsum, stone quarries, brick plants, etc.

2. Includes non-ferrous smelters and refineries.

3. Exclusive of data on mining of pitchblende ores.

TABLE 26. Administration and Office Employees at Places in Canada, Except at Mine or Plant, 1951

Plant location	Average number of employees			Salaries and wages \$
	Male	Female	Total	
Newfoundland .....	8	7	15	51,281
Nova Scotia .....	1,288	101	1,389	3,813,866
New Brunswick .....	20	17	37	126,729
Quebec .....	260	97	357	1,436,026
Ontario .....	276	103	379	1,714,767
Manitoba .....	103	13	116	423,145
Saskatchewan .....	76	38	114	378,462
Alberta .....	1,672	555	2,227	8,625,773
British Columbia .....	180	46	226	1,140,405
Northwest Territories .....	2	1	3	10,000
Yukon .....	10	—	10	57,245
Canada .....	3,895	976	4,873	17,777,699

Data in tables 26 and 27 not included elsewhere in this report.

TABLE 27. Administration and Office Employees at Places in Canada, Except at Mine or Plant, 1951

Industry	Average number of employees			Salaries and wages \$
	Male	Female	Total	
Metal mining .....	477	135	612	2,996,976
Non-ferrous smelting and refining .....	3,108	706	3,814	13,067,360
Fuels .....	104	46	150	539,435
Non-metallic mining .....	206	91	297	1,173,928
Structural materials and clay products .....	3,895	978	4,873	17,777,699
Total .....				

TABLE 28. Fuel and Electricity Used in the Mineral Industry, by Industries, 1951

Industry	Fuel (coal, coke, gasoline, oil, wood, gas, etc.)	Electricity purchased		Total cost of purchased fuel and electricity	Electricity generated for own use	Electricity generated for sale
		K.w.h.	\$			
	\$			\$	K.w.h.	K.w.h.
Metal Mining:						
Alluvial gold .....	44,678	—	—	44,678	1,517,220	—
Auriferous quartz .....	2,069,814	1,133,512,167	5,721,772	7,791,586	40,573,887	8,495,207
Copper-gold-silver .....	781,702	361,696,764	1,303,906	2,085,608	66,842,723	230,887
Silver-cobalt .....	53,691	11,714,721	94,970	148,661	—	—
Silver-lead-zinc .....	1,585,560	202,156,880	1,505,398	3,090,958	34,062,744	—
Nickel-copper .....	658,917	229,492,368	882,725	1,541,642	875,000	—
Miscellaneous metals .....	1,087,611	113,612,019	776,698	1,864,309	345,250	341,000
Non-ferrous smelting and refining .....	21,387,441	9,993,886,098	23,296,759	44,684,200	624,489,593	7,183,720
Total .....	27,669,414	12,046,071,017	33,582,228	61,251,642	768,706,417	16,250,814
Fuels:						
Coal .....	1,657,945	219,610,176	3,020,357	4,678,302	58,207,139	15,491,997
Natural gas .....	95,343	1,863,770	30,958	126,301	964,853	2,045,087
Petroleum .....	707,954	10,809,193	403,012	1,110,966	250,320	—
Total .....	2,461,242	232,283,139	3,454,327	5,915,569	59,422,312	17,537,084
Non-Metal Mining:						
Asbestos .....	1,352,453	228,599,784	1,635,696	2,988,149	48,600	—
Feldspar and quartz .....	184,884	7,663,358	78,702	263,588	23,682	—
Gypsum .....	304,359	12,190,138	151,556	455,915	1,062,200	—
Iron oxides .....	19,334	228,520	3,562	22,896	—	—
Mica .....	9,191	372,742	5,389	14,580	—	—
Peat .....	73,544	1,915,093	37,503	111,047	600	1,000
Salt .....	906,779	9,008,198	66,478	973,257	11,278,877	—
Talc and soapstone .....	5,945	1,267,218	19,529	25,474	—	—
Miscellaneous .....	1,213,201	21,393,703	258,089	1,471,290	6,966,186	107,045
Total .....	4,069,690	282,638,752	2,256,504	6,326,194	19,382,125	108,045
Structural Materials:						
Cement .....	7,489,513	315,102,941	1,578,783	9,068,296	1,037,119	—
Clay products .....	3,984,589	32,647,197	429,483	4,414,072	380,343	—
Lime .....	3,223,936	16,986,599	134,765	3,358,701	3,363,850	—
Sand and gravel .....	1,607,215	11,479,284	186,336	1,793,551	6,570	—
Stone .....	1,194,172	46,964,748	721,776	1,915,948	1,083,095	—
Total .....	17,499,425	423,180,769	3,051,143	20,550,568	5,870,977	—
Grand total .....	51,699,771	12,984,173,677	42,344,202	94,043,973	853,381,831	33,836,003

TABLE 29. Fuel and Electricity Used in the Mineral Industry, by Provinces, 1951

Province	Fuel (coal, coke, gasoline, oil, wood, gas, etc.)	Electricity purchased		Total cost of purchased fuel and electricity	Electricity generated for own use	Electricity generated for sale
		K.w.h.	\$			
	\$			\$	K.w.h.	K.w.h.
Newfoundland .....	510,847	45,894,993	452,396	963,243	6,185,382	386,045
Nova Scotia .....	1,090,947	140,574,064	1,912,102	3,003,049	25,124,942	12,835,390
New Brunswick .....	492,470	9,659,710	229,157	721,627	113,600	1,000
Quebec .....	14,787,658	9,557,332,239	24,927,378	39,715,036	17,127,334	7,749,026
Ontario .....	23,546,847	2,169,574,733	9,274,146	32,620,993	14,505,230	—
Manitoba .....	1,769,970	222,250,942	842,702	2,612,672	7,187,589	—
Saskatchewan .....	1,661,950	317,388,710	749,907	2,411,857	15,854,444	60,000
Alberta .....	2,247,832	104,379,595	1,385,380	3,633,212	19,532,199	2,570,383
British Columbia .....	4,897,654	368,424,471	2,074,795	6,972,449	722,497,767	2,716,438
Northwest Territories .....	352,199	48,694,220	496,239	848,438	18,320,143	7,575,681
Yukon .....	341,397	—	—	341,397	6,933,201	—
Canada .....	51,699,771	12,984,173,677	42,344,202	94,043,973	853,381,831	33,836,943

TABLE 30. Cost of Prospecting Conducted by Metal Mining Companies, 1946-1951

Province in which prospecting was conducted	Alluvial Gold	Auriferous Quartz	Copper-Gold -Silver	Silver-Cobalt	Silver-Lead -Zinc	Nickel-Copper	Miscellaneous Metals	Total metal mining
(Dollars)								
1946								
Nova Scotia .....	-	329	-	-	1,564	-	-	1,893
New Brunswick .....	-	-	-	-	43	-	255	298
Quebec .....	-	2,616,345	319,395	-	63,520	-	473,030	3,472,290
Ontario .....	-	2,036,572	55,134	25,675	22,353	823,299	139,075	3,102,108
Manitoba .....	-	299,181	465,078	-	24,067	26,297	368	814,991
Saskatchewan .....	-	19,347	8,257	-	21,245	-	-	48,849
British Columbia .....	-	561,990	41,946	-	127,858	-	20,162	751,956
Northwest Territories .....	-	802,762	40	-	38,718	-	623	842,143
Yukon .....	-	80,583	-	-	-	-	-	80,583
Canada .....	N.A.	6,417,109	889,850	25,675	299,368	849,596	633,513	9,115,111
1947								
Nova Scotia .....	-	1,011	-	-	2,402	-	-	3,413
New Brunswick .....	-	-	-	-	-	51,507	20	51,527
Quebec .....	-	1,265,217	205,492	-	159,868	61,138	935,517	2,627,232
Ontario .....	-	1,242,421	38,485	-	24,957	391,660	44,952	1,742,475
Manitoba .....	-	425,149	67,812	-	9,507	791,356	-	1,293,824
Saskatchewan .....	-	-	-	-	16,333	-	-	16,333
British Columbia .....	-	573,057	10,887	-	85,247	55,236	981	725,408
Northwest Territories .....	-	574,205	-	-	29,268	12,893	-	616,366
Yukon .....	-	103,249	28,083	-	1,327	49,816	-	183,275
Canada .....	N.A.	4,184,309	351,559	-	328,909	1,413,606	981,470	7,259,853
1948								
Nova Scotia .....	-	-	-	-	3,069	-	-	3,069
New Brunswick .....	-	-	-	-	-	5,057	-	5,057
Quebec .....	-	1,344,497	381,370	-	91,321	13,836	353,865	2,184,889
Ontario .....	-	721,952	63,088	28,923	30,242	184,595	138,383	1,147,183
Manitoba .....	-	94,124	231,039	-	20,336	595,669	-	941,168
Saskatchewan .....	-	3,006	14,374	-	22,653	17,540	-	57,573
British Columbia .....	-	316,049	18,918	-	237,462	8,805	21,911	603,145
Northwest Territories .....	-	14,078	2,988	-	27,560	827	-	45,453
Yukon .....	-	2,676	88,273	-	16,361	-	-	107,310
Canada .....	N.A.	2,496,382	800,050	28,923	449,004	806,329	514,159	5,094,847
1949								
Newfoundland .....	-	4,058	-	-	214,081	3,386	-	221,525
Nova Scotia .....	-	8,693	-	-	2,146	-	-	10,839
New Brunswick .....	-	5,176	-	-	-	1,552	-	6,728
Quebec .....	-	1,543,987	261,562	-	147,746	36,663	825,834	2,815,792
Ontario .....	-	866,402	26,831	27,042	94,824	219,453	183,018	1,417,570
Manitoba .....	-	55,891	121,595	-	19,295	297,741	-	494,522
Saskatchewan .....	-	32,912	23,673	-	25,249	18,837	-	100,671
British Columbia .....	66,304	472,079	42,343	-	400,051	8,697	-	989,474
Northwest Territories .....	-	204,522	32,090	10,000	48,220	-	4,170	299,002
Yukon .....	-	17,481	40,921	-	654	-	-	59,056
Canada .....	66,304	3,211,201	549,015	37,042	952,266	586,329	1,013,022	6,415,179
1950								
Newfoundland .....	-	460	-	-	104,030	74,942	-	179,432
Nova Scotia .....	-	1,243	-	-	-	-	-	1,243
New Brunswick .....	-	899	-	-	904	-	-	1,803
Quebec .....	-	1,231,390	469,434	800	177,481	3,699	42,997	1,925,801
Ontario .....	-	887,237	134,308	9,310	14,343	325,260	413,954	1,784,412
Manitoba .....	-	47,852	85,398	-	1,203	188,877	-	323,330
Saskatchewan .....	-	6,953	19,303	-	13,898	13,750	-	53,904
Alberta .....	-	-	-	75,900	-	-	-	75,900
British Columbia .....	47,929	494,000	84,638	-	158,276	1,123	-	785,966
Northwest Territories .....	-	79,807	828	-	-	6,726	-	87,351
Yukon .....	12,621	8,828	7,479	-	105,187	-	-	134,115
Canada .....	60,550	2,758,669	801,388	86,010	575,322	614,377	456,951	5,353,267
1951								
Newfoundland .....	-	400	20,304	-	118,826	370,524	37,862	547,916
Nova Scotia .....	-	50	3,011	-	4,592	-	16,731	24,384
New Brunswick .....	-	34,673	54,303	-	824	-	-	89,800
Quebec .....	-	979,304	670,597	28,535	149,491	10,603	449,971	2,288,501
Ontario .....	-	985,868	194,597	7,584	54,039	2,181,404	761,851	4,185,343
Manitoba .....	-	30,507	52,494	-	2,587	420,077	141	505,806
Saskatchewan .....	-	77,500	23,505	-	5,277	14,805	-	121,597
British Columbia .....	13,222	292,424	171,557	-	418,991	-	144,160	1,040,354
Northwest Territories .....	-	13,278	207	-	50,690	125,850	8,441	190,446
Yukon .....	7,884	-	3,971	-	162,427	-	-	174,289
Canada .....	21,106	2,414,004	1,194,546	36,119	968,244	3,123,263	1,419,157	9,176,439

Note: Prospecting includes the search for new mineral deposits on the surface and preliminary exploration.

## **ERRATA**

Some revisions have been made in the 1951 statistics on the mineral industries since the publication of the separate industry reports in this series. These are as follows:—

### **Non-Ferrous Smelting and Refining:**

Page F-4, Table 1: Column, 1950—Estimated cost of ores, etc. \$377,490,223, should read \$397,490,223. Value added by smelting \$222,711,781, should read \$202,711,781.

### **Nickel-Copper Mining, Smelting:**

Page D-4, Table 4. September 1950, 11,782 should read 11,722 tons. October 1950, 11,354 tons should read 10,354 tons.

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