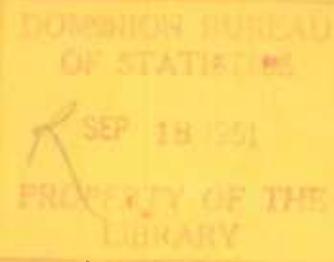


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GOVERNMENT OF CANADA



GENERAL REVIEW OF THE MINING INDUSTRY
1949





DEPARTMENT OF TRADE AND COMMERCE - DOMINION BUREAU OF STATISTICS

GENERAL REVIEW OF THE MINING INDUSTRY
1949

Published by Authority of the Rt. Hon. C.D. HOWE
Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section
Industry and Merchandising Division
Dominion Bureau of Statistics, Ottawa

NOTICE

It has been the practice of the Bureau of Statistics, since 1920, to issue an annual printed report on the Mineral Production of Canada. This report was comprised to a large extent of the data which had already been issued in bulletin form as statistics for each industry were completed. The final report was necessarily late in being issued, and its main use was for library purposes and for historical research. It also had the advantage of having complete statistics of the Canadian Mining Industry for a year in one volume.

Such a procedure necessitated the preparation of new manuscript, duplication of proof-reading, and extra costs in type-setting and printing. In order to avoid this extra cost, a system has been devised whereby libraries and other similar organizations may file the separate reports in a ring binder as issued, and if they so desire, may have them bound in a volume when the series for the year is complete.

The reports have been paged in such a manner that when bound they will correspond to the chapters of the annual printed report hitherto issued, but which will now be discontinued.

The following reports will constitute the complete volume on Mineral Statistics of Canada:

- A General Review of the Mining Industry
- B The Gold Mining Industry
- C The Silver-Lead-Zinc Mining Industry
- D The Nickel-Copper Mining, Smelting and Refining Industry
- E The Miscellaneous Metal Mining Industry
- F The Non-ferrous Smelting and Refining Industry
- G The Coal Mining Industry
- H The Natural Gas and Crude Petroleum Industry
- I The Asbestos Mining Industry
- J The Feldspar and Quartz Mining Industry
- K The Gypsum Industry
- L The Peat Industry
- M The Salt Industry
- N The Talc and Soapstone Industry
- O The Miscellaneous Industrial or Non-metallic Minerals Mining Industry
- P The Cement Manufacturing Industry
- Q The Clay and Clay Products Industry
- R The Lime Industry
- S The Sand and Gravel Industry
- T The Stone Industry
- U Contract Diamond Drilling in the Mining Industry
- V Appendix - Explanatory notes on the method of computing the quantities and values of the Mineral Production of Canada

GENERAL REVIEW OF THE MINING INDUSTRY 1949

The Mining industry in Canada had one of its best years in 1949. Increases in output tonnages of the major minerals more than offset the effects of the decline in base metals prices and the total value of mineral production showed a substantial advance to an all-time high of \$901 millions. This value was 9.9 per cent greater than the \$820 millions for 1948, but it included data for Newfoundland for the first time. If the \$27.6 millions for the new province were excluded, the gain in value over 1948 would be reduced to 6.5 per cent or \$53.3 millions.

In physical volume of output, advances were recorded for most of the leading minerals. Production of zinc increased 23.1 per cent and copper was up 9.4 per cent; gold advanced 16.5 per cent and silver 9.5 per cent; coal, crude petroleum and natural gas were at record levels, up 3.6 per cent, 80.8 per cent and 3.2 per cent; cement increased 12.7 per cent and stone 19.1 per cent. However, because of labour disputes the tonnage of asbestos was down 20 per cent, and gypsum declined 6.3 per cent. Output of lead was down 4.5 per cent and nickel was off 2.3 per cent.

The entry of Newfoundland into Confederation helped considerably in boosting the nation's output in 1949, particularly in regards to iron ore, lead, zinc and fluorspar. The Wabana mine shipped 1,657,000 tons of iron ore last year, and the Buchans mine shipped concentrates containing 18,600 tons of lead, 3,600 tons of copper, 32,000 tons of zinc and 585,000 ounces of silver. Fluorspar production totalled 58,000 tons.

During the year several important new mines came into operation across the country. In north-western Quebec the East Sullivan was on a production basis early in January, and the Quemont was brought into production in June. Each mills about 2,000 tons of ore per day at present, shipping copper concentrates to the Noranda smelter and exporting zinc concentrates to the United States. In Ontario, New Dickenson Red Lake started to ship gold bullion in February, and the Campbell Red Lake started in June. In Manitoba the Snow Lake gold mine, operated by the Howe Sound Exploration Company, officially entered the production list at mid-year. In British Columbia the new mill at Reeves MacDonald began operations in July, producing lead-zinc concentrates for shipment to the Trail smelter and the Emerald mill of Canadian Exploration Co. Ltd. changed over in February from the treatment of tungsten ore to the treatment of silver-lead-zinc ores.

Development work continued on the Quebec-Labrador hematite deposits and additional reserves were outlined bringing the tonnage of proven ore to

well over the minimum objective of 300 million tons. At the year end a route for the railway from tidewater had been surveyed and initial financial arrangements for bringing this property into production had been announced. A little further inland in Quebec a 27-mile railway was under construction from the St. Lawrence to the Allard Lake ilmenite deposits, the development of which will constitute one of the largest undertakings in Canadian mining history. Ore from this mine will be treated at Sorel, Quebec in a huge electric furnace plant on which work has now begun. Near Matheson, Ontario, work was quite well advanced on the new asbestos mill of Canadian Johns Manville Limited. At Wawa, on Lake Superior, an important addition to the iron ore sintering plant of Algoma Ore Properties was nearing completion at the year end, and at Steep Rock Iron Mines plans are under way for doubling production. At Lynn Lake in northern Manitoba underground work on Sherritt Gordon's nickel-bearing ores proved very encouraging. In Saskatchewan some promising showings of radioactive ores were located, and on the shores of Great Slave Lake in the Northwest Territories the exploration work was continued on lead-zinc deposits which may prove of great importance. In Alberta the reserves of crude oil and natural gas were increased tremendously.

In the second quarter of 1949 the market prices for refined copper, lead and zinc fell off rather abruptly but they recovered considerably during the last half of the year. Copper, which was quoted at 23½ cents per pound on the New York market at the beginning of the year, declined to 16½ cents in June and closed the year at 18½ cents. Zinc started off at 17½ cents per pound, receded to 9½ cents, and was quoted at 9¾ cents at the year end. Lead began the year at 21½ cents per pound, declined to 12 cents in June, rose to 15 in September, and averaged 12 cents in December. In terms of Canadian dollars, the average prices for the year were: copper, 19.97 cents; zinc, 13.25 cents, and lead, 15.80 cents, compared with 22.35 cents, 13.93 cents and 18.04 cents, respectively, in 1948.

Despite the lower average prices for these major items, the value of all metals recovered in 1949 was 10.4 per cent above the corresponding figure for 1948 and the total of \$539 millions was, in fact, greater than for any preceding year. However, the quantities of copper, lead, zinc, nickel and gold were below the record amounts recovered in 1941 to 1943 when the war effort was at its peak.

Output of structural materials was greater than in any previous year, the 1949 value of \$113.9 millions being about 8 per cent above the 1948 total. Shipments of clay products, lime, stone, sand and gravel were considerably above last year's figures.

Capacity of the cement industry was expanded and shipments reached a new high at 15.9 million barrels worth \$32.9 millions.

The value of mineral fuels at \$183.6 millions was much greater than ever before. The principal advances were in crude petroleum and natural gas, but coal was up substantially. A change in the method of computing the value of natural gas reduced the total output value for 1949 to a figure considerably lower than that for 1948.

Other non-metallics declined slightly in output value principally because of the shut-down for several months of most of the asbestos mines.

Gains in output values were registered for all provinces except Nova Scotia, British Columbia and Manitoba. Ontario's mines accounted for 36 per cent of the nation's output in 1949; Quebec accounted for 18 per cent, British Columbia for 15 per cent, and Alberta for 13 per cent. Nova Scotia, Saskatchewan, Newfoundland, Manitoba, New Brunswick, Northwest Territories and Yukon followed in the order named. Greatest increase during the year was in Alberta.

Copper. Copper production was greater than in any other post-war year amounting to 263,457 tons made up of 223,742 tons of blister copper and 39,715 tons of recoverable copper in matte and concentrates for export. While this tonnage represented a gain of 9.4 per cent over 1948, it was still much below the record of 327,797 tons attained in 1940. It included 113,043 tons from Ontario, 67,822 tons from Quebec, 34,960 tons from Saskatchewan, 27,055 tons from British Columbia, 16,960 tons from Manitoba and 3,617 tons from Newfoundland.

In Quebec there was little change in the volume of production from the Horne, Waite Amulet and Normetal mines, but the entry of East Sullivan and Quemont boosted the total for the province by about 20,000 tons or 40 per cent. In Ontario the decline in output by International Nickel more than offset the gain at Falconbridge, resulting in an over-all drop of 6 per cent. Recoveries in Manitoba with three producers — Hudson Bay, Sherritt Gordon and Cuprus — was down 10 per cent, but output from the Saskatchewan section of Hudson Bay's Flin Flon mine was higher by 12 per cent. In British Columbia the mining industry was comparatively free from labour troubles and there was general improvement in operations, this resulting in a 26 per cent rise in copper production. Britannia and Granby Consolidated were the main copper producers in this province. In Newfoundland the Buchans mine was the only copper producer, shipping concentrates to Belgium and to the United States.

Based on the yearly average price of approximately 20 cents per pound, the value of recoverable copper from Canadian sources in 1949 was \$104.7 millions, this being less than 2.3 per cent below the record of \$107.1 millions in 1948.

Output of refined copper totalled 226,083 tons in 1949 compared with 221,275 tons in the previous year. About 56 per cent of this amount, or 126,000

tons, was shipped for export, chiefly to the United States and Great Britain. Consumption by Canadian users amounted to 100,900 tons.

The copper content of concentrates and matte exported in 1949 was 37,057 tons.

Lead. From 85 to 90 per cent of Canada's lead comes from the Sullivan mine operated by Consolidated Mining and Smelting Co. Ltd. at Kimberley, British Columbia. Recoveries of lead from this property in 1949 were considerably less than in the previous year, so despite increases at other lead-producing properties, the output for all Canada dropped 4.5 per cent to 159,775 tons, this including about 145,000 tons in the form of lead bullion and 21,000 tons of recoverable lead in concentrates for export.

The decline in total output in British Columbia was to 132,689 tons from 160,019 tons in 1948. The more important producers other than the Sullivan were Western Exploration, Base Metals Mining, Ainsmore Consolidated, Canadian Exploration, Sheep Creek, Zincton and Paradise mines and Silver Standard.

In Quebec the output increased to 5,799 tons from 4,760 tons in 1948. There were three shippers — Golden Manitou, New Calumet and Anacon — and since there is no lead smelter in Eastern Canada the concentrates from this area were exported for treatment chiefly to United States and Belgium. In Newfoundland the Buchans mine, the only producer, shipped 18,608 tons of lead in the form of concentrates, mostly again to the United States and Belgium.

The value of lead production in 1949 was \$50.5 millions, which was 16 per cent lower than in 1948 but higher than in any other year.

Output of refined lead, all made by the Consolidated Mining and Smelting Company of Canada Limited at Trail, British Columbia, totalled 146,149 tons compared with 160,025 tons in 1948. Consumption of new refined lead in Canada amounted to approximately 51,000 tons, of which about 45 per cent went into white metal alloys such as solders, babbitts, etc., 15 per cent into storage batteries, 15 per cent into paints, and 25 per cent for cable covering, collapsible tubes and other such uses. Exports of refined lead in 1949 totalled 113,534 tons valued at \$36.7 millions. Exports of lead in concentrates amounted to 19,891 tons worth \$4.7 millions.

Nickel. About 90 per cent of the world's nickel comes from the Sudbury area in Northern Ontario. There are two large operators in this district, the International Nickel Company of Canada Limited, which has a smelter at Copper Cliff, and a nickel refinery at Port Colborne, Ontario, and the Falconbridge Nickel Mines Limited which operates a smelter at the mine site but exports the matte to Norway for refining. Some nickel was recovered in the form of oxides and salts from Cobalt ores treated at the Deloro Smelting and Refining Company.

Output of recoverable nickel in all forms amounted to 128,690 tons in 1949 compared with 131,700 tons in 1948. The record output was in 1943 at 144,000 tons. The value placed on last year's output was \$99.2 millions.

Consumption of refined nickel by Canadian users was only about 1,800 tons in 1949, while exports during the year totalled 69,088 tons. Exports of nickel in matte and oxide aggregated 58,053 tons for the twelve months' period.

Zinc. Zinc production was stepped up considerably in 1949 when recoveries of the metal in all forms were recorded at 288,262 tons compared with 234,164 tons in the previous year. Last year's output was exceeded only on two previous occasions, in 1942 at 290,000 tons and in 1943 at 305,000 tons. The value of zinc production in 1949 at \$76.4 millions was the highest on record.

Output in Quebec was raised one-third by the entry of East Sullivan, Quemont, and Anacon, bringing the year's total to 62,660 tons as against 47,880 tons in 1948. With Newfoundland's production of 31,900 tons, the total recoverable zinc in ores from mines in Eastern Canada totalled 94,560 tons for last year. The New Calumet mine in western Quebec shipped its concentrates to the Trail smelter for treatment, but the remainder was exported, mostly to the United States or to Belgium.

In Manitoba and Saskatchewan the output of zinc was maintained at about the 1948 level, the recoveries at the Flin Flon smelter amounting to 49,143 tons. Concentrates from the Sherritt Gordon and Cuprus operations as well as those from the Flin Flon mine which straddles the provincial boundary line were treated at this point. In British Columbia production advanced to 144,094 tons from 135,155 tons in 1948, and in the Yukon the zinc content of shipments from the United Keno Hill amounted to 424 tons.

Production of refined zinc in 1949 was close to 206,000 tons, of which about 20 per cent or 41,600 tons was for sale to Canadian users.

Exports of refined zinc in 1949 amounted to 168,306 tons, of which 108,068 tons went to United States and 52,692 tons to the United Kingdom. In the same period shipments of zinc concentrates to foreign countries totalled 106,684 tons, including 59,298 tons to United States, 23,069 tons to Belgium and 15,445 tons to the United Kingdom.

Gold. There was steady improvement in the gold mining industry during the year as the supply of labour and materials became a little easier and the provisions of the Emergency Gold Mining Assis. Act became effective. Further encouragement was provided by the increase in the value of gold to \$38.50 per Troy ounce in terms of Canadian dollars. These and other factors permitted many mines to return to a sound operating basis and encouraged some expansion in operations.

Output of gold from all sources in 1949 totalled 4,123,000 fine ounces and although this was from 20

to 25 per cent less than the amounts recovered in the peak period from 1939 to 1941 inclusive, it was considerably better than in any other year in the history of the industry. Recoveries from base metal mines increased 25 per cent from 369,000 ounces to 461,000 ounces, while bullion from gold mines advanced 15 per cent from 3,081,000 ounces to 3,566,000 ounces.

The improvement in output from gold mines is quite general except for British Columbia. In the Porcupine district in Ontario the increase as compared with 1948 was from 999,000 ounces to 1,048,000 ounces, in Kirkland Lake from 448,000 ounces to 476,000 ounces, in Larder Lake from 204,000 ounces to 314,000 ounces, and in the Patricia area from 219,000 ounces to 280,000 ounces. In Quebec's gold mines output rose from 505,000 ounces to 704,000 ounces, in Manitoba the increase was from 63,000 ounces to 107,000 ounces, and in the Northwest Territories from 102,000 ounces to 178,000 ounces. In British Columbia the production from lode gold mines was up from 254,000 in 1948 to 260,000 ounces.

The value of gold production in 1949 was \$148.5 millions as against \$123.5 millions in 1948.

Crude Petroleum and Natural Gas. Spectacular oil discoveries in northern Alberta continued throughout the year and the proven reserves in this area were increased tremendously. Although operations last year were on a restricted basis pending outlets to eastern markets, Alberta's wells yielded twice as much crude as in 1948 — 20,087,000 barrels as against 10,888,000 barrels. The Leduc field produced about 9,800,000 barrels, Redwater 5,200,000 barrels, Turner Valley 4,300,000 barrels and other fields 1,700,000 barrels.

Alberta accounted for 95 per cent of Canada's production of crude petroleum in 1949. The total for the whole country was 21.3 million barrels valued at \$61.1 millions. Ontario's output increased 4.7 per cent last year to 260,670 barrels.

At the year end construction had started on the pipe line which will carry crude from Edmonton to the head of Lake Superior. It is expected to be in operation late in 1950 and will have an initial capacity of about 95,000 barrels per day. Two new refineries are to be built at Edmonton, one with daily capacity of 10,000 barrels and the other 6,500 barrels, and another 10,000 barrels plant is to be erected in the vicinity of Winnipeg.

Alberta also accounts for about 87 per cent of Canada's production of natural gas. It is estimated that the total for all provinces was 60 billion cubic feet in 1949, of which 51 billion cubic feet was from Alberta's wells. Ontario's production amounted to 8 billion cubic feet in 1949.

Coal. In 1949 more coal was produced by Canadian mines than in any other year, the total of 19,120,000 tons being 3.7 per cent above that for 1948. Substantial increases were reported for each of the western provinces but output in Nova Scotia was actually less than 1948. In 1949 Alberta produced 8,617,000 tons, Nova Scotia 6,182,000 tons, British Columbia 1,906,000 tons and Saskatchewan 1,870,000 tons. The value of the 1949 output was \$111 millions.

Because of strikes at coal mines in the United States, and possibly also because of the effort to conserve holdings of United States dollars and to further conversions to the use of oil, the imports of coal into Canada dropped by about one-third in 1949. The amount landed in this country last year was 20 million tons compared with 31 million tons in 1948.

Other Non-metallics. For the non-metallics, other than fuels, declines in production were much more numerous than the gains. Most of Quebec's asbestos mines were idle for several months because of labour disputes and shipments declined 20 per cent to 575,000 tons. Output of gypsum was 7 per cent lower in quantity at 3 million tons but up 8 per cent in value to \$5.4 millions. The tonnage of peat moss was down 11 per cent to 80,300 tons, natural sodium sulphate was down 22 per cent to 120,300 tons, and

barite declined 51 per cent to 47,140 tons. Feldspar, mica, magnesite, talc and soapstone also showed declines from the 1948 tonnages. On the other hand, the output of salt increased 1 per cent to 749,000 tons and production of fluorspar, because of the inclusion of figures for Newfoundland for the first time, rose to 64,500 tons from 11,300 tons. Shipments of cement increased 14 per cent to a record total of 16 million barrels.

The mineral industries employed 116,507 workers in 1949 compared with 112,855 in 1948. The 3,807 employees in Newfoundland are included in the 1949 figures. Payments in salaries and wages to these employees totalled \$309 millions in 1949 and \$282 millions in 1948. In addition, the industry had 3,993 employees in 1949 at head offices or at other locations in Canada other than at mines, quarries or other production points.

TABLE 1. Mineral Production, by Kinds, 1948 and 1949

	1948		1949	
	Quantity	Value	Quantity	Value
METALLICS:				
Antimony	lb.	310,062	113,173	158,288
Barium	lb.	2,552	7,988	—
Bismuth	lb.	240,242	480,484	102,913
Cadmium	lb.	766,090	1,398,114	846,541
Calcium	lb.	895,203	1,723,266	520,609
Chromite	ton	1,715	33,568	361
Cobalt	lb.	1,544,852	2,029,178	619,065
Copper	lb.	481,463,966	107,159,756	526,913,632
Gold	fine oz.	3,529,608	123,536,280	4,123,518
Indium	fine oz.	—	—	689
Iron ore	ton	1,337,244	7,487,611	3,675,096
Lead	lb.	334,501,917	60,344,148	319,549,865
Manganese ore	ton	3	88	—
Magnesium ¹	—	—	—	—
Molybdenite concentrates	lb.	304,762	137,143	—
Nickel	lb.	263,479,163	86,904,235	257,379,216
Palladium, rhodium, iridium, etc.	fine oz.	148,343	6,295,132	182,233
Platinum	fine oz.	121,404	10,622,850	153,784
Pitchblende products ¹	—	—	—	—
Selenium	lb.	390,894	781,788	318,225
Silver	fine oz.	16,109,982	12,082,487	17,641,493
Tellurium	lb.	11,425	19,994	11,692
Tin	lb.	691,332	688,567	619,117
Titanium ore	ton	4,441	21,091	540
Tungsten (WO ₃)	lb.	1,046,160	1,046,160	252,380
Zinc	lb.	466,327,036	65,237,956	576,524,097
Total Metallics	—	—	488,131,055	—
				538,967,258

1. Data not available for publication.

TABLE 1. Mineral Production, by Kinds, 1948 and 1949 — Concluded

	1948		1949	
	Quantity	Value	Quantity	Value
		\$		\$
NON-METALLICS:				
Fuels:				
Coal	ton	18,449,689	106,684,008	19,120,046
Natural gas	M cu. ft.	58,603,269	15,632,507	60,457,177
Peat	ton	85	850	56
Petroleum	bbl.	12,286,660	37,418,895	21,305,348
Total Fuels	—	—	159,736,260	—
OTHER NON-METALLICS:				
Arsenious oxide	lb.	1,161,996	82,909	526,645
Asbestos	ton	716,769	42,231,475	574,906
Barite	ton	95,747	1,073,380	47,138
Diatomite	ton	46	1,487	60
Feldspar	ton	54,851	564,437	36,948
Fluorspar	ton	11,340	344,834	64,477
Garnet rock	ton	2	200	—
Graphite	ton	2,539	239,931	2,147
Grindstones	ton	220	20,100	195
Gypsum	ton	3,216,809	5,548,245	3,014,249
Iron oxides	ton	13,181	203,391	13,625
Magnesitic dolomite and brucite ¹	—	—	1,724,489	—
Mica	lb.	7,902,303	219,948	3,490,556
Mineral waters	gal.	192,539	110,259	306,691
Nepheline syenite	ton	74,386	506,462	78,783
Phosphate rock	ton	—	—	20
Peat moss	ton	89,800	2,767,878	80,249
Quartz	ton	2,017,262	2,082,573	1,722,476
Salt	ton	741,261	4,836,028	749,015
Silica brick	M	3,464	393,821	3,663
Soapstone and talc	ton	28,780	309,823	26,922
Sodium carbonate	ton	—	—	47
Sodium sulphate	ton	153,698	2,136,276	120,259
Sulphur	ton	229,463	1,836,358	261,871
Total Other Non-metallics	—	—	67,234,304	—
CLAY PRODUCTS AND OTHER STRUCTURAL MATERIALS:				
Clay products (brick, tile, etc.)	—	—	17,629,048	—
Cement	bbl.	14,127,123	28,264,957	15,916,564
Lime	ton	1,053,584	10,655,062	1,018,823
Sand and gravel	ton	68,670,863	30,629,596	63,356,308
Stone	ton	11,696,643	17,948,553	13,928,039
Total Clay Products and Other Structural Materials	—	—	105,127,246	—
GRAND TOTAL	—	—	820,248,863	—
1. Includes magnesium metal.				

TABLE 2. Mineral Production, by Provinces, 1949

No.			Newfoundland	Nova Scotia	New Brunswick
METALS:					
1	Antimony	lb. \$	—	—	—
2			—	—	—
3	Bismuth	lb. \$	—	—	—
4			—	—	—
5	Cadmium	lb. \$	—	—	—
6			—	—	—
7	Calcium	lb. \$	—	—	—
8			—	—	—
9	Chromite	ton \$	—	—	—
10			—	—	—
11	Cobalt	lb. \$	—	—	—
12			—	—	—
13	Copper	lb. \$	7,233,952 1,444,837	—	—
14				—	—
15	Gold	oz. \$	9,269 333,684	64 2,304	—
16					—
17	Indium	oz. \$	—	—	—
18			—	—	—
19	Iron ore	ton \$	1,657,888 7,947,914	—	—
20				—	—
21	Lead	lb. \$	37,216,398 5,880,191	—	—
22				—	—
23	Nickel	lb. \$	—	—	—
24			—	—	—
25	Palladium, rhodium, etc.	oz. \$	—	—	—
26			—	—	—
27	Platinum	oz. \$	—	—	—
28			—	—	—
29	Pitchblende	—		Not available	
30	Selenium	lb. \$	—	—	—
31			—	—	—
32	Silver	oz. \$	585,026 434,382	3 2	—
33					—
34	Tellurium	lb. \$	—	—	—
35			—	—	—
36	Tin	lb. \$	—	—	—
37			—	—	—
38	Titanium ore	ton \$	—	—	—
39			—	—	—
40	Tungsten concentrates	lb. \$	—	—	—
41			—	—	—
42	Zinc	lb. \$	63,818,908 8,454,091	—	—
43				—	—
44	Total Metals	\$	24,495,099	2,306	—
NON-METALLICS:					
45	Arsenious oxide	lb. \$	—	—	—
46			—	—	—
47	Asbestos	ton \$	—	—	—
48			—	—	—
49	Barite	ton \$	—	45,824 544,517	—
50			—		—
51	Diatomite	ton \$	—	24 740	—
52			—		—
53	Feldspar	ton \$	—	—	—
54			—	—	—
55	Fluorspar	ton \$	58,077 1,405,033	—	—
56				—	—
57	Graphite	ton \$	—	—	—
58			—	—	—

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TABLE 2. Mineral Production, by Provinces, 1949

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	Canada	No.
-	-	-	-	-	158,288 61,020	-	-	158,288 61,020	1 2
-	-	-	-	-	102,913 210,972	-	-	102,913 210,972	3 4
-	-	70,800 145,140	110,292 226,099	-	665,449 1,364,170	-	-	846,541 1,735,409	5 6
-	520,609 1,041,218	-	-	-	-	-	-	520,609 1,041,218	7 8
361 7,148	-	-	-	-	-	-	-	-	361 7,148
-	619,065 952,469	-	-	-	-	-	-	619,065 952,469	11 12
135,644,936 27,092,363	226,085,423 44,658,786	33,920,148 6,774,871	69,919,293 13,964,980	-	54,109,880 10,783,314	-	-	526,913,632 104,719,151	13 14
964,184 34,710,624	2,354,509 84,762,324	137,399 4,946,364	94,208 3,391,488	115 4,140	304,307 10,955,052	177,493 6,389,748	81,970 2,950,920	4,123,518 148,446,648	15 16
-	-	-	-	-	689 1,550	-	-	-	689 1,550
-	2,011,736 13,192,781	-	-	-	5,472 63,212	-	-	3,675,096 21,203,907	19 20
11,598,163 1,832,510	-	-	-	-	265,378,899 41,929,866	-	5,356,405 846,312	319,549,865 50,488,879	21 22
-	257,379,216 99,173,289	-	-	-	-	-	-	257,379,216 99,173,289	23 24
-	182,225 8,289,063	-	-	-	8 852	-	-	182,233 8,289,915	25 26
-	153,691 11,595,986	-	-	-	93 7,016	-	-	153,784 11,603,002	27 28
					Not available				29
99,709 204,403	86,842 178,026	16,012 32,825	115,662 237,107	-	-	-	-	318,225 652,361	30 31
3,250,578 2,413,554	2,562,859 1,902,923	554,266 411,542	1,482,009 1,100,392	11 8	7,573,506 5,623,328	70,505 52,350	1,562,730 1,160,327	17,641,493 13,098,808	32 33
-	8,726 15,707	361 650	2,605 4,689	-	-	-	-	11,692 21,046	34 35
-	-	-	-	-	619,117 633,047	-	-	619,117 633,047	36 37
540 2,892	-	-	-	-	-	-	-	-	540 2,892
-	-	-	-	-	252,380 252,380	-	-	252,380 252,380	40 41
125,321,298 16,601,312	-	34,081,713 4,514,805	64,266,312 8,513,356	-	288,188,620 38,176,346	-	847,246 112,235	576,524,097 76,372,147	42 43
82,864,806	265,762,572	16,826,197	27,438,113	4,148	110,062,125	6,442,098	5,069,794	538,967,258	44
350,707 17,535	175,938 8,797	-	-	-	-	-	-	526,645 26,332	45 46
574,906 39,746,072	-	-	-	-	-	-	-	574,906 39,746,072	47 48
-	-	-	-	-	1,314 13,145	-	-	47,138 557,662	49 50
-	-	-	-	-	36 963	-	-	60 1,703	51 52
31,848 384,892	5,100 43,610	-	-	-	-	-	-	36,948 428,502	53 54
-	6,400 187,875	-	-	-	-	-	-	64,477 1,592,908	55 56
-	2,147 212,496	-	-	-	-	-	-	2,147 212,496	57 58

TABLE 2. Mineral Production, by Provinces, 1949 — Concluded

No.			Newfoundland	Nova Scotia	New Brunswick
NON-METALLICS — Concluded					
1	Grindstone	ton	—	—	195
2		\$	—	—	12,450
3	Gypsum	ton	—	2,555,795	80,436
4		\$	—	2,766,005	371,529
5	Iron oxide	ton	—	—	—
6		\$	—	—	—
7	Magnesite, Brucite	ton	Not available for publication	—	—
8		\$	—	—	—
9	Mica	lb.	—	—	—
10		\$	—	—	—
11	Mineral Water	gal.	—	—	—
12		\$	—	—	—
13	Nepheline Syenite	ton	—	—	—
14		\$	—	—	—
15	Peat moss	ton	—	—	5,752
16		\$	—	—	156,400
17	Phosphate rock	ton	—	—	—
18		\$	—	—	—
19	Quartz	ton	—	—	—
20		\$	—	—	—
21	Salt	ton	—	86,612	—
22		\$	—	1,030,126	—
23	Silica brick	M	—	2,469	—
24		\$	—	305,539	—
25	Soapstone and talc	ton	—	—	—
26		\$	—	—	—
27	Sodium carbonate	ton	—	—	—
28		\$	—	—	—
29	Sodium sulphate	ton	—	—	—
30		\$	—	—	—
31	Sulphur	ton	—	—	—
32		\$	—	—	—
33	Total Non-metallics	\$	1,405,033	4,646,927	540,379
FUELS:					
34	Coal	ton	—	6,181,779	540,806
35		\$	—	47,997,725	3,911,371
36	Natural gas	M cu.ft.	—	—	375,035
37		\$	—	—	146,864
38	Peat	ton	—	—	—
39		\$	—	—	—
40	Petroleum, crude	bbl.	—	—	19,544
41		\$	—	—	27,362
42	Total Fuels	\$	—	47,997,725	4,085,597
STRUCTURAL MATERIALS AND CLAY PRODUCTS:					
43	Clay Products	\$	25,450	1,053,845	515,767
44	Cement	bbl.	—	—	—
45		\$	—	—	—
46	Lime	ton	466	—	23,082
47		\$	22,460	—	352,805
48	Sand and gravel	ton	1,416,202	1,933,652	3,142,633
49		\$	999,598	1,738,114	1,106,479
50	Stone	ton	392,263	252,641	219,196
51		\$	635,975	653,913	532,982
52	Total Structural Materials and Clay Products	\$	1,683,483	3,445,872	2,508,033
53	GRAND TOTAL 1949	\$	27,583,615	56,092,830	7,134,009
54	GRAND TOTAL 1948	\$	—	56,400,245	7,003,285

1. Newfoundland joined Confederation in 1949.

TABLE 2. Mineral Production, by Provinces, 1949 - Concluded¹

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	Canada	No.
-	-	-	-	-	-	-	-	195	1
-	-	-	-	-	-	-	-	12,450	2
-	203,187	94,918	-	-	79,913	-	-	3,014,249	3
-	871,467	797,723	-	-	616,966	-	-	5,423,690	4
10,873	-	-	-	-	2,752	-	-	13,625	5
184,586	-	-	-	-	23,301	-	-	207,887	6
1,536,200	-	-	Not available for publication	-	-	-	-	1,536,200	7
1,973,894	938,662	-	-	-	578,000	-	-	3,490,556	8
71,217	31,566	-	-	-	5,675	-	-	108,458	9
304,216	2,475	-	-	-	-	-	-	306,691	10
145,830	410	-	-	-	-	-	-	146,240	11
-	78,783	-	-	-	-	-	-	78,783	12
-	623,002	-	-	-	-	-	-	623,002	13
21,168	7,381	1,367	-	-	44,581	-	-	80,249	14
445,636	210,008	56,712	-	-	1,508,093	-	-	2,376,849	15
20	-	-	-	-	-	-	-	20	16
291	-	-	-	-	-	-	-	291	17
165,792	1,404,140	-	127,297	700	24,547	-	-	1,722,476	18
380,477	1,020,411	-	63,649	10,500	113,494	-	-	1,588,531	19
-	607,206	18,734	8,104	28,359	-	-	-	749,015	20
-	3,477,583	367,186	144,526	547,304	-	-	-	5,566,725	21
-	1,194	-	-	-	-	-	-	3,663	22
-	148,258	-	-	-	-	-	-	453,797	23
13,322	13,600	-	-	-	-	-	-	26,922	24
160,036	160,757	-	-	-	-	-	-	320,793	25
-	-	-	-	-	47	-	-	47	26
-	-	-	-	-	513	-	-	513	27
-	-	-	120,259	-	-	-	-	120,259	28
-	-	-	1,614,731	-	-	-	-	1,614,731	29
88,804	12,630	-	-	-	180,437	-	-	261,871	30
348,807	126,300	-	-	-	1,564,277	-	-	2,039,384	31
43,421,579	7,122,540	1,221,621	1,822,906	557,804	3,846,427	-	-	64,585,216	32
-	-	-	1,870,487	8,616,855	1,906,963	--	3,156	19,120,046	33
-	-	-	3,533,930	44,644,153	10,798,560	--	29,382	110,915,121	34
-	8,024,213	-	812,916	51,179,779	-	65,234	-	60,457,177	35
-	8,826,634	-	81,292	2,558,989	-	6,523	-	11,620,302	36
-	56	-	-	-	-	-	-	56	37
-	560	-	-	-	-	-	-	560	38
-	260,670	-	782,188	20,087,418	-	155,528	-	21,305,348	39
-	901,143	-	836,941	58,999,936	-	353,108	-	61,118,490	40
-	9,728,337	-	4,452,163	106,203,078	10,798,560	359,631	29,382	183,654,473	41
5,580,421	7,435,439	514,705	545,588	1,603,199	707,295	--	-	17,981,709	42
6,901,192	4,599,322	1,502,308	-	1,659,503	1,254,239	--	-	15,916,564	43
13,722,635	9,155,613	3,538,122	-	3,456,141	3,029,425	--	-	32,901,936	44
329,973	529,986	51,019	-	27,071	57,226	--	-	1,018,823	45
3,175,121	5,569,550	673,156	-	295,441	1,221,287	--	-	11,309,820	46
19,179,692	22,320,753	2,260,196	1,930,959	2,448,814	8,723,407	--	-	63,356,308	47
7,326,456	11,214,136	696,783	1,795,766	1,553,589	4,750,620	--	-	31,181,541	48
5,081,051	5,649,528	185,917	-	13,632	2,133,811	--	-	13,928,039	49
8,930,495	7,380,457	369,054	-	55,025	1,970,172	--	-	20,528,073	50
38,735,128	40,755,195	5,791,820	2,341,354	6,963,395	11,678,799	--	-	113,903,079	51
165,021,513	323,368,644	23,839,638	36,054,536	113,728,423	136,385,911	6,801,729	5,099,176	901,110,026	52
152,078,867	294,239,673	26,081,349	34,517,208	93,211,229	148,223,614	4,267,485	4,265,910	820,248,865	53

1. Newfoundland joined Confederation in 1949.

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	5,421,659	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	10.63
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	42,428,607	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	19,627,592	106,823,623	14.93
1911	46,105,423	28,746,214	5,659,746	22,709,611	103,220,994	14.32
1912	61,172,733	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	145,634,612	19.35
1914	59,386,619	37,302,122	6,185,107	26,009,227	128,663,075	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	48,787,368	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	16,876,377	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	116,951,996	57,354,055	14,628,048	37,649,234	226,583,333	24.19
1926	115,050,770	68,743,933	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	76,787,397	21,245,279	58,534,834	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	11,026,311	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	34,669,899	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	474,602,059	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	37,329,163	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	502,816,251	40.86
1947	395,069,530	110,481,207	54,742,453	84,576,785	644,869,975	51.25
1948	488,151,055	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
Total 1886 - 1949					14,136,639,070	

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. Values of Mineral Production, by Provinces, since 1935

Year	Newfoundland	Nova Scotia	New Brunswick	Quebec.	Ontario	Manitoba
	\$	\$	\$	\$	\$	\$
1935.....	—	23,183,128	2,821,027	39,124,696	158,934,269	12,052,417
1936.....	—	26,672,278	2,587,791	49,736,919	184,532,892	11,315,527
1937.....	—	30,314,188	2,763,643	65,160,215	230,042,517	15,751,645
1938.....	—	26,253,645	3,802,565	68,965,594	219,801,994	17,173,002
1939.....	—	30,746,200	3,949,433	77,335,998	232,519,948	17,137,930
1940.....	—	33,318,587	3,435,916	86,313,491	261,483,349	17,828,522
1941.....	—	32,569,867	3,690,375	99,651,044	267,435,727	16,689,867
1942.....	—	32,783,165	3,690,158	104,300,010	259,114,946	14,345,046
1943.....	—	29,979,837	3,676,834	101,610,678	232,948,959	13,412,266
1944.....	—	33,981,977	4,133,902	90,182,553	210,706,307	13,830,406
1945.....	—	32,220,659	4,182,100	91,518,120	216,541,856	14,429,423
1946.....	—	35,350,271	4,813,166	92,785,148	191,544,429	16,403,549
1947.....	—	34,255,560	5,812,943	115,151,635	249,797,671	18,236,763
1948.....	—	56,400,245	7,003,285	152,038,867	294,239,673	26,081,349
1949.....	27,583,615	56,092,830	7,134,009	165,021,513	323,368,644	23,839,638
	Saskatchewan	Alberta	British Columbia	Northwest Territories ¹	Yukon	
	\$	\$	\$	\$	\$	\$
1935.....	3,816,943	22,289,681	48,692,050	541,638	1,302,308	
1936.....	6,970,397	23,305,726	54,407,036	775,834	2,220,372	
1937.....	10,271,463	25,597,117	73,555,798	994,518	3,784,528	
1938.....	7,782,847	28,966,272	64,549,130	1,614,076	3,959,570	
1939.....	8,794,090	30,691,617	65,216,745	3,248,777	4,961,321	
1940.....	11,505,858	35,092,337	74,134,485	2,594,157	4,118,333	
1941.....	15,020,555	41,364,385	76,841,180	3,860,298	3,117,992	
1942.....	20,578,749	47,359,831	77,247,932	3,976,267	3,453,568	
1943.....	26,735,984	48,941,210	68,442,386	2,679,993	1,625,819	
1944.....	22,291,848	51,066,662	57,246,071	1,440,069	939,319	
1945.....	22,336,074	51,753,237	64,063,842	470,812	1,239,058	
1946.....	24,480,900	60,082,513	74,622,846	1,039,525	1,693,904	
1947.....	32,594,016	67,432,270	116,772,621	2,720,988	2,095,508	
1948.....	34,517,208	93,211,229	148,223,614	4,267,485	4,265,910	
1949.....	36,054,536	113,728,425	136,385,911	6,801,729	5,099,176	

1. Values of pitchblende products not included since 1941.

TABLE 5. Mineral Production of Newfoundland¹ 1949

Product		Quantity	Value
		\$	
METALLICS:			
Copper	lb.	7,233,952	1,444,837
Gold	fine oz.	9,269	333,684
Iron ore	short ton	1,657,888	7,947,914
Lead	lb.	37,216,398	5,880,191
Silver	fine oz.	585,026	434,382
Zinc	lb.	63,818,908	8,454,091
NON-METALLICS:			
Fluorspar	ton	58,077	1,405,033
STRUCTURAL MATERIALS:			
Clay products	—	—	25,450
Lime	ton	466	22,460
Sand and gravel	ton	1,416,202	999,598
Stone	ton	392,263	635,975
Total	—	—	27,583,615

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

MINERAL STATISTICS OF CANADA

TABLE 6. Mineral Production of Nova Scotia, 1947-1949

Product	1947		1948		1949	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
METALLICS:						
Gold	fine oz.	1,271	44,485	188	6,580	64
Lead	pound	-	-	-	-	-
Silver	fine oz.	97	70	8	6	3
NON-METALLICS:						
Barite	ton	125,760	1,353,705	94,068	1,056,590	45,824
Coal	ton	4,118,196	27,175,251	6,430,991	47,874,509	6,181,779
Diatomite	ton	44	1,205	22	670	24
Gypsum	ton	2,137,704	2,303,275	2,795,848	3,028,646	2,555,795
Quartz	ton	9,146	55,393	7,651	52,863	-
Salt	ton	40,107	416,332	61,799	700,164	86,612
Silica brick	M	1,983	181,841	2,198	260,397	2,469
STRUCTURAL MATERIALS:						
Clay products	-	-	752,126	-	1,031,685	-
Sand and gravel	ton	2,966,680	1,363,363	1,636,808	1,706,838	1,933,652
Stone	ton	379,622	608,514	239,658	681,297	252,641
Total	-	-	34,255,560	-	56,400,245	-
						56,092,830

TABLE 7. Mineral Production of New Brunswick, 1947-1949

Product	1947		1948		1949	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
METALLICS:						
Iron ore	ton	-	-	-	-	-
Manganese ore	ton	225	7,875	-	-	-
NON-METALLICS:						
Coal	ton	345,194	2,301,511	522,136	3,734,635	540,506
Grindstones	ton	335	21,475	220	20,100	195
Gypsum	ton	65,939	711,535	61,534	338,405	80,436
Natural gas	M cu. ft.	489,810	279,790	420,352	287,446	375,035
Petroleum	bbl.	23,129	32,381	21,372	29,920	19,544
Peat Moss	ton	2,527	60,943	4,482	136,001	5,752
STRUCTURAL MATERIALS:						
Clay products	-	-	381,184	-	434,772	-
Lime	ton	20,938	295,178	22,884	353,621	23,082
Sand and gravel	ton	3,464,347	1,278,376	3,347,817	1,231,256	3,142,633
Stone	ton	227,419	442,695	138,478	437,129	219,196
Total	-	-	5,812,943	-	7,003,285	-
						7,134,000

TABLE 8. Mineral Production of Quebec¹, 1947-1949

Product	1947		1948		1949	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
METALLICS:						
Bismuth	lb.	15	30	13,203	26,406	-
Chromite	ton	2,162	42,159	1,715	33,568	361
Copper	lb.	85,121,428	17,356,259	97,626,279	21,819,473	135,644,936
Gold	fine oz.	598,127	20,934,445	770,625	26,971,675	964,184
Lead	lb.	8,175,577	1,117,601	9,521,844	1,717,741	11,598,163
Magnesium	lb.	2	-	3	88	-
Manganese ore	ton	-	-	-	-	-
Molybdenite concentrates	lb.	759,795	309,048	304,762	137,143	-
Selenium	lb.	181,573	339,542	119,487	238,974	99,709
Silver	fine oz.	2,134,189	1,536,616	2,376,754	1,782,566	3,250,578
Tellurium	lb.	-	-	-	-	-
Titanium ore	ton	7,104	36,036	4,441	21,091	540
Zinc	lb.	69,462,925	7,800,686	95,758,039	13,339,095	125,321,298
NON-METALLICS:						
Arsenical (As ₂ O ₃)	lb.	787,736	49,348	394,232	27,246	350,707
Asbestos	ton	661,821	33,005,748	716,769	42,231,475	574,906
Feldspar	ton	29,146	320,964	42,800	464,926	31,848
Iron oxides (ochre)	ton	13,360	257,621	12,095	193,619	10,873
Magnesian dolomite and brucite	ton	-	1,238,948	-	1,724,489	-
Mica	ton	1,636	120,712	2,136	173,744	987
Natural mineral waters	Imp. gal.	195,452	116,840	190,139	109,789	304,216
Peat moss	ton	21,292	383,795	24,622	434,125	21,168
Phosphate	ton	-	-	-	-	20
Quartz	ton	226,050	638,521	331,055	767,118	165,792
Soapstone and talc	ton	13,279	123,467	14,479	145,361	13,322
Sulphur	ton	48,688	187,112	69,463	263,330	88,804
STRUCTURAL MATERIALS:						
Cement	bbl.	5,453,407	9,351,477	6,517,031	12,306,243	6,901,192
Clay products	-	-	4,257,423	-	5,123,908	-
Lime	ton	349,038	2,903,491	393,593	3,707,633	329,973
Sand and gravel	ton	16,537,303	4,877,339	28,102,377	9,535,944	19,179,692
Stone	ton	4,266,956	7,846,407	4,880,759	8,741,897	5,081,051
Total	-	-	115,151,635	-	152,038,867	-
						165,021,513

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

2. Included in Magnesian dolomite, brucite.

TABLE 9. Mineral Production of Ontario, 1947-1949

Product	1947		1948		1949	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
METALLICS:						
Barium	lb.	568	1,278	2,552	7,988	-
Bismuth	lb.	-	-	5,362	10,724	-
Calcium	lb.	602,665	642,607	895,203	1,723,266	520,609
Cobalt	lb.	572,673	875,644	1,544,852	2,029,178	619,065
Copper	lb.	227,867,613	46,018,544	240,765,806	53,384,560	226,085,423
Gold	fine oz.	1,944,819	68,068,665	2,095,377	73,338,195	2,354,509
Iron ore	short ton	1,919,366	9,313,201	1,336,565	7,482,960	2,011,736
Lead	lb.	282,765	38,654	343,883	62,036	-
Magnesium	lb.	2	-	-	-	-
Nickel	lb.	237,251,496	70,650,764	263,479,163	86,904,235	257,379,216
Palladium, rhodium, etc.	fine oz.	110,332	4,387,740	148,343	6,295,132	182,225
Platinum	fine oz.	94,570	5,582,467	121,162	10,601,675	153,691
Selenium	lb.	146,406	273,779	108,989	217,978	86,842
Silver	fine oz.	2,342,032	1,686,263	3,210,107	2,407,580	2,562,859
Tellurium	lb.	6,169	10,796	8,739	15,293	8,726
Tungsten concentrates	lb.	-	-	-	-	-
Zinc	lb.	-	-	-	-	-
NON-METALLICS:						
Arsenic (As ₂ O ₃)	lb.	-	-	767,764	55,663	175,938
Asbestos	ton	-	-	-	-	-
Barite	ton	40	398	47	473	-
Feldspar	ton	6,958	60,396	12,051	99,511	5,100
Fluorspar	ton	7,186	209,886	11,340	344,834	6,400

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

2. Not available for publication.

MINERAL STATISTICS OF CANADA

TABLE 9. Mineral Production of Ontario, 1947-1949 - Concluded

Product	1947		1948		1949	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
NON-METALLICS:						
Garnet (schist).....	ton 1	300	ton 2	200	-	-
Graphite.....	ton 2,398	207,364	ton 2,539	239,931	ton 2,147	212,496
Gypsum.....	ton 155,249	671,548	ton 182,303	770,004	ton 203,187	871,467
Mica.....	ton 1,619	55,951	ton 1,563	37,674	ton 469	31,566
Natural mineral waters.....	Imp. gal. 3,500	600	ton 2,400	470	ton 2,475	410
Natural gas.....	M cu. ft. 7,785,921	5,334,991	ton 8,590,429	6,958,247	ton 8,024,213	8,826,634
Nepheline syenite.....	ton 66,995	341,635	ton 74,386	506,462	ton 78,783	623,002
Peat(fuel).....	ton 95	950	ton 85	850	ton 56	560
Peat(moss).....	ton 8,250	170,443	ton 7,261	189,447	ton 7,381	210,008
Petroleum.....	bbl. 131,295	350,000	ton 176,989	608,109	ton 260,670	901,143
Phosphate.....	ton -	-	ton -	-	ton -	-
Quartz ¹	ton 1,442,341	949,210	ton 1,496,652	1,019,997	ton 1,404,140	1,020,411
Salt.....	ton 633,766	3,132,165	ton 619,598	3,265,654	ton 607,206	3,477,583
Silica brick.....	M 1,111	12,157	ton 1,266	133,424	ton 1,194	148,258
Sulphur ²	ton 15,951	159,310	ton 15,550	155,500	ton 12,630	126,300
Talc	ton 13,430	142,910	ton 14,301	164,462	ton 13,600	160,757
STRUCTURAL MATERIALS:						
Cement.....	bbl. 3,529,438	6,219,993	ton 3,660,756	7,076,317	ton 4,599,322	9,155,613
Clay Products.....	-	5,289,528	ton -	6,563,754	ton -	7,435,439
Lime.....	ton 490,681	3,996,494	ton 508,130	4,761,521	ton 529,986	5,569,550
Sand and gravel.....	ton 20,230,499	9,034,131	ton 20,588,496	10,468,216	ton 22,320,753	11,214,136
Stone	ton 4,844,647	5,906,909	ton 5,017,940	6,338,253	ton 5,649,528	7,380,457
Total	-	249,797,671	-	294,239,673	-	323,368,644

1. Includes low grade silica sand for fluxing purposes.

2. Sulphur content of pyrites shipped and estimated sulphur salvaged from smelter gases.

TABLE 10. Mineral Production of Manitoba, 1947-1949

Product	1947		1948		1949	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
METALLICS:						
Cadmium.....	lb. 75,030	129,052	ton 67,926	123,965	ton 70,800	145,140
Copper.....	lb. 30,631,768	6,245,817	ton 37,920,181	8,475,160	ton 33,920,148	6,774,871
Gold.....	fine oz. 72,906	2,551,710	ton 106,176	3,716,160	ton 137,399	4,946,364
Selenium.....	lb. 33,653	62,931	ton 34,936	69,872	ton 16,012	32,825
Silver.....	fine oz. 424,365	305,543	ton 737,298	552,974	ton 554,266	411,542
Tellurium.....	lb. 588	1,029	ton 578	1,012	ton 361	650
Zinc.....	lb. 27,753,131	3,116,677	ton 41,315,045	5,755,186	ton 34,081,713	4,514,805
NON-METALLICS:						
Coal	ton -	-	ton -	-	ton -	-
Gypsum.....	ton 79,356	525,197	ton 94,698	836,483	ton 94,918	797,723
Peat moss.....	ton 1,845	76,291	ton 1,939	79,654	ton 1,367	56,712
Salt.....	ton 24,974	449,608	ton 25,251	420,430	ton 18,734	367,186
STRUCTURAL MATERIALS:						
Cement.....	bbl. 1,352,109	3,009,157	ton 1,697,042	3,919,145	ton 1,502,308	3,538,122
Clay products	ton -	392,518	ton -	517,181	ton -	514,705
Lime	ton 40,397	460,717	ton 46,933	577,652	ton 51,019	673,156
Sand and gravel.....	ton 1,765,976	549,640	ton 2,498,277	754,196	ton 2,260,196	696,783
Stone.....	ton 119,763	360,876	ton 147,839	282,279	ton 185,917	369,054
Total	-	18,236,763	-	26,081,349	-	23,839,638

TABLE 11. Mineral Production of Saskatchewan, 1947-1949

Product	1947		1948		1949	
	Quantity	Value	Quantity	Value	Quantity	Value
METALLICS:		\$		\$		\$
Cadmium	lb.	97,866	168,330	80,938	147,712	110,292
Copper	lb.	66,301,926	13,518,963	62,148,713	13,890,237	69,919,293
Gold	fine oz.	93,747	3,281,145	87,927	3,077,445	94,208
Selenium	lb.	139,458	260,786	127,482	254,964	115,662
Silver	fine oz.	1,282,548	923,433	1,323,900	992,925	1,482,009
Tellurium	lb.	2,437	4,265	2,108	3,689	2,605
Zinc	lb.	65,503,602	7,356,054	60,943,757	8,489,465	64,266,312
NON-METALLICS:						
Coal	ton	1,571,147	2,928,812	1,589,172	3,020,305	1,870,487
Quartz ¹	ton	124,322	43,513	151,676	53,086	127,297
Salt	ton	-	-	-	-	8,104
Sodium sulphate	ton	163,290	1,793,043	153,698	2,136,278	120,259
Natural gas	M cu. ft.	274,193	68,891	477,271	47,727	812,916
Petroleum crude	bbl.	540,117	614,156	849,166	976,541	782,188
STRUCTURAL MATERIALS:						
Clay products	-	-	495,016	-	506,593	-
Sand and gravel	ton	2,131,705	1,137,609	1,846,336	917,243	1,930,959
Total		-	32,594,016	-	34,517,208	-
						36,054,536

1. Low grade silica sand for fluxing purposes.

TABLE 12. Mineral Production of Alberta, 1947-1949

Product	1947		1948		1949	
	Quantity	Value	Quantity	Value	Quantity	Value
METALLICS:		\$		\$		\$
Gold, fine oz.	78	2,730	78	2,730	115	4,140
Silver, fine oz.	16	12	7	5	11	8
NON-METALLICS:						
Bituminous sands.....	ton	-	1	-	1	1
Coal	ton	8,070,430	36,439,156	8,123,255	42,217,449	6,616,855
Natural gas	M cu. ft.	44,106,643	7,745,886	48,965,217	6,324,087	51,179,779
Petroleum	bbl.	6,770,477	18,078,907	10,888,592	35,127,751	20,067,418
Quartz.....	ton	-	-	-	-	700
Salt	ton	29,698	438,825	34,613	449,780	28,359
STRUCTURAL MATERIALS:						
Cement.....	bbl.	737,551	1,491,510	1,224,313	2,521,978	1,659,503
Clay products	-	-	1,771,250	-	2,055,736	-
Lime	ton	25,733	235,509	24,371	234,770	27,071
Sand and gravel	ton	2,058,142	1,170,883	3,592,275	2,219,497	2,446,814
Stone	ton	13,883	57,600	14,298	57,444	13,632
Total		-	67,432,270	-	93,211,229	-
						6,963,395

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

TABLE 13. Mineral Production of British Columbia, 1947 - 1949

Product	1947		1948		1949	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
METALLICS:						
Antimony.....	lb.	1,150,463	384,255	310,062	113,173	158,288
Bismuth.....	lb.	284,357	560,183	221,677	443,354	102,913
Cadmium.....	lb.	545,638	938,497	617,226	1,126,437	665,449
Copper.....	lb.	41,800,358	8,402,305	43,002,987	9,590,326	54,109,680
Gold.....	fine oz.	249,011	8,715,385	306,998	10,744,930	304,307
Iodium.....	fine oz.	—	—	—	—	689
Iron ore.....	ton	—	679	4,751	5,472	1,550
Lead.....	lb.	313,733,089	42,887,313	320,037,525	57,734,170	265,378,899
Mercury.....	lb.	—	—	—	—	—
Palladium, Rhodium, etc.	fine oz.	—	—	—	8	852
Platinum.....	fine oz.	—	—	242	21,175	93
Silver.....	fine oz.	5,903,367	4,250,424	6,717,908	5,038,431	7,573,506
Tin.....	lb.	714,198	517,794	691,332	688,567	619,117
Tungsten concentrates.....	lb.	496,023	680,792	1,046,160	1,046,160	252,360
Zinc.....	lb.	253,006,168	28,412,593	270,310,195	37,654,210	288,188,620
NON-METALLICS:						
Arsenic (As ₂ O ₃).....	lb.	1	1	1	1	1
Barite.....	ton	2,875	26,650	1,632	16,317	1,314
Coal.....	ton	1,762,899	8,630,285	1,780,334	9,811,253	1,906,963
Diatomite.....	ton	59	1,472	24	817	36
Gypsum.....	ton	58,736	523,298	82,426	574,707	79,913
Iron oxides (ochre).....	ton	58	701	1,086	9,772	2,752
Mica (schist).....	ton	904	24,240	251	8,530	289
Peat moss.....	ton	46,104	1,588,349	51,496	1,928,651	44,561
Quartz.....	ton	34,569	109,975	30,228	189,509	24,547
Sodium carbonate.....	ton	163	1,793	—	—	47
Sulphur ²	ton	157,162	1,476,445	144,450	1,417,528	160,437
STRUCTURAL MATERIALS:						
Cement.....	bbl.	863,740	1,896,772	1,027,981	2,441,304	1,254,239
Clay products.....	—	—	1,147,144	—	1,392,417	—
Lime.....	ton	50,626	651,118	57,673	1,019,865	57,226
Sand and gravel.....	ton	7,634,917	3,703,090	7,056,477	3,796,406	8,723,407
Stone.....	ton	1,037,098	1,241,748	1,257,671	1,410,254	2,133,611
Total	—	—	116,772,621	—	148,223,614	—
						136,385,911

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.

TABLE 14. Mineral Production of Yukon and the North West Territories, 1947 - 1949

Product	1947		1948		1949	
	Quantity	Value	Quantity	Value	Quantity	Value
	\$		\$		\$	
Yukon						
METALLICS:						
Gold.....	fine oz.	47,745	1,671,075	60,614	2,121,490	81,970
Lead.....	lb.	1,145,256	156,556	4,598,665	829,599	5,356,405
Silver.....	fine oz.	372,051	267,877	1,718,618	1,288,964	1,562,730
Tungsten concentrates.....	lb.	—	—	—	—	—
Zinc.....	lb.	—	—	—	—	847,246
NON-METALLIC:						
Coal.....	ton	—	—	3,801	25,857	3,156
Total	—	—	2,095,508	—	4,265,910	—
						5,099,176
North West Territories						
Gold	fine oz.	62,517	2,188,095	101,625	3,556,875	177,493
Pitchblende products.....	—	1	1	1	1	1
Natural gas.....	M cu. ft.	—	—	150,000	15,000	65,234
Silver.....	fine oz.	45,355	32,655	25,382	19,036	70,505
Petroleum, crude.....	bbl.	227,474	500,238	350,541	676,574	155,528
Tungsten concentrates.....	lb.	—	—	—	—	—
Total	—	—	2,720,988	—	4,267,485	—
						6,801,729

1. Data not available for publication.

TABLE 15. Tonnage of Ore Mined and Rock Quarried in the Canadian Mining Industry, 1945 - 1949

	1945	1946	1947	1948	1949
Gold quartz ores.....	9,780,555	10,712,615	11,632,841	13,630,705	15,999,866
Copper-gold-silver ores.....	5,914,580	5,009,490	5,462,233	6,496,499	8,245,402
Nickel-copper ores.....	10,854,735	6,224,751	11,137,609	11,688,146	10,923,823
Silver-cobalt ores.....	30,519	32,841	10,572	8,905	38,798
Silver-lead-zinc ores.....	3,086,683	2,805,658	2,857,461	3,147,849	3,915,405
Miscellaneous metals (iron ore etc.).....	1,605,514	2,131,691	2,242,743	1,904,683	4,208,410
Asbestos.....	8,765,370	9,127,859	9,837,045	10,759,016	8,218,045
Feldspar and nepheline syenite.....	91,535	71,214	142,296	139,680	123,785
Quartz, exclusive of sand (shipments).....	807,002	879,310	1,315,427	1,341,914	1,805,490
Gypsum and anhydrite.....	830,723	2,027,045	2,604,075	3,487,964	3,157,114
Talc and soapstone.....	26,599	28,624	25,834	30,319	28,935
Iron oxides.....	8,189	8,823	20,664	22,935	22,443
Other non-metals.....	614,286	589,036	685,704	754,668	488,549
Stone, all kinds, quarries (exclusive of stone used for cement and lime).....	6,205,555	8,056,260	10,889,388	11,696,643	13,928,039
Stone used for the manufacture of cement.....	1,919,858	2,525,653	3,215,714	3,612,615	4,140,900
Estimate rock for the manufacture of lime.....	1,482,077	1,445,891	1,730,819	1,792,700	1,737,508
Total (other than coal).....	52,023,780	53,876,761	63,810,425	70,515,241	76,982,512

TABLE 16. Yearly Average Prices of Copper, Lead, Zinc and Silver from 1930
(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 ¹		Yearly average	Yearly average	Yearly average	Yearly average ¹
1930.....	12.982	5.517	4.556	38.154	1940.....	11.298	5.179	6.335	34.773
1931.....	8.116	4.243	3.640	28.700	1941.....	11.797	5.793	7.474	34.783
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

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

TABLE 17. Average Annual Metal Prices, in Canadian Dollars, 1930 - 1949

Year	Gold	Silver	Copper	Lead	Zinc	Year	Gold	Silver	Copper	Lead	Zinc
	Troy oz.	Troy oz.	Pound	Pound ²	Pound ²		Troy oz.	Troy oz.	Pound	Pound ²	Pound ²
1930.....	\$ 20.67	\$ 0.381	\$ 0.130 ¹	\$ 0.039	\$ 0.036	1940.....	\$ 38.50	\$ 0.382	\$ 0.101	\$ 0.034	\$ 0.034
1931.....	21.55	0.298	0.0837 ¹	0.027	0.025	1941.....	38.50	0.3826	0.101	0.034	0.034
1932.....	23.47	0.317	0.0638	0.021	0.024	1942.....	38.50	0.4216	0.101	0.034	0.034
1933.....	28.60	0.378	0.0745	0.024	0.032	1943.....	38.50	0.4525	0.1175	0.0375	0.040
1934.....	34.50	0.475	0.0742	0.024	0.030	1944.....	38.50	0.430	0.120	0.045	0.043
1935.....	35.19	0.648	0.0780	0.031	0.031	1945.....	38.50	0.470	0.1255	0.050	0.0644
1936.....	35.03	0.451	0.0948	0.039	0.033	1946.....	36.75	0.8365	0.128	0.0675	0.0781
1937.....	34.99	0.449	0.131	0.051	0.0490	1947.....	35.00	0.72	0.2039	0.1367	0.1123
1938.....	35.17	0.435	0.0997	0.034	0.031	1948.....	35.00	0.75	0.2235	0.1804	0.1393
1939.....	36.14	0.405	0.101 ²	0.032	0.031	1949.....	36.00	0.7425	0.1997	0.158	0.1325

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

2. Based on London; prices controlled by Government 1939-1947. Based on New York 1947-1949.

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949

No.		Asbestos	Cement	Clay Products	Coal	Copper	Feldspar	Gold
		ton	barrel	\$	ton	pound	ton	ounce
1929								
1	January	17,882	385,679	520,329	1,585,072	19,851,992	2,114	150,554
2	February	22,421	430,710	519,517	1,649,960	18,519,540	6,592	145,981
3	March	22,109	581,815	703,873	1,387,696	18,778,007	4,505	155,932
4	April	24,770	796,475	1,015,007	1,395,817	18,329,692	967	153,470
5	May	28,458	1,233,644	1,493,793	1,404,861	19,233,246	1,816	165,139
6	June	27,140	1,579,163	1,607,817	1,360,774	20,693,627	2,617	170,450
7	July	28,368	1,669,915	1,717,539	1,316,153	20,780,226	1,893	159,346
8	August	29,254	1,697,090	1,700,532	1,362,166	21,284,978	5,363	164,522
9	September	27,891	1,447,387	1,451,823	1,410,020	20,412,466	2,814	161,543
10	October	30,120	1,423,469	1,421,856	1,598,659	20,707,401	2,306	182,148
11	November	27,911	760,083	1,087,247	1,534,386	24,121,825	4,133	150,497
12	December	19,731	278,631	665,310	1,490,993	25,407,760	2,407	168,726
13	Total	306,055	12,284,081	13,904,643	17,496,557	248,120,760	37,527	1,928,308
1930								
14	January	17,020	270,702	464,226	1,643,623	24,968,353	2,482	154,506
15	February	16,021	297,466	434,441	1,194,711	24,256,918	7,299	145,806
16	March	19,448	451,396	603,242	1,136,765	28,230,380	1,168	164,187
17	April	23,690	786,111	824,881	913,203	26,632,892	498	169,596
18	May	22,914	1,213,307	1,107,824	1,124,545	27,516,632	791	168,695
19	June	23,899	1,321,036	1,173,618	1,151,963	26,131,265	1,324	175,927
20	July	16,973	1,512,929	1,174,617	1,058,424	26,187,676	1,928	170,697
21	August	18,249	1,475,163	1,143,778	1,111,676	26,121,634	1,622	170,052
22	September	20,629	1,410,620	1,059,618	1,252,902	26,044,280	1,944	178,291
23	October	26,173	1,186,810	1,045,627	1,659,315	23,710,692	2,326	186,844
24	November	18,344	713,643	887,537	1,349,894	21,763,591	2,150	197,688
25	December	18,754	393,355	674,167	1,284,503	21,914,043	3,264	219,779
26	Total	242,114	11,032,538	10,593,578	14,881,324	303,478,356	26,796	2,102,068
1931								
27	January	12,901	343,975	423,901	1,179,885	21,659,762	643	203,227
28	February	13,487	417,515	385,822	963,340	22,777,057	404	195,964
29	March	13,454	607,872	496,561	1,051,253	25,313,268	858	204,877
30	April	14,264	835,769	677,126	898,747	27,654,870	758	222,866
31	May	12,446	1,090,449	943,101	912,337	27,560,375	2,251	216,597
32	June	13,237	1,242,864	805,094	891,425	23,198,821	2,825	229,478
33	July	13,745	1,111,253	796,194	831,880	23,482,263	2,256	228,878
34	August	13,221	1,118,482	767,745	767,547	26,967,784	2,315	229,216
35	September	15,957	1,086,428	695,622	1,012,659	24,681,881	2,029	243,109
36	October	16,726	1,135,339	723,622	1,226,032	22,694,769	2,076	239,691
37	November	14,221	801,040	598,180	1,301,659	23,435,022	1,294	238,354
38	December	10,637	370,672	528,320	1,206,447	22,878,498	634	241,643
39	Total	164,296	10,161,658	7,841,288	12,243,211	292,304,390	18,343	2,693,892

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949

Gypsum	Lead	Lime	Natural Gas	Nickel	Petroleum	Salt	Silver	Zinc	No.
ton	pound	ton	M cu. ft.	pound	barrel	ton	ounce	pound	
30,745	24,804,216	49,859	3,385,285	9,705,455	54,726	23,132	1,698,374	16,013,178	1
31,155	20,752,317	47,224	3,356,327	8,396,837	52,882	23,958	1,002,084	16,235,153	2
41,515	23,987,657	54,355	2,756,836	8,785,121	69,503	29,674	1,547,888	19,050,553	3
86,785	27,253,518	53,135	2,559,024	9,473,039	83,317	20,813	1,324,140	17,813,561	4
108,574	27,721,065	54,134	2,153,964	9,337,783	100,508	27,420	2,109,616	17,565,687	5
154,401	31,245,307	60,892	1,449,818	9,299,840	107,539	29,847	3,646,042	16,636,830	6
175,668	31,437,074	63,092	1,368,873	8,076,148	108,740	30,181	2,405,342	14,339,395	7
149,617	26,823,502	63,079	1,412,660	7,443,248	111,093	29,876	2,206,253	16,092,288	8
161,583	25,079,193	59,078	1,632,286	6,699,971	100,525	28,359	1,594,027	16,889,922	9
141,666	31,222,106	61,033	2,112,892	7,310,172	113,723	31,303	1,903,449	14,101,118	10
91,110	24,277,133	59,376	2,706,521	14,913,819	114,029	29,826	1,517,464	14,825,078	11
38,870	31,919,478	48,830	3,483,976	10,834,479	100,783	25,875	2,188,582	17,704,324	12
1,211,689	326,522,566	674,087	28,378,462	110,275,912	1,117,368	330,264	23,143,261	197,267,087	13
10,957	23,373,510	42,710	4,009,116	9,226,010	98,205	23,723	1,691,577	17,627,865	14
11,087	32,055,395	36,350	3,277,451	7,732,229	87,911	19,579	1,822,822	20,538,855	15
15,132	32,432,687	40,366	3,110,033	9,834,941	116,630	22,120	1,795,865	22,188,090	16
30,464	29,540,270	42,685	2,508,484	10,188,755	100,002	25,911	2,541,507	20,036,901	17
100,173	26,661,383	47,970	2,172,646	9,536,891	103,915	25,661	2,162,921	19,754,884	18
230,779	28,941,307	43,867	1,345,030	8,582,699	116,636	23,316	3,072,358	22,346,295	19
144,720	26,247,425	44,981	1,344,616	9,377,712	120,062	24,832	1,978,498	19,794,662	20
140,709	25,696,717	40,042	1,538,348	9,086,052	132,955	23,405	2,014,983	26,048,452	21
95,234	27,168,676	39,526	1,711,029	10,241,381	136,757	22,062	2,616,557	25,603,361	22
101,874	26,251,897	39,714	2,327,470	7,458,314	167,446	22,806	1,948,412	24,913,602	23
78,424	23,557,959	40,257	2,929,939	7,088,217	157,063	22,035	2,337,397	23,663,946	24
82,415	30,966,937	32,334	3,102,757	5,415,656	182,639	16,245	2,460,926	25,126,592	25
1,070,968	332,894,163	490,802	29,376,919	103,768,857	1,522,220	271,695	26,443,823	267,643,505	26
10,159	28,420,331	27,458	3,113,338	6,500,944	179,711	10,698	2,106,153	20,313,866	27
19,653	19,048,424	24,076	2,895,369	6,693,185	155,651	10,844	2,128,208	20,553,489	28
11,317	25,664,846	29,709	2,675,136	8,358,289	160,358	13,346	1,872,888	23,297,788	29
33,375	29,037,271	30,461	2,386,879	4,134,541	153,705	13,976	1,664,699	22,707,451	30
97,493	19,574,813	31,684	1,983,262	10,653,724	156,392	13,065	1,789,650	24,213,078	31
128,529	24,674,145	31,442	1,504,916	4,532,015	148,602	14,125	1,397,266	22,471,392	32
133,349	21,971,196	30,200	1,414,696	5,309,456	119,327	14,126	2,083,553	20,831,627	33
126,515	21,242,912	27,622	1,261,510	4,432,598	103,314	14,152	1,542,695	19,198,013	34
115,050	19,184,304	29,282	1,512,228	5,038,816	101,435	12,661	1,222,588	16,433,590	35
82,487	20,402,002	30,074	1,845,567	3,096,300	99,924	16,101	1,698,935	16,803,673	36
51,414	17,535,017	28,428	2,465,423	3,385,927	99,835	14,354	1,543,252	15,841,329	37
54,411	20,587,221	24,349	2,816,399	3,530,525	106,201	13,641	1,512,360	14,580,155	38
863,752	267,342,482	344,785	25,874,723	65,666,320	1,584,455	161,089	20,562,247	237,245,451	39

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949 — Continued

No.		Asbestos	Cement	Clay Products	Coal	Copper	Feldspar	Gold
		ton	barrel	\$	ton	pound	ton	ounce
1932								
1	January	10,249	272,495	308,569	1,188,467	19,750,568	800	233,889
2	February	7,706	237,404	273,186	1,230,218	22,503,843	945	226,395
3	March	9,451	277,938	286,409	1,050,670	23,716,632	1,160	256,796
4	April	9,561	430,053	334,131	739,534	22,135,803	415	244,728
5	May	9,554	533,896	372,156	697,764	21,470,571	423	268,770
6	June	8,936	570,618	394,663	793,868	20,748,711	479	270,652
7	July	7,164	460,170	345,920	651,911	18,145,271	635	250,371
8	August	9,918	513,359	355,712	727,075	17,666,618	360	264,769
9	September	11,001	511,897	328,353	934,191	16,861,161	375	263,739
10	October	13,232	413,258	299,319	1,268,028	22,639,708	482	254,654
11	November	11,616	194,472	229,379	1,253,947	17,772,891	433	247,446
12	December	14,589	83,161	122,421	1,203,240	22,267,293	540	262,178
13	Total	122,977	4,498,721	3,650,218	11,738,913	247,679,070	7,047	3,044,387
1933								
14	January	6,063	64,728	115,837	1,038,643	23,075,970	481	234,359
15	February	5,585	45,292	78,373	1,049,897	17,178,479	255	229,145
16	March	5,558	95,173	101,658	825,023	21,783,476	191	261,197
17	April	8,322	172,440	129,803	670,633	19,877,694	432	237,970
18	May	11,331	309,612	233,550	677,859	21,175,850	635	238,803
19	June	12,690	400,924	236,660	698,951	25,381,907	1,041	262,460
20	July	14,805	414,687	255,571	675,264	29,609,235	779	256,663
21	August	16,702	449,153	275,090	894,837	28,243,639	1,099	257,607
22	September	18,915	424,566	264,344	1,140,978	30,720,201	1,729	236,526
23	October	19,894	348,521	241,493	1,579,351	29,894,112	1,484	244,212
24	November	20,849	182,082	213,865	1,346,878	26,431,609	1,304	241,928
25	December	17,653	100,254	116,591	1,304,830	26,610,276	1,228	248,639
26	Total	158,367	3,007,432	2,262,835	11,903,344	299,982,448	10,658	2,949,309
1934								
27	January	8,293	68,957	129,538	1,290,708	26,443,315	1,551	231,804
28	February	9,028	66,739	106,286	1,009,996	24,447,295	1,183	223,753
29	March	12,318	107,695	146,130	1,031,525	30,754,411	1,822	250,653
30	April	10,350	210,715	220,958	815,015	31,661,575	695	229,735
31	May	12,847	382,523	290,597	1,005,221	35,540,350	584	261,125
32	June	13,382	522,143	290,955	982,952	27,796,929	1,080	240,279
33	July	11,746	566,133	300,575	991,167	29,456,597	1,426	246,145
34	August	15,530	569,215	275,328	1,097,064	32,647,984	1,997	265,560
35	September	14,450	500,342	257,719	1,305,798	27,551,889	2,152	244,777
36	October	17,939	482,149	292,335	1,562,917	32,888,933	2,204	265,709
37	November	19,742	223,909	233,302	1,429,128	34,280,777	1,951	250,596
38	December	10,355	82,706	134,687	1,288,702	31,289,007	1,657	261,938
39	Total	155,980	3,783,226	2,680,410	13,810,193	364,761,062	18,302	2,972,074

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949 - Continued

Gypsum ton	Lead pound	Lime ton	Natural Gas M cu. ft.	Nickel pound	Petroleum barrel	Salt ton	Silver ounce	Zinc pound	No.
6,395	21,488,106	23,277	3,113,256	3,182,480	96,912	16,639	1,808,128	15,110,952	1
6,076	20,174,387	23,225	2,946,776	4,195,171	90,841	16,975	1,629,774	14,224,278	2
5,827	21,353,652	26,607	2,916,413	3,748,695	97,484	20,403	1,478,034	15,165,791	3
15,344	21,645,658	26,284	2,287,715	3,379,091	95,585	23,195	1,680,345	14,650,218	4
32,022	20,170,163	29,497	1,715,480	3,465,633	95,223	24,567	1,437,220	15,247,980	5
70,719	22,478,529	26,820	1,103,683	3,157,144	89,526	25,367	1,327,988	14,665,930	6
30,273	20,073,058	26,717	954,661	2,954,397	86,969	23,441	1,886,589	15,206,916	7
69,734	21,819,916	27,255	888,925	839,119	85,230	22,396	1,485,268	13,732,634	8
52,398	19,914,044	28,058	1,119,806	676,890	79,814	22,186	1,198,504	13,301,607	9
52,533	19,879,603	34,222	1,652,962	2,137,670	78,846	24,528	1,545,175	13,703,319	10
27,657	26,386,848	26,708	2,107,713	1,225,741	77,108	26,699	1,542,169	13,305,200	11
19,651	20,563,414	17,980	2,612,764	1,365,937	80,841	17,147	1,328,713	13,968,733	12
438,629	255,947,378	320,650	23,420,174	30,327,968	1,054,379	263,543	18,347,907	172,283,558	13
2,443	20,855,699	19,286	2,933,911	1,784,264	82,792	17,274	1,415,196	14,127,780	14
2,118	18,692,118	18,784	2,817,311	1,993,863	73,101	16,023	1,342,997	12,663,477	15
3,615	19,290,965	16,384	2,493,233	3,285,427	87,241	20,171	1,310,841	14,040,189	16
3,725	23,698,066	23,019	2,224,746	2,139,886	84,989	21,238	1,380,120	13,642,357	17
32,124	25,942,164	27,090	1,691,430	5,490,911	90,686	25,077	1,177,257	14,162,694	16
48,823	20,778,637	28,437	1,127,681	8,065,940	114,380	26,519	885,427	15,884,010	19
60,644	20,224,779	31,158	998,528	9,255,033	100,445	25,540	1,188,447	14,588,630	20
68,128	24,349,685	32,381	941,743	10,216,700	101,533	27,440	1,458,234	16,575,867	21
34,685	23,487,631	30,267	1,148,561	10,645,933	98,273	28,396	1,258,432	18,619,586	22
28,624	23,834,911	35,649	1,649,651	10,734,268	107,054	25,828	1,375,504	20,648,443	23
69,086	25,366,803	31,909	2,131,090	10,847,417	108,323	28,406	1,299,096	21,740,806	24
28,721	19,953,733	29,176	2,980,218	8,805,016	113,724	18,203	1,096,399	22,238,145	25
382,736	266,475,191	323,540	23,138,103	83,264,658	1,162,541	280,114	15,187,950	199,131,984	26
3,232	28,375,287	26,442	3,130,075	9,259,066	124,364	20,005	1,486,254	21,758,375	27
3,147	27,703,101	27,701	2,870,807	7,261,301	116,523	18,930	1,467,187	19,141,994	28
4,677	22,216,363	34,820	2,758,331	10,426,462	130,007	24,168	1,043,488	22,765,125	29
25,506	26,343,242	29,112	2,320,323	12,911,552	118,859	29,327	1,021,719	26,001,763	30
53,956	25,988,429	32,381	1,533,760	10,023,950	117,660	31,492	1,511,970	26,121,591	31
67,995	28,667,497	32,684	1,213,259	13,388,307	110,115	28,294	1,261,732	21,808,171	32
65,567	31,298,691	31,237	1,009,180	10,649,811	122,067	28,716	1,299,227	22,177,068	33
59,517	30,333,412	30,915	952,386	14,257,921	115,911	29,311	1,808,613	30,015,981	34
44,419	32,330,204	28,339	1,244,683	8,764,513	115,011	30,091	1,322,132	27,104,302	35
37,890	29,181,232	29,417	1,524,775	8,893,458	122,023	26,496	1,302,645	27,001,018	36
67,411	31,630,995	32,481	2,055,488	12,147,283	113,196	32,208	1,535,268	27,210,960	37
27,918	32,207,103	32,584	2,549,257	10,703,716	117,133	22,715	1,354,967	27,673,337	38
461,237	346,275,576	368,113	23,162,324	128,687,340	1,422,869	321,753	16,415,282	298,579,683	39

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949 - Continued

No.		Asbestos	Cement	Clay Products	Coal	Copper	Feldspar	Gold
		ton	barrel	\$	ton	pound	ton	ounce
1935								
1	January	10,521	53,953	88,155	1,520,325	33,472,667	819	238,974
2	February	11,861	71,404	97,962	1,018,092	33,466,366	635	229,637
3	March	11,833	131,907	151,010	1,038,668	37,832,255	873	249,665
4	April	14,723	246,340	210,464	892,896	38,848,907	552	245,963
5	May	18,589	391,123	286,246	926,493	35,779,084	1,136	269,595
6	June	15,338	434,708	317,127	930,093	35,823,079	1,907	286,093
7	July	15,420	457,175	348,978	981,080	30,966,804	2,660	285,763
8	August	23,153	479,402	343,351	987,846	32,593,815	1,923	295,896
9	September	20,373	480,844	342,450	1,118,198	33,927,147	1,169	281,533
10	October	27,144	517,219	374,449	1,558,683	35,421,463	1,701	300,886
11	November	25,565	266,348	270,903	1,622,322	34,524,933	3,165	293,317
12	December	15,947	117,667	181,468	1,293,310	36,541,180	1,202	307,588
13	Total	210,467	3,648,086	3,012,563	13,888,006	418,997,700	17,742	3,284,890
1936								
14	January	17,016	97,698	127,339	1,391,286	34,303,820	788	278,975
15	February	17,038	95,765	111,216	1,492,431	32,917,202	819	267,639
16	March	16,225	169,184	178,277	1,028,417	36,493,444	767	300,496
17	April	19,605	297,146	246,651	937,740	35,500,956	721	300,616
18	May	27,361	423,988	333,793	999,754	35,168,740	1,074	309,890
19	June	23,136	566,197	373,793	1,038,224	31,119,359	2,242	318,092
20	July	27,749	545,773	406,304	1,064,843	28,693,176	2,499	321,107
21	August	25,128	608,780	410,243	1,056,032	35,438,299	1,669	330,502
22	September	31,067	710,390	401,056	1,448,051	36,132,454	2,403	332,435
23	October	38,231	573,909	371,131	1,808,166	34,644,498	1,962	335,683
24	November	37,086	287,595	292,802	1,467,155	37,007,475	1,591	320,835
25	December	21,645	132,293	218,420	1,497,081	43,608,309	1,311	331,758
26	Total	301,287	4,508,718	3,471,027	15,229,182	421,027,732	17,846	3,748,028
1937								
27	January	22,521	97,737	145,002	1,499,326	37,284,612	1,087	329,023
28	February	27,382	101,651	136,463	1,286,374	36,442,389	1,563	310,485
29	March	32,843	210,738	191,150	1,110,599	41,811,140	2,094	326,738
30	April	42,392	373,603	309,848	989,853	42,026,576	1,053	323,885
31	May	37,748	559,937	405,229	1,078,603	41,594,475	1,216	340,498
32	June	35,446	756,253	517,141	1,073,670	42,574,992	2,231	345,359
33	July	35,298	836,669	542,545	1,145,334	41,750,471	2,498	347,716
34	August	36,991	913,533	517,852	1,241,948	44,549,447	2,118	349,108
35	September	39,327	942,196	528,676	1,421,383	48,063,788	2,249	348,528
36	October	33,570	774,385	496,759	1,712,369	51,915,082	1,693	359,395
37	November	37,737	414,803	470,211	1,669,747	50,746,377	1,505	353,281
38	December	28,771	187,466	254,183	1,506,948	49,269,266	2,039	362,197
39	Total	410,026	6,168,971	4,516,839	15,835,954	530,028,615	21,346	4,096,213

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949 - Continued

Gypsum ton	Lead pound	Lime ton	Natural Gas M cu. ft.	Nickel pound	Petroleum barrel	Salt ton	Silver ounce	Zinc pound	No.
3,508	22,801,153	29,337	3,630,583	9,419,574	123,940	21,347	1,265,225	24,927,726	1
3,297	27,533,488	29,070	2,669,417	8,818,273	110,403	20,971	1,025,258	20,679,256	2
4,464	31,750,104	32,867	2,735,637	10,651,409	119,333	25,765	1,289,011	27,021,993	3
36,582	24,952,047	35,285	2,343,337	11,872,816	114,417	31,745	1,025,273	23,688,134	4
38,452	26,929,409	34,457	1,724,827	11,365,544	125,035	33,968	1,665,133	27,476,119	5
75,707	27,509,446	32,769	1,216,101	11,701,703	120,400	28,802	1,524,740	28,254,101	6
91,704	29,269,276	34,018	1,034,769	10,220,876	122,230	37,529	1,183,820	27,658,014	7
81,424	26,620,501	33,455	1,054,043	10,903,373	121,517	29,017	1,630,399	28,930,131	8
48,174	26,471,867	35,005	1,215,747	12,936,881	124,540	32,417	1,347,904	27,125,462	9
59,400	32,986,982	38,731	1,893,058	13,399,099	123,546	34,614	1,323,659	27,575,751	10
67,885	32,545,947	37,534	2,312,485	12,181,930	117,048	39,419	1,616,355	28,911,026	11
21,267	29,734,859	32,891	3,080,782	15,044,762	124,795	24,749	1,721,781	28,402,146	12
541,864	339,105,079	405,419	24,910,786	138,516,240	1,447,204	360,343	16,618,558	320,649,859	13
4,887	28,105,650	31,771	3,494,610	14,082,665	120,261	21,888	1,217,111	27,415,869	14
2,877	27,149,114	29,558	4,158,389	16,185,811	106,973	23,457	1,240,733	20,701,884	15
5,329	31,294,840	34,888	2,943,088	15,699,860	116,611	26,239	1,469,442	26,316,915	16
40,007	33,670,727	38,407	2,500,059	11,042,441	109,104	28,521	1,467,925	23,731,010	17
76,634	32,047,660	41,182	1,822,614	11,840,380	114,297	41,819	1,422,856	29,663,548	18
109,767	28,523,448	39,189	1,332,595	14,100,492	114,141	35,107	1,667,807	30,022,201	19
132,461	32,324,511	38,968	1,216,095	12,596,376	142,404	35,787	1,811,959	34,794,466	20
81,896	33,987,026	38,091	1,184,327	12,379,095	142,572	34,510	1,567,358	33,544,390	21
87,510	29,128,356	42,011	1,520,748	15,905,474	135,684	34,466	1,352,430	31,169,138	22
157,490	28,260,126	46,132	2,035,414	12,769,154	137,004	37,504	1,593,017	31,724,468	23
75,661	38,316,019	45,247	2,613,760	15,087,856	129,152	43,695	1,676,751	22,779,772	24
59,303	40,373,432	42,957	3,291,649	18,049,789	139,728	28,323	1,847,308	21,319,075	25
833,822	383,180,909	468,401	28,113,348	169,739,393	1,507,931	391,316	18,334,487	333,182,736	26
8,495	33,837,404	40,439	4,476,141	16,176,933	141,135	28,253	1,399,094	19,198,520	27
4,828	28,148,960	42,082	3,821,554	17,407,519	154,025	26,746	1,341,800	19,926,075	28
23,185	34,875,643	48,027	3,186,773	18,197,518	176,721	30,168	1,692,055	30,964,619	29
65,523	34,793,543	49,259	2,613,142	20,271,203	188,069	43,366	1,504,214	32,552,773	30
113,456	33,857,445	51,162	1,907,939	18,466,323	192,936	41,568	1,359,702	30,639,919	31
161,929	33,216,465	48,680	1,495,852	20,964,202	209,727	42,118	2,390,368	35,309,776	32
125,674	31,267,580	47,317	1,407,809	15,795,714	244,931	41,685	2,606,580	36,433,162	33
116,598	40,566,787	45,589	1,428,900	20,666,636	291,641	36,297	3,059,196	37,867,371	34
148,598	40,788,803	43,537	1,833,745	19,026,072	303,983	43,658	2,367,022	30,147,466	35
114,439	40,632,503	48,586	2,554,787	18,495,529	342,557	45,437	2,042,044	37,251,611	36
95,123	33,707,511	47,532	3,347,444	19,737,320	341,627	47,814	1,636,109	30,307,731	37
71,339	26,306,840	37,143	4,306,905	19,700,077	408,681	29,849	1,379,567	29,538,546	38
1,047,187	411,999,484	549,353	32,380,991	224,905,046	2,996,033	458,957	22,977,751	370,337,589	39

MINERAL STATISTICS OF CANADA

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949 - Continued

No.		Asbestos	Cement	Clay Products	Coal	Copper	Feldspar	Gold
		ton	barrel	\$	ton	pound	ton	ounce
1938								
1	January	16,845	132,553	156,674	1,470,964	50,991,564	1,480	361,552
2	February	12,177	143,761	159,678	1,409,036	45,488,835	778	340,536
3	March	22,281	233,811	216,803	1,222,621	46,741,495	903	374,150
4	April	24,642	364,895	291,640	873,193	46,395,946	647	368,962
5	May	31,007	546,507	414,853	1,020,609	47,077,234	1,245	381,659
6	June	25,219	750,691	471,313	934,750	47,206,534	1,113	393,211
7	July	23,344	645,839	516,720	825,940	48,271,652	978	419,685
8	August	24,820	713,315	558,374	1,012,901	47,917,545	1,663	416,317
9	September	28,297	702,866	535,822	1,117,269	48,784,733	1,631	408,326
10	October	34,246	711,694	537,247	1,503,608	47,973,400	1,344	412,841
11	November	29,471	397,938	437,058	1,552,841	46,164,616	1,265	412,707
12	December	17,444	175,232	239,901	1,350,986	48,236,110	1,011	435,171
13	Total	289,793	5,519,102	4,536,084	14,294,718	571,249,664	14,058	4,725,117
1939								
14	January	18,803	115,479	182,221	1,206,312	47,322,406	756	410,803
15	February	21,250	118,550	145,473	1,306,555	40,344,963	898	391,040
16	March	22,708	208,682	217,805	1,187,069	51,117,138	645	413,483
17	April	23,950	273,842	280,486	923,044	48,975,346	604	406,445
18	May	29,450	550,634	471,157	1,146,747	54,518,386	797	431,660
19	June	28,223	727,504	569,741	1,117,018	54,686,819	960	436,538
20	July	28,706	735,643	563,483	1,109,752	50,299,976	914	439,925
21	August	35,930	841,345	606,325	1,285,424	54,143,578	609	449,474
22	September	38,171	851,802	612,945	1,385,438	50,795,948	1,180	422,392
23	October	44,677	680,902	607,671	1,798,634	51,047,527	1,424	433,086
24	November	40,618	421,373	538,543	1,740,879	52,879,230	1,861	424,987
25	December	31,986	205,508	355,386	1,485,826	52,694,253	1,652	434,546
26	Total	364,472	5,731,264	5,151,236	15,692,698	608,825,570	12,500	5,094,379
1940								
27	January	26,669	192,404	256,656	1,732,885	50,877,953	1,670	425,034
28	February	21,340	206,048	244,209	1,490,395	50,450,199	3,168	405,982
29	March	24,938	254,006	238,169	1,341,189	56,067,450	1,134	430,519
30	April	30,468	420,564	394,744	1,273,015	58,201,933	457	419,282
31	May	27,402	731,084	673,318	1,267,687	59,774,369	989	443,199
32	June	25,741	926,793	675,551	1,159,942	54,685,519	1,461	451,964
33	July	30,362	980,743	598,744	1,253,787	52,101,635	2,165	457,330
34	August	32,001	907,583	681,965	1,398,145	54,003,199	2,393	466,946
35	September	30,460	906,886	710,863	1,366,391	51,397,213	2,215	441,145
36	October	34,731	1,096,402	790,112	1,734,009	57,401,413	2,546	468,170
37	November	33,708	643,097	608,988	1,878,344	53,854,063	2,230	450,712
38	December	28,985	294,038	471,228	1,671,095	56,759,495	1,027	450,862
39	Total	346,805	7,559,648	6,344,547	17,566,884	655,593,441	21,455	5,311,145

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949—Continued

Gypsum ton	Lead pound	Lime ton	Natural Gas M cu. ft.	Nickel pound	Petroleum barrel	Salt ton	Silver ounce	Zinc pound	No.
6,202	37,522,125	33,617	4,065,837	20,300,362	457,506	23,614	1,560,480	35,222,906	1
5,587	26,786,559	33,390	4,047,765	16,031,964	413,244	24,188	1,431,785	29,025,024	2
6,926	35,176,663	39,915	3,205,357	17,323,728	480,901	26,631	1,720,575	33,515,602	3
49,334	35,406,758	40,294	2,953,524	20,499,436	464,418	41,668	1,564,820	33,724,256	4
109,923	32,408,798	42,943	2,143,742	18,648,174	566,473	40,045	1,564,644	35,163,472	5
157,490	37,867,582	41,184	1,730,328	16,351,077	538,936	42,860	2,822,886	31,549,136	6
136,907	38,724,783	40,247	1,595,755	17,429,616	701,813	34,425	2,585,989	28,367,785	7
143,370	39,826,892	42,372	1,771,808	16,573,105	825,546	37,387	2,135,715	29,591,363	8
118,550	35,680,581	41,563	1,932,791	16,939,700	892,732	42,396	1,684,921	29,415,685	9
95,561	38,556,376	47,792	2,523,472	16,125,357	688,825	48,584	1,765,787	29,188,430	10
96,921	30,304,916	45,561	3,381,961	17,707,875	445,640	49,972	1,705,601	34,810,834	11
82,028	30,605,627	38,044	4,092,451	16,642,344	489,423	28,275	1,675,992	31,932,095	12
1,008,799	418,927,660	486,922	33,444,791	210,572,738	6,965,452	440,045	22,219,195	381,506,588	13
18,362	32,403,451	37,175	4,094,275	14,634,960	532,377	24,425	1,557,243	30,448,971	14
5,271	26,544,881	33,537	4,090,521	17,524,035	357,646	21,158	1,301,958	25,215,069	15
12,777	32,677,693	37,921	3,701,907	17,930,870	384,703	24,851	1,646,105	26,554,661	16
61,199	30,931,880	39,308	3,132,401	18,473,848	558,540	34,122	1,488,777	29,235,860	17
115,963	32,109,687	44,359	2,109,257	21,630,749	712,890	38,979	1,838,503	29,517,999	18
137,233	33,054,640	45,683	2,092,327	20,136,823	820,092	38,747	2,922,335	36,668,270	19
159,004	32,040,684	43,501	1,743,656	19,680,209	897,838	34,264	2,779,592	52,976,445	20
190,488	34,170,913	47,112	1,877,960	20,156,053	794,666	37,041	2,371,669	39,622,617	21
195,344	32,676,474	48,750	2,085,564	20,309,091	719,799	40,804	2,011,049	29,813,486	22
196,309	35,554,025	57,654	2,804,070	18,878,984	815,049	50,379	1,709,869	29,798,795	23
185,036	34,434,729	60,904	3,461,149	18,951,965	730,126	49,166	1,723,127	29,407,266	24
138,948	31,970,493	56,305	3,992,059	17,798,278	502,575	30,564	1,813,402	35,274,421	25
1,421,934	388,569,550	552,209	35,183,146	226,105,865	7,826,301	424,500	23,163,629	394,533,860	26
62,285	34,476,312	50,766	5,304,963	20,329,948	476,111	30,640	1,740,160	29,748,490	27
55,013	33,643,930	46,630	4,730,094	21,707,396	644,849	29,047	1,779,185	31,002,242	28
36,991	40,423,137	52,828	4,302,194	21,313,354	559,394	28,507	1,880,203	32,654,426	29
49,590	41,178,337	56,025	3,626,598	19,333,762	624,132	35,705	1,863,196	31,121,812	30
125,771	42,414,521	61,076	2,667,783	20,946,555	665,993	46,862	2,101,975	32,638,570	31
197,185	41,629,573	59,449	2,107,452	18,817,658	646,602	40,979	3,255,795	36,280,941	32
171,070	38,022,005	59,959	2,077,515	20,765,184	866,968	41,383	2,149,194	48,190,455	33
179,147	39,243,277	70,385	2,023,099	21,492,542	858,155	40,665	1,885,462	41,849,422	34
179,593	40,657,149	58,542	2,222,858	21,053,740	831,256	38,105	1,889,382	34,693,548	35
175,941	40,185,698	70,085	2,983,839	18,958,024	807,100	48,111	1,761,991	35,635,925	36
125,886	40,317,674	66,468	4,336,269	19,328,369	882,701	48,688	1,798,263	34,511,020	37
90,316	39,658,643	64,517	4,849,461	21,511,339	727,717	35,822	1,728,946	35,702,011	38
1,448,788	471,850,256	716,730	41,232,125	245,557,871	8,590,978	464,714	23,833,752	424,028,862	39

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949 — Continued

No.		Asbestos	Cement	Clay Products	Coal	Copper	Feldspar	Gold
		ton	barrel	\$	ton	pound	ton	ounce
1941								
1	January	30,878	282,968	362,568	1,777,863	54,781,632	1,272	435,633
2	February	31,090	302,614	347,969	1,501,970	50,019,414	2,126	414,035
3	March	32,060	378,845	418,720	1,546,559	59,185,601	2,138	447,943
4	April	31,627	569,491	542,636	1,232,802	52,839,253	1,790	440,947
5	May	38,478	861,745	741,187	1,222,976	55,746,183	2,209	450,607
6	June	45,484	960,235	767,815	1,179,578	49,710,199	2,331	455,424
7	July	44,442	945,243	747,014	1,214,319	51,913,511	3,221	458,096
8	August	48,320	978,973	742,736	1,404,335	52,500,817	3,078	468,704
9	September	45,610	1,010,179	804,136	1,599,014	52,955,638	2,354	446,493
10	October	42,607	1,044,171	817,878	1,903,605	55,206,327	2,198	462,629
11	November	42,494	664,277	730,769	1,828,937	54,530,873	1,977	444,239
12	December	44,756	369,970	551,908	1,813,963	53,927,265	1,346	420,429
13	Total	477,846	8,368,711	7,575,336	18,225,921	643,316,713	26,040	5,345,179
1942								
14	January	31,215	282,862	389,659	1,919,264	51,722,951	1,528	409,134
15	February	32,346	298,799	331,571	1,712,029	48,970,425	1,438	378,844
16	March	36,692	399,201	508,237	1,610,242	55,972,810	1,527	442,962
17	April	32,589	618,742	513,308	1,523,885	52,071,710	1,503	424,396
18	May	37,859	788,344	614,627	1,316,863	51,910,320	1,857	428,798
19	June	39,053	1,074,710	714,324	1,386,453	50,541,392	2,078	427,982
20	July	39,375	1,245,588	750,039	1,497,197	49,302,824	2,038	428,323
21	August	42,020	1,230,065	740,162	1,468,448	50,904,328	1,996	406,315
22	September	37,055	1,092,781	666,901	1,469,691	49,789,764	1,938	380,703
23	October	40,416	1,144,153	751,842	1,574,871	48,716,916	2,130	385,111
24	November	38,456	621,749	648,017	1,646,387	47,198,844	2,191	365,755
25	December	32,383	329,047	453,036	1,739,700	46,559,542	2,048	362,983
26	Total	439,459	9,126,041	7,081,723	18,865,030	603,661,826	22,270	4,841,306
1943								
27	January	32,541	294,518	367,605	1,559,304	45,916,074	1,209	334,422
28	February	36,161	278,128	389,235	1,576,404	47,372,427	1,448	327,318
29	March	40,275	437,903	430,216	1,688,463	52,897,339	1,780	347,591
30	April	33,358	460,174	468,325	1,387,020	52,915,538	1,307	323,041
31	May	48,867	706,464	544,910	1,318,099	49,601,198	1,441	313,489
32	June	43,487	827,085	620,376	1,365,993	46,263,193	3,123	326,839
33	July	43,767	936,684	655,550	1,387,654	47,354,190	1,959	292,663
34	August	40,059	953,742	684,649	1,441,577	46,222,900	2,772	293,281
35	September	39,252	878,483	709,227	1,463,498	42,540,896	2,548	282,130
36	October	33,911	813,887	681,642	1,569,411	48,860,883	2,093	279,988
37	November	38,989	497,577	623,167	1,472,424	47,505,267	2,079	267,726
38	December	36,529	217,664	433,291	1,627,210	47,740,227	2,099	262,813
39	Total	467,196	7,302,289	6,608,193	17,859,057	575,190,132	23,858	3,651,301

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949 - Continued

Gypsum ton	Lead pound	Lime ton	Natural Gas M cu. ft.	Nickel pound	Petroleum barrel	Salt ton	Silver ounce	Zinc pound	No.
62,345	38,720,908	64,695	5,276,512	24,001,166	803,468	33,394	1,665,459	37,119,749	1
62,745	33,655,965	62,430	4,870,604	22,371,847	738,064	33,346	1,451,228	34,776,338	2
67,513	40,639,384	65,249	4,709,312	23,121,865	850,571	34,776	1,927,273	41,645,746	3
88,483	36,736,700	71,356	3,375,256	23,559,680	823,001	42,229	1,586,716	43,193,490	4
134,912	40,268,750	72,955	2,943,635	24,450,967	843,992	45,069	2,034,099	44,778,060	5
152,687	37,360,044	75,637	2,287,804	23,332,192	818,833	49,377	2,201,027	41,990,883	6
155,238	38,427,070	74,746	2,152,131	23,950,158	877,738	54,351	1,981,006	44,828,312	7
139,527	31,095,959	73,461	2,186,988	23,031,393	871,768	49,522	1,774,781	43,562,985	8
206,902	40,230,081	74,240	2,690,437	23,474,118	879,677	54,256	1,740,104	44,476,859	9
191,619	42,151,560	79,497	3,309,637	23,826,296	872,378	57,330	1,754,039	45,795,119	10
163,690	43,884,559	71,988	4,382,085	23,097,955	856,864	56,013	1,797,256	44,473,559	11
167,745	36,996,025	74,631	5,310,952	24,040,598	897,484	51,182	1,841,420	45,740,556	12
1,593,406	460,167,005	860,885	43,495,353	282,258,235	10,133,838	560,845	21,754,408	512,381,636	13
75,218	40,046,125	72,145	5,395,065	23,782,285	875,827	47,204	1,611,695	47,027,869	14
52,508	39,038,425	65,736	4,867,771	22,343,149	846,189	47,652	1,548,633	43,203,703	15
60,258	41,681,881	73,039	4,654,461	24,553,702	923,177	48,489	1,682,211	47,933,913	16
75,165	44,569,901	73,072	3,826,085	23,907,023	846,737	49,198	1,690,495	48,764,184	17
73,658	47,552,134	73,220	3,202,569	24,259,283	892,207	59,736	1,701,502	48,773,593	18
38,317	42,885,117	73,339	2,458,302	24,298,658	856,912	56,214	1,610,420	46,063,524	19
56,624	36,611,366	72,760	2,318,638	24,765,200	869,201	59,633	2,060,064	47,285,323	20
27,011	41,455,245	74,926	2,389,244	23,801,716	870,275	51,499	1,576,828	48,692,557	21
21,685	44,144,152	75,132	3,000,431	23,217,671	827,025	57,411	1,842,007	47,455,879	22
27,191	45,549,537	78,940	3,563,803	23,026,471	660,060	57,381	1,959,272	52,200,779	23
31,098	45,894,806	78,947	4,642,666	21,499,988	838,511	63,680	1,700,111	50,283,756	24
27,433	42,714,173	73,574	5,378,324	25,756,677	858,675	55,595	1,711,863	52,572,193	25
566,166	512,142,562	884,830	45,697,359	285,211,803	10,364,796	653,672	20,695,101	580,257,373	26
23,131	38,604,106	67,255	5,511,483	25,338,479	856,361	52,669	1,620,707	52,578,751	27
24,110	38,807,636	68,827	4,518,318	23,156,794	775,985	46,967	1,637,526	48,105,936	28
35,429	46,936,027	79,712	5,052,566	26,106,700	856,649	53,148	1,787,385	54,101,689	29
25,063	36,773,575	82,173	3,683,571	25,612,003	832,765	55,261	1,688,247	50,706,472	30
22,839	40,601,268	73,504	3,135,347	24,517,190	868,321	60,058	1,475,903	53,667,948	31
23,314	39,579,471	66,755	2,529,662	25,739,223	821,869	57,077	1,392,477	53,335,891	32
36,759	36,100,126	71,781	2,307,864	23,585,993	843,127	60,787	1,348,784	52,585,837	33
50,623	32,113,307	76,655	2,328,237	21,334,008	853,531	59,671	1,298,765	52,053,564	34
51,825	32,884,233	80,181	2,729,297	22,524,474	823,054	60,394	1,172,710	48,129,596	35
31,143	35,272,574	80,862	3,423,322	22,924,363	855,009	60,607	1,291,502	46,836,744	36
46,666	34,635,657	85,868	4,180,824	23,175,838	829,559	62,551	1,367,624	46,989,693	37
40,948	31,752,789	72,087	4,875,725	24,003,550	836,072	58,496	1,262,939	51,662,235	38
446,848	444,060,769	905,660	44,276,216	288,018,615	10,052,302	687,686	17,344,569	610,754,354	39

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949 — Continued

No.		Asbestos	Cement	Clay Products	Coal	Copper	Feldspar	Gold
		ton	barrel	\$	ton	pound	ton	ounce
1944								
1	January	31,987	176,133	375,256	1,626,068	48,877,850	1,580	258,607
2	February	32,663	201,622	333,525	1,454,614	45,836,837	2,766	257,613
3	March	36,675	272,971	393,411	1,546,446	48,203,812	2,316	267,485
4	April	33,839	393,811	411,640	1,236,200	44,989,445	1,279	245,577
5	May	35,644	738,585	621,655	1,290,481	47,578,287	1,131	257,647
6	June	35,495	994,410	681,358	1,233,251	47,082,930	2,259	240,673
7	July	31,259	982,191	740,908	1,168,859	44,975,986	1,806	236,362
8	August	37,036	943,459	759,123	1,379,044	44,743,580	1,832	237,617
9	September	38,137	860,024	745,672	1,391,475	43,106,124	2,177	237,151
10	October	37,752	878,238	766,608	1,528,291	42,039,927	2,355	230,749
11	November	36,076	559,448	721,703	1,638,628	43,811,150	1,849	223,806
12	December	32,702	189,969	446,366	1,533,142	45,824,190	2,159	228,624
13	Total	419,265	7,190,851	6,997,425	17,026,499	547,070,118	23,509	2,922,911
1945								
14	January	31,653	171,662	438,003	1,691,066	44,098,887	1,205	237,210
15	February	37,760	194,002	427,903	1,504,759	39,649,050	1,921	215,993
16	March	50,443	380,911	587,761	1,469,398	45,638,927	2,321	232,610
17	April	43,310	614,682	614,626	1,321,063	42,660,662	2,011	227,575
18	May	41,757	761,627	731,543	1,201,274	40,903,706	2,161	221,382
19	June	39,465	1,039,113	792,324	1,277,640	44,097,021	3,628	215,802
20	July	37,553	1,157,852	831,472	1,092,203	42,119,787	2,198	213,815
21	August	41,054	1,046,418	874,109	1,199,078	39,228,972	3,090	215,386
22	September	38,910	1,005,830	890,015	1,187,429	34,797,140	2,654	215,157
23	October	35,666	1,101,474	1,022,786	1,217,034	34,953,070	2,342	233,487
24	November	36,593	692,661	971,977	1,790,504	32,035,764	3,645	224,542
25	December	32,733	305,447	730,573	1,555,065	34,711,066	3,070	243,862
26	Total	466,897	8,471,679	8,913,092	16,506,713	474,914,052	30,246	2,696,727
1946								
27	January	36,576	310,353	790,326	1,808,189	31,468,143	1,932	238,502
28	February	29,666	273,207	692,637	1,640,962	27,119,084	2,234	229,488
29	March	36,369	603,432	606,743	1,588,548	31,699,806	2,098	248,308
30	April	47,685	1,001,744	865,765	1,360,228	31,449,422	2,572	238,604
31	May	52,927	1,535,007	1,041,655	1,396,121	30,567,959	2,780	240,702
32	June	47,437	1,458,684	1,054,141	1,259,390	29,983,686	3,534	234,503
33	July	45,814	1,351,522	1,260,760	1,154,809	30,583,060	2,535	239,583
34	August	53,783	1,230,373	1,218,617	1,392,811	29,536,366	3,176	231,151
35	September	51,182	1,143,166	1,147,656	1,429,905	28,450,698	3,230	229,966
36	October	55,769	1,191,055	1,270,454	1,627,186	30,092,716	2,841	241,003
37	November	52,400	930,264	1,163,406	1,579,901	34,942,710	3,633	231,305
38	December	48,573	531,676	895,207	1,573,697	31,843,223	4,678	229,439
39	Total	558,181	11,560,483	12,207,367	17,811,747	367,936,875	35,243	2,832,554

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949—Continued

Gypsum	Lead	Lime	Natural Gas	Nickel	Petroleum	Salt	Silver	Zinc	No.
ton	pound	ton	M cu. ft.	pound	barrel	ton	ounce	pound	
44,157	32,857,666	74,063	5,155,411	23,546,809	831,512	58,008	1,212,349	49,438,642	1
44,704	29,887,544	75,295	5,052,082	22,383,335	788,257	54,300	1,280,962	46,551,662	2
49,168	24,373,016	78,485	4,981,513	25,290,263	871,446	60,249	1,375,351	47,918,693	3
38,839	25,383,726	74,638	4,043,182	23,161,864	838,010	58,884	1,237,170	45,119,487	4
41,547	20,583,341	76,432	3,104,618	24,024,759	852,335	63,598	1,035,847	47,499,582	5
37,177	19,832,745	73,869	2,677,868	20,374,755	818,678	60,447	1,167,200	41,373,262	6
66,660	24,633,240	67,957	2,424,789	23,411,947	806,342	59,274	1,077,974	42,536,604	7
80,437	18,401,675	70,837	2,393,762	23,848,093	827,603	59,156	835,166	44,843,903	8
57,804	18,993,630	71,269	2,634,712	22,710,286	852,263	56,723	910,838	46,955,939	9
50,047	18,452,002	79,981	3,053,695	21,819,119	878,082	56,793	1,060,784	43,098,175	10
39,965	35,836,191	75,336	4,398,092	22,259,195	855,752	58,482	1,199,153	44,718,272	11
35,659	35,347,422	66,980	5,147,434	21,768,204	879,124	49,303	1,234,315	50,769,132	12
596,164	304,582,198	885,142	45,067,158	274,598,629	10,099,404	695,217	13,627,109	550,823,353	13
12,936	25,426,948	62,713	5,282,719	23,667,393	872,930	48,676	1,032,679	49,348,491	14
11,901	24,389,248	60,420	4,644,185	20,635,189	770,975	47,469	964,449	44,378,782	15
16,508	34,899,827	70,031	4,185,445	23,412,858	771,674	52,973	1,214,945	47,545,212	16
24,776	27,955,975	70,759	3,987,482	21,567,624	685,903	57,422	1,067,862	43,247,386	17
33,759	25,359,183	70,218	3,619,680	23,382,373	708,633	62,533	1,213,710	45,282,856	18
103,749	24,982,494	69,928	3,154,361	22,546,414	666,103	63,475	1,113,656	43,330,713	19
82,479	25,309,517	68,305	3,050,953	23,790,534	689,698	60,526	963,561	45,053,498	20
99,012	27,911,967	66,407	3,059,726	21,896,415	678,123	59,654	1,069,038	41,388,606	21
132,380	28,951,516	65,982	3,378,445	16,434,819	650,612	56,966	975,250	38,336,609	22
150,756	32,572,398	72,597	3,963,196	17,170,277	675,918	54,475	1,049,562	38,736,083	23
110,025	34,873,826	86,524	4,841,314	15,416,996	652,081	56,079	1,110,380	40,480,003	24
50,500	34,361,573	68,369	5,244,079	15,210,091	660,146	52,828	1,167,814	40,085,365	25
839,781	346,994,472	832,253	48,411,585	245,130,983	8,482,796	673,076	12,942,906	517,213,604	26
18,898	33,737,548	72,044	5,164,209	14,002,307	678,418	53,890	1,172,602	41,398,931	27
31,942	30,180,511	64,844	4,790,054	12,611,580	608,580	50,313	1,013,668	39,464,884	28
34,446	30,983,044	72,818	4,236,895	15,880,314	661,675	56,576	1,028,797	42,612,319	29
110,311	30,563,605	72,248	3,700,580	18,719,206	642,626	59,766	1,135,744	41,260,879	30
142,589	29,757,570	75,793	3,494,275	14,924,792	648,065	62,651	1,011,263	40,576,485	31
150,195	30,626,614	74,400	3,151,566	15,385,761	620,188	59,458	1,142,305	38,946,545	32
201,414	31,351,404	63,539	2,915,218	16,451,200	632,014	30,477	1,233,310	39,233,386	33
243,279	29,801,469	61,047	2,994,858	15,637,241	621,538	17,068	1,155,447	38,848,356	34
248,143	28,759,323	58,049	3,258,015	16,167,710	623,200	20,229	929,005	38,254,560	35
270,937	29,455,735	74,245	3,996,106	17,441,984	637,428	27,403	906,467	36,535,523	36
242,123	22,458,713	76,767	4,846,530	17,694,162	618,093	43,964	820,218	36,714,909	37
106,660	26,298,240	75,005	5,352,178	17,208,280	592,830	56,190	995,274	36,773,583	38
1,810,937	353,973,776	840,799	47,900,484	192,124,537	7,585,555	537,985	12,544,100	470,620,360	39

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949 — Concluded

No.		Asbestos	Cement	Clay Products	Coal	Copper	Feldspar	Gold
		ton	barrel	\$	ton	pound	ton	ounce
1947								
1	January	44,058	403,300	894,908	1,700,463	28,720,875	2,031	234,194
2	February	42,207	421,647	907,544	1,136,012	30,077,973	3,403	223,071
3	March	57,157	809,841	1,043,577	976,932	42,647,385	2,711	263,933
4	April	60,517	1,060,391	1,036,454	850,887	39,710,619	2,675	254,951
5	May	60,036	1,291,869	1,273,339	859,587	41,133,146	2,626	268,975
6	June	50,102	1,276,799	1,251,331	1,125,217	38,561,282	4,048	269,163
7	July	53,434	1,249,686	1,390,210	1,204,971	39,216,433	2,592	261,461
8	August	53,361	1,173,570	1,298,070	1,216,841	35,855,487	2,907	260,954
9	September	58,356	1,235,905	1,382,099	1,546,111	34,955,728	3,298	247,703
10	October	59,461	1,309,748	1,465,894	1,734,598	45,059,049	3,584	258,828
11	November	65,754	1,071,626	1,350,206	1,748,672	37,861,177	3,183	252,235
12	December	57,378	631,863	1,192,557	1,768,575	37,923,939	3,046	274,753
13	Total	661,821	11,936,245	14,486,189	15,868,866	451,723,093	36,104	3,070,221
1948								
14	January	46,633	500,317	1,004,675	1,396,363	40,690,078	3,890	273,415
15	February	50,127	647,179	971,476	1,155,109	38,033,072	4,594	261,650
16	March	62,524	1,072,489	1,174,636	1,658,699	41,947,254	4,230	287,760
17	April	61,590	1,268,018	1,307,584	1,605,266	41,620,430	2,610	286,124
18	May	60,681	1,413,959	1,415,034	1,362,393	41,280,584	3,829	288,474
19	June	53,975	1,455,273	1,658,445	1,404,189	40,793,623	5,705	290,102
20	July	56,481	1,420,151	1,661,710	1,361,736	38,824,142	4,165	296,247
21	August	64,185	1,434,896	1,594,360	1,383,728	36,254,784	4,611	305,452
22	September	68,424	1,481,347	1,773,388	1,578,467	39,177,650	5,998	294,963
23	October	66,264	1,377,554	1,777,628	1,811,537	40,712,831	5,091	306,989
24	November	67,426	1,311,432	1,784,786	1,892,580	40,467,115	4,900	311,399
25	December	58,459	744,508	1,505,326	1,839,622	41,662,403	5,228	327,033
26	Total	716,769	14,127,123	17,629,048	18,449,689	481,463,966	54,851	3,529,608
		Asbestos	Cement	Clay Products	Coal	Copper	Gold	Gypsum
		ton	barrel	\$	ton	ton	ounce	ton
1949								
27	January	48,872	622,621	1,289,898	1,856,141	41,685,168	310,981	152,998
28	February	26,148	910,064	1,182,116	1,688,433	43,156,293	308,724	128,567
29	March	11,770	1,403,336	1,354,934	1,685,130	43,872,003	343,877	107,273
30	April	16,002	1,536,897	1,251,646	1,228,782	45,175,710	327,828	164,934
31	May	22,713	1,471,029	1,533,827	1,341,549	43,382,915	333,126	269,187
32	June	29,117	1,626,434	1,670,583	1,326,988	40,589,190	344,275	272,483
33	July	64,735	1,521,147	1,557,179	1,131,342	42,987,651	327,235	370,133
34	August	72,114	1,652,945	1,749,234	1,278,136	45,612,657	359,931	356,182
35	September	71,963	1,559,238	1,737,812	1,747,084	44,302,193	364,689	380,463
36	October	72,157	1,465,952	1,721,831	1,929,796	44,621,788	366,880	387,993
37	November	77,354	1,382,718	1,581,275	2,091,769	44,164,496	362,972	250,200
38	December	61,961	764,183	1,351,374	1,814,896	47,363,568	373,200	173,836
39	Total	574,906	15,916,564	17,981,709	19,120,046	526,913,632	4,123,518	3,014,249

TABLE 18. Production of Leading Mineral Products, by Months, 1929-1949 - Concluded

Gypsum	Lead	Lime	Natural Gas	Nickel	Petroleum	Salt	Silver	Zinc	No.
ton	pound	ton	M cu. ft.	pound	barrel	ton	ounce	pound	
92,020	25,566,439	75,256	5,717,089	19,531,289	597,572	60,456	833,473	34,060,000	1
78,887	25,686,854	68,561	5,672,319	17,217,905	534,510	56,947	973,183	31,113,027	2
102,089	29,324,552	77,763	5,237,009	20,114,908	602,228	58,040	1,137,858	32,956,716	3
86,491	26,275,567	82,854	4,140,818	20,129,488	602,129	62,867	924,469	35,302,093	4
154,877	26,094,389	85,201	3,814,674	19,855,079	635,478	64,346	1,010,138	34,915,058	5
265,429	29,167,426	80,587	3,231,023	19,754,029	616,705	64,525	1,178,225	34,789,814	6
321,286	28,565,302	81,854	3,018,217	19,663,104	632,292	65,316	1,116,915	35,024,285	7
327,882	27,671,759	81,806	3,158,566	19,921,655	646,522	62,689	1,153,447	32,462,208	8
400,212	26,959,156	79,959	3,470,736	15,219,409	652,480	56,223	1,003,552	34,799,920	9
261,109	25,994,963	89,206	4,071,105	23,071,982	714,314	61,286	1,136,959	36,157,981	10
237,634	29,784,245	87,566	5,260,958	19,827,464	732,142	63,378	1,035,684	36,400,176	11
169,068	22,246,035	86,800	5,864,053	22,945,184	769,297	52,472	1,000,115	37,744,548	12
2,496,984	323,336,687	977,413	52,656,567	237,251,496	7,735,669	728,545	12,504,018	415,725,826	13
141,562	22,534,626	77,645	6,081,198	21,658,146	777,639	53,282	1,059,502	33,956,681	14
40,915	26,400,131	76,274	6,505,333	19,464,157	779,893	53,434	1,145,020	34,669,617	15
82,875	25,403,629	89,520	6,064,042	21,026,576	816,504	53,792	1,215,564	36,787,838	16
226,976	26,153,546	89,690	5,089,540	26,523,329	796,927	57,166	1,204,934	38,660,164	17
275,161	25,949,422	88,505	3,912,649	22,820,237	917,429	61,090	1,186,090	40,515,254	18
356,490	22,633,503	85,478	3,309,743	20,867,468	1,038,563	63,844	1,320,440	37,656,531	19
476,320	29,139,603	84,727	3,326,215	20,898,980	1,179,613	67,898	1,970,853	43,091,531	20
387,120	33,807,642	86,184	3,404,976	18,097,902	1,244,602	65,371	1,678,115	41,019,818	21
347,081	30,677,253	88,851	3,652,010	19,781,364	1,100,778	63,968	1,360,157	39,530,888	22
415,110	32,097,545	98,455	4,657,448	20,644,134	1,206,738	68,817	1,527,350	44,187,999	23
292,209	32,061,284	97,057	5,491,314	25,510,182	1,264,533	69,577	1,235,792	41,915,918	24
174,990	27,643,733	91,198	7,108,801	26,186,688	1,247,654	63,022	1,206,165	36,334,797	25
3,216,809	334,501,917	1,053,584	58,603,269	263,479,163	12,370,873	741,261	16,109,982	468,327,036	26
Iron Ore	Lead	Lime	Natural Gas	Nickel	Petroleum	Salt	Silver	Zinc	
ton	pound	ton	M cu. ft.	pound	barrel	ton	ounce	pound	
2,457	21,496,408	84,869	7,705,565	22,558,558	1,355,519	61,041	990,835	43,528,654	27
559	21,158,059	74,918	6,951,069	21,920,914	1,440,181	55,640	983,619	39,692,332	28
-	19,552,591	86,421	5,749,745	25,434,591	1,746,062	50,794	1,317,934	46,647,844	29
101,288	22,444,966	87,324	4,225,577	22,292,845	1,840,193	53,398	1,264,655	34,301,227	30
254,496	35,721,965	89,048	3,877,846	22,521,641	1,714,533	60,430	1,521,789	49,264,265	31
523,284	28,318,949	88,897	3,485,920	21,349,732	1,700,804	65,983	2,231,099	54,525,956	32
706,792	22,010,972	82,843	3,328,737	19,346,513	1,775,084	65,133	1,761,798	56,690,080	33
668,581	25,321,660	79,907	3,361,406	20,027,289	1,969,615	64,660	1,213,992	51,474,542	34
470,723	25,520,282	84,156	3,724,535	19,231,188	2,167,332	72,171	1,161,567	45,411,639	35
448,529	26,556,442	90,344	5,035,311	21,654,727	2,058,419	68,563	1,923,039	51,230,397	36
335,991	26,937,596	86,482	4,968,542	19,499,864	1,914,580	70,123	1,526,528	49,452,656	37
162,396	44,509,955	83,614	8,042,924	21,541,354	1,782,000	61,079	1,744,638	54,304,305	38
3,675,096	319,549,865	1,018,823	60,457,177	257,379,216	21,464,322	749,013	17,641,493	576,524,097	39

MINERAL STATISTICS OF CANADA

TABLE 19. Principal Statistics of the Mineral Industry, by Industries, 1945-1949

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 ¹	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														
1945.....	38	38	234	692,683	1,626,753	80,748	1,546,005							
1946.....	39	39	340	1,112,984	1,849,511	155,943	1,693,568							
1947.....	46	46	458	1,684,449	1,873,165	238,079	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							
AURIFEROUS QUARTZ MINES														
1945.....	712	716	18,388	37,690,177	85,819,315	18,242,253	67,577,062							
1946.....	684	686	21,973	47,211,062	88,422,683	22,080,531	66,342,152							
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							
COPPER-GOLD-SILVER MINES														
1945.....	38	41	4,658	9,663,612	59,299,872	21,134,603	38,165,269							
1946.....	41	43	4,958	10,243,487	54,304,549	16,870,567	37,433,982							
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							
SILVER-COBALT MINES														
1945.....	7	8	166	247,203	152,475	69,967	82,508							
1946.....	11	11	247	404,012	325,846	118,363	207,483							
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							
SILVER-LEAD-ZINC MINES														
1945.....	20	20	2,465	5,473,582	27,101,464	4,234,261	22,867,203							
1946.....	33	31	2,451	5,987,111	48,342,501	9,079,895	39,262,606							
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							
NICKEL-COPPER MINES														
1945.....	4	8	5,997	13,008,156	53,395,395	7,790,226	45,605,169							
1946.....	5	9	4,439	10,166,680	40,293,220	5,332,956	34,960,264							
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							
MISCELLANEOUS METAL MINES														
1945.....	24	23	985	2,041,349	4,276,130	2,519,571	1,756,559							
1946.....	21	21	1,037	2,338,442	7,187,445	3,479,336	3,708,109							
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	4,100,567	4,624,994							
1949.....	21	21	3,275	8,894,642	21,466,327	5,776,330	15,689,997							
Total Metal Mining														
1945.....	843	854	32,913	68,816,762	231,671,404	54,071,629	177,599,775							
1946.....	834	840	35,445	77,463,778	240,725,755	57,117,591	183,608,164							
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							

Note. The number of producing metal mines was as follows: in 1945 - 183; in 1946 - 178; in 1947 - 221; in 1948 - 248; in 1949 - 265.

1. See footnote at end of table.

TABLE 19. Principal Statistics of the Mineral Industry, by Industries, 1945-1949 - 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 ¹	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														
1945	9	17	16,771	33,853,120	355,676,526	265,777,648	89,898,878							
1946	9	15	14,546	30,648,361	304,718,524	235,152,602	69,565,922							
1947	9	16	17,449	40,767,871	453,033,942	337,235,290	115,798,652							
1948	9	17	19,701	52,276,837	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							
Total Metals														
1945	852	871	49,684	102,669,882	See note	319,849,277	267,498,653							
1946	843	855	49,991	108,112,139	at end	292,270,193	253,174,086							
1947	710	728	56,783	137,535,631		413,106,345	351,372,427							
1948	501	525	61,591	167,520,734		513,671,025	457,072,688							
1949	489	513	65,331	187,408,294	of table	528,551,507	485,265,607							
(b) Fuels Industries														
COAL														
1945	324	373	25,301	49,431,965	64,247,246	11,604,450	52,642,796							
1946	315	365	25,487	51,343,975	72,244,134	12,637,105	59,607,029							
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							
NATURAL GAS														
1945	218	3,748	1,890	2,993,091	10,860,594	245,812	10,614,782							
1946	219	3,825	1,655	2,491,361	10,588,175	248,437	10,339,738							
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							
PETROLEUM														
1945	229	2,222	1,968	3,898,662	14,121,921	866,059	13,255,862							
1946	240	2,314	1,563	3,260,571	14,725,139	1,024,016	13,701,033							
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							
Total Fuels														
1945	771	6,343	29,159	56,323,718	89,229,761	12,716,321	76,513,440							
1946	774	6,504	28,705	57,095,907	97,557,448	13,909,648	83,647,800							
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							
(c) Non-Metal Mining Industries														
ASBESTOS														
1945	11	12	4,237	6,679,885	24,092,799	4,235,725	19,857,074							
1946	11	12	4,547	7,771,921	25,245,579	4,975,892	20,269,687							
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							
FELDSPAR, QUARTZ AND NEPHELINE SYENITE														
1945	31	31	483	767,517	2,093,880	467,290	1,626,590							
1946	34	36	517	876,034	2,168,673	440,701	1,727,972							
1947	38	39	593	1,134,107	2,641,857	719,986	1,921,871							
1948	36	36	562	1,184,257	3,265,065	666,906	2,598,159							
1949	31	31	442	946,268	2,650,035	465,253	2,184,782							

1. See footnote at end of table.

MINERAL STATISTICS OF CANADA

TABLE 19. Principal Statistics of the Mineral Industry, by Industries, 1945-1949 - 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 ¹	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 -- Continued							
GYPSUM							
1945	7	13	434	647,287	1,783,290	575,645	1,207,645
1946	8	14	753	1,246,673	3,696,727	806,571	2,890,156
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
IRON OXIDES (OCHRE)							
1945	5	5	51	58,011	172,053	35,401	136,652
1946	5	5	60	77,727	152,268	36,017	116,251
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
MICA							
1945	40	40	174	190,138	233,270	50,492	182,778
1946	27	27	129	153,616	199,039	38,086	160,953
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
PEAT							
1945	37	37	1,233	1,304,249	2,390,306	516,104	1,874,202
1946	41	41	1,391	1,562,689	2,920,812	671,161	2,249,651
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
SALT							
1945	9	9	724	1,329,384	4,864,697	1,623,241	3,241,456
1946	9	9	713	918,566	4,480,839	1,590,416	2,890,423
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
TALC AND SOAPSTONE							
1945	5	5	103	134,782	294,888	79,582	215,306
1946	5	5	87	117,551	303,684	63,568	240,116
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
MISCELLANEOUS NON-METAL MINES							
1945	50	51	879	1,601,068	4,415,718	1,378,366	3,037,352
1946	42	43	911	1,582,846	4,248,107	1,389,098	2,859,009
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
Total Non-Metal Mining Industries							
1945	196	203	8,318	12,712,321	40,340,901	8,961,846	31,379,055
1946	182	192	9,108	14,307,623	43,415,728	10,011,510	33,404,218
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

TABLE 19. Principal Statistics of the Mineral Industry, by Industries, 1945-1949 — 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	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													
1945	100	106	2,688	3,828,206	8,913,092	1,974,683	6,938,409						
1946	110	119	3,437	5,115,962	12,207,367	2,643,677	9,563,690						
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						
CEMENT													
1945	3	8	1,317	2,398,117	15,422,031	6,005,605	9,416,426						
1946	3	8	1,524	2,929,020	21,724,021	8,793,963	12,930,058						
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						
LIME													
1945	39	44	856	1,473,829	6,732,348	2,068,489	4,663,859						
1946	37	41	918	1,616,839	7,322,168	2,412,041	4,910,127						
1947	37	42	1,038	2,052,801	8,850,023	3,086,779	5,763,244						
1948	37	42	1,121	2,458,299	11,074,871	3,790,233	7,284,635						
1949	38	42	1,060	2,485,601	11,796,002	3,572,730	8,223,272						
SAND AND GRAVEL													
1945	1,524	5,011	2,074	2,759,206	10,568,363	416,390	10,151,973						
1946	1,589	5,252	2,793	3,600,797	15,529,700	579,489	14,950,211						
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						
STONE													
1945	361	429	2,154	3,114,647	8,166,700	1,451,715	6,714,985						
1946	411	486	2,720	3,970,404	11,185,711	1,691,598	9,494,113						
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						
Total Clay Products and Other Structural Materials													
1945	2,027	5,598	9,089	13,574,005	49,802,534	11,916,882	37,885,652						
1946	2,150	5,906	11,392	17,233,022	67,968,967	16,120,768	51,848,199						
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	116,552,477	26,365,294	90,187,183						
GRAND TOTAL OF ALL INDUSTRIES													
1945	3,845	13,015	96,250	185,279,926	See note	353,444,326	413,276,800						
1946	3,949	13,457	99,196	196,748,691		332,312,119	422,074,303						
1947	3,818	13,495	104,519	229,560,604	below	458,333,786	552,309,949						
1948	3,746	14,315	112,855	282,001,582		571,736,719	727,950,430						
1949	3,827	15,808	116,507	309,647,178		584,083,511	800,217,336						

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. (See "Explanatory Notes" on page 46).

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 1945 — \$411,044,600; in 1946 — \$449,667,898; in 1947 — \$557,609,793; in 1948 — \$723,323,182; in 1949 — \$785,112,712.

MINERAL STATISTICS OF CANADA

TABLE 20. Principal Statistics of the Mineral Industry, by Province, 1945-1949

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 ¹	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	7,056,847	17,471,590
NOVA SCOTIA					
1945	656	14,091	26,707,708	7,265,785	23,684,321
1946	660	14,560	27,572,966	7,912,532	26,425,106
1947	647	11,716	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
NEW BRUNSWICK					
1945	427	1,525	2,200,188	480,155	3,636,205
1946	433	1,600	2,363,247	602,186	4,236,861
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
QUEBEC					
1945	3,441	22,374	39,674,306	119,179,856	106,701,600
1946	3,492	22,799	41,793,277	103,398,023	97,020,447
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
ONTARIO					
1945	6,379	30,634	61,414,603	153,297,060	155,367,764
1946	6,488	31,244	63,895,634	120,018,172	147,605,421
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
MANITOBA					
1945	156	1,763	3,460,480	11,294,429	10,794,127
1946	178	2,242	4,446,790	11,719,343	12,480,188
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
SASKATCHEWAN					
1945	198	2,457	5,020,119	20,969,841	19,382,105
1946	241	2,957	5,672,652	23,062,280	22,743,522
1947	314	2,831	6,856,253	29,844,989	29,577,508
1948	178	2,881	8,007,116	31,422,833	44,998,172
1949	451	3,079	9,404,837	33,732,987	33,809,447

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 20. Principal Statistics of the Mineral Industry, by Provinces, 1945-1949 - 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 ¹	Net value of bullion, ore, concentrates, residues and other minerals shipped from the mines, smelters, brick and cement plants and quarries
			\$	\$	\$
ALBERTA					
1945.....	935	11,438	22,867,506	4,991,551	44,421,660
1946.....	1,022	11,476	23,641,650	5,880,366	50,981,943
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
BRITISH COLUMBIA					
1945.....	697	11,450	22,520,369	35,678,748	47,859,524
1946.....	836	11,562	25,109,066	59,197,865	58,629,880
1947.....	825	13,546	31,631,916	94,119,191	97,781,055
1948.....	1,055	14,384	38,033,557	121,198,606	129,984,244
1949.....	1,136	14,632	40,465,801	114,840,330	108,944,255
NORTHWEST TERRITORIES					
1945.....	120	345	825,572	218,150	252,227 ²
1946.....	104	510	1,346,718	415,456	582,600 ²
1947.....	97	836	2,468,094	825,809	1,874,341 ²
1948.....	78	826	2,721,296	1,177,924	3,065,192 ²
1949.....	76	826	2,694,496	1,208,929	5,582,240 ²
YUKON					
1945.....	7	173	589,075	68,751	1,177,267
1946.....	3	246	906,691	105,896	1,368,335
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	3,572,893
Canada					
1945.....	13,016	96,250	185,279,926	353,444,326	413,276,800
1946.....	13,457	99,196	196,748,691	332,312,119	422,074,303
1947.....	13,495	104,519	229,560,604	458,333,786	532,309,949
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

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.

1. Includes fuel and electricity used for metallurgical purposes.

2. Data on pitchblende not included.

MINERAL STATISTICS OF CANADA

TABLE 21. Employees, Salaries and Wages, in the Mineral Industry, by Industries, 1949

Industry	Average number of employees						Salaries and wages		
	Office and administrative		Workmen		Total ¹	Office and administrative	Workmen	Total	
	Male	Female	Male	Female					
METAL MINING:									
Alluvial gold	18	1	370	9	398	73,331	1,436,092	1,509,423	
Auriferous quartz	1,921	204	20,111	122	22,358	7,680,158	53,613,176	61,293,334	
Copper-gold-silver	720	141	6,446	88	7,395	3,159,303	18,616,847	21,776,150	
Silver-cobalt	28	2	231	3	264	87,598	520,184	607,782	
Silver-lead-zinc	616	44	4,704	74	5,438	2,473,762	13,202,281	15,676,043	
Nickel-copper	524	29	6,497	3	7,053	2,483,133	20,034,722	22,517,855	
Miscellaneous metal	154	18	3,064	39	3,275	603,313	8,291,329	8,894,642	
Non-ferrous smelting and refining	2,271	502	16,321	58	19,150	9,870,736	45,262,329	55,133,065	
FUELS:									
Coal	2,053	100	22,065	12	24,230	5,916,959	55,287,673	61,204,632	
Natural gas	307	191	1,708	17	2,223	1,100,880	3,612,386	4,713,266	
Petroleum	201	29	1,907	5	2,142	811,501	5,493,100	6,304,601	
NON-METALLICS:									
Asbestos	535	89	3,403	26	4,053	1,892,068	8,677,003	10,569,071	
Feldspar and quartz	44	4	391	3	442	152,980	793,288	946,268	
Gypsum	38	8	877	2	925	136,862	2,089,841	2,226,703	
Iron oxides	5	2	36	1	44	12,301	60,810	73,111	
Mica	4	2	75	15	96	12,163	103,504	115,667	
Peat	70	25	966	68	1,129	179,392	1,330,713	1,510,105	
Salt	101	29	522	46	698	373,376	1,191,834	1,565,210	
Talc and soapstone	6	1	52	—	59	27,559	78,177	105,736	
Miscellaneous	120	24	1,012	4	1,160	388,797	2,244,011	2,632,808	
STRUCTURAL MATERIALS:									
Cement	103	9	1,602	7	1,721	356,287	4,398,324	4,754,611	
Clay products	183	32	3,295	93	3,603	688,023	7,236,818	7,924,841	
Lime	73	10	973	4	1,060	220,519	2,265,082	2,485,601	
Sand and gravel	151	31	3,689	12	3,863	452,879	7,038,202	7,491,081	
Stone	229	32	3,464	3	3,728	592,996	7,022,576	7,615,572	
Total	10,475	1,559	103,761	712	116,507	39,746,876	269,900,302	309,647,178	

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

TABLE 22. Employees, Salaries and Wages, in Mineral Industry, by Provinces, 1949

Province	Average number of employees						Salaries and wages		
	Office and administrative		Workmen		Total	Office and administrative	Workmen	Total	
	Male	Female	Male	Female					
Newfoundland									
Newfoundland	128	16	3,628	35	3,807	456,447	8,469,703	8,926,150	
Nova Scotia	1,036	50	12,463	8	13,557	3,042,361	29,685,403	32,727,764	
New Brunswick	89	9	1,625	22	1,745	259,148	3,051,072	3,310,220	
Quebec	2,599	415	23,337	120	26,471	9,196,310	57,437,537	66,633,847	
Ontario	3,259	572	32,974	175	36,980	13,850,557	89,833,622	103,684,179	
Manitoba	229	33	2,335	51	2,648	985,110	6,572,942	7,558,052	
Saskatchewan	386	90	2,592	11	3,079	1,513,406	7,891,431	9,404,837	
Alberta	1,099	118	10,956	87	12,260	3,541,628	28,639,142	32,180,770	
British Columbia	1,516	244	12,687	185	14,632	6,257,122	34,208,679	40,465,801	
Northwest Territories	96	12	704	14	826	478,701	2,215,795	2,694,496	
Yukon	38	—	460	4	502	168,086	1,894,976	2,061,062	
Canada	10,475	1,559	103,761	712	116,507	39,746,876	269,900,302	309,647,178	

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TABLE 23. Employees and Salaries and Wages Paid in Canadian Mining Industry, 1935 - 1949

Year	Newfoundland		Nova Scotia		New Brunswick		Quebec		Ontario		Manitoba	
	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$
1935	—	—	14,550	14,301,510	2,390	1,865,407	11,811	12,794,600	25,264	38,152,140	2,346	3,403,649
1936	—	—	15,368	15,980,687	1,744	1,248,431	14,225	15,774,362	31,105	46,899,805	2,932	3,752,367
1937	—	—	15,629	18,373,958	3,012	1,509,063	19,121	22,708,131	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	40,496	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
Year	Saskatchewan		Alberta		British Columbia		Northwest Territories		Yukon		Canada	
	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$
1935	1,457	1,343,041	9,706	10,862,198	12,352	16,479,606	47	69,341	333	609,067	80,256	100,080,559
1936	1,626	1,937,825	10,376	11,850,463	12,827	17,908,553	28	40,812	566	1,372,917	90,999	116,766,222
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	680,414	617	1,518,747	108,886	164,489,686
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	4,481,181	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	1,798,896	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	25,109,066	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	546	2,085,089	104,519	229,560,604
1948	2,881	8,007,116	11,951	29,085,041	14,384	38,033,557	826	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

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TABLE 24. Wage-earners on Surface, Underground and in Mill, 1949

Province	Metal Mines			Fuels		Other ¹		
	Surface	Under-ground	Mill ²	Surface	Under-ground	Surface	Under-ground	Mill
Newfoundland.....	1,146	1,645	54	—	—	629	138	51
Nova Scotia.....	3	—	1	1,660	9,136	1,214	—	457
New Brunswick	—	—	—	411	545	498	9	184
Quebec	2,288	5,229	6,853	—	—	4,388	723	3,976
Ontario	5,902	13,373	8,082	1,083	—	2,407	168	2,134
Manitoba	690	746	138	—	—	442	27	343
Saskatchewan	604	712	473	363	22	163	—	266
Alberta.....	—	—	—	5,020	5,253	194	—	576
British Columbia.....	1,644	2,987	4,417	594	1,596	1,116	15	503
Northwest Territories ³	291	321	85	21	—	—	—	—
Yukon	80	67	307	4	6	—	—	—
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
Total 1945	9,873	15,750	17,073	7,115	18,509	8,210	694	6,745

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

2. Includes non-ferrous smelters and refineries.

3. Exclusive of data on mining of pitchblende ores.

TABLE 25. Administration and Office Employees at Places in Canada, Except at Mine or Plant, 1949

Plant Location	Average number of employees			Salaries and Wages
	Male	Female	Total	
Newfoundland	83	10	93	251,995
Nova Scotia.....	1,251	94	1,345	3,509,726
New Brunswick	20	13	33	89,919
Quebec	217	81	298	1,004,180
Ontario	249	77	326	1,549,504
Manitoba.....	37	10	47	183,953
Saskatchewan	18	12	30	63,646
Alberta.....	1,264	371	1,635	4,844,746
British Columbia	139	42	181	727,197
Yukon	1	—	1	1,200
Northwest Territories	3	1	4	10,075
Canada	3,282	711	3,993	12,236,141

Data in tables 25 and 26 not included elsewhere in this report.

TABLE 26. Administration and Office Employees at Places in Canada, Except at Mine or Plant, 1949

Industry	Average number of employees			Salaries and Wages
	Male	Female	Total	
Metal Mining	359	113	472	2,108,974
Non-Ferrous Smelting and Refining	2,607	491	3,098	8,747,437
Fuels	60	24	84	258,698
Non-Metallic Mining	256	83	339	1,121,032
Structural Materials and Clay Products	3,282	711	3,993	12,236,141
Total.....				

TABLE 27. Fuel and Electricity Used in the Mineral Industry, by Industries, 1949

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.....	88,574	4,000	40	88,614	33,996,700	—
Auriferous quartz.....	2,038,361	878,675,665	5,268,792	7,307,153	40,463,125	8,304,960
Copper-gold-silver.....	481,449	351,487,777	1,149,266	1,630,715	69,948,759	918,211
Silver-cobalt.....	49,031	3,850,980	33,704	82,735	206,000	—
Silver-lead-zinc.....	1,148,476	117,976,360	841,156	1,989,632	45,234,384	—
Nickel-copper.....	577,464	166,266,416	584,296	1,161,760	1,300,579	1,092,221
Miscellaneous metals.....	678,189	80,561,517	482,369	1,160,558	—	—
Non-ferrous smelting and refining.....	18,830,136	8,505,698,252	18,174,175	37,004,311	564,239,787	10,270,080
Total.....	23,891,680	10,104,520,967	26,533,798	50,425,478	755,389,334	20,585,472
FUELS:						
Coal.....	1,650,617	201,682,778	2,701,850	4,352,467	60,971,903	19,779,350
Natural gas.....	51,670	254,962	7,290	58,960	—	—
Petroleum.....	505,459	4,284,351	94,103	599,562	203,954	—
Total.....	2,207,746	206,222,091	2,803,243	5,010,989	61,175,857	19,779,350
NON-METAL MINING:						
Asbestos.....	600,610	134,943,408	898,829	1,499,439	—	—
Feldspar and quartz.....	78,935	5,636,521	67,444	148,379	22,500	—
Gypsum.....	299,085	11,596,319	112,332	411,417	843,420	—
Iron oxides.....	17,828	199,956	2,864	20,692	—	—
Mica.....	9,930	501,684	4,560	14,490	—	—
Peat.....	32,414	986,582	19,390	51,804	—	—
Salt.....	657,715	6,415,114	41,728	699,443	9,091,346	—
Talc and soapstone.....	2,926	1,567,092	18,900	21,826	—	—
Miscellaneous.....	826,858	15,784,361	184,163	1,011,021	8,631,378	11,685
Total.....	2,526,301	177,631,037	1,350,210	3,876,511	18,588,644	11,685
STRUCTURAL MATERIALS:						
Cement.....	6,675,415	284,207,578	1,362,775	8,038,190	972,610	—
Clay products.....	3,031,219	24,832,594	316,126	3,347,345	440,000	—
Lime.....	2,755,514	14,642,858	98,323	2,853,837	3,253,290	—
Sand and gravel.....	970,726	17,019,347	212,745	1,183,471	1,120,168	—
Stone.....	829,017	36,790,940	542,360	1,371,377	892,000	—
Total.....	14,261,891	377,493,317	2,532,329	16,794,220	6,678,068	—
Grand total	42,887,618	10,865,867,412	33,219,580	76,107,198	841,831,903	40,376,507

TABLE 28. Fuel and Electricity Used in the Mineral Industry, by Provinces, 1949

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.....	429,222	37,149,383	307,093	736,315	9,368,015	11,685
Nova Scotia.....	1,020,995	130,360,616	1,678,907	2,699,902	27,736,833	11,910,965
New Brunswick.....	498,260	3,938,583	103,797	602,057	137,000	—
Quebec.....	11,232,970	8,032,041,286	19,232,735	30,465,705	21,143,736	10,750,018
Ontario.....	19,415,458	1,665,285,307	7,372,105	26,787,563	23,641,003	1,813,647
Manitoba.....	1,694,775	199,705,544	681,268	2,376,043	2,574,050	130,976
Saskatchewan.....	1,186,331	314,898,247	480,683	1,667,014	1,285,200	—
Alberta.....	2,064,881	85,435,447	1,052,930	3,117,811	22,399,898	497,513
British Columbia.....	4,842,118	375,357,000	1,977,831	6,819,749	683,279,239	8,651,483
Northwest Territories.....	313,984	21,694,576	331,993	645,977	14,447,521	6,610,220
Yukon.....	188,624	1,423	438	189,062	35,819,408	—
Canada.....	42,877,618	10,865,867,412	33,219,580	76,107,198	841,831,903	40,376,507

EXPLANATORY NOTES

Method of Computing Quantities and Values of the Mineral Production of Canada in 1949

Arsenic. White arsenic (As_2O_3) produced at Canadian plants at its sales value.

Bismuth. Recoverable metal in silver-lead-bismuth bullion shipped to foreign smelters for refining, at an arbitrary price, plus bismuth metal produced at Canadian smelters valued at the average New York price expressed in Canadian funds.

Cadmium. Canadian refinery production valued at the amount received by shippers.

Cobalt. Cobalt content of the various cobalt products sold by the Canadian smelter which produces these products added to the cobalt content of ores and residues exported for treatment in foreign smelters; the value represents the gross amount received by the shippers.

Copper. Recoverable copper in ores and concentrates exported valued at the average New York price for the year in Canadian funds, plus copper in blister copper made at Canadian smelters valued at the average New York price for the year in Canadian funds, plus copper in copper-nickel matte exported from Canadian smelters valued at an arbitrary price agreed upon between the Dominion Bureau of Statistics and the Ontario Department of Mines.

Gold. Gold in bullion produced and the recoverable gold in all other Canadian mine products, valued at the standard rate of \$20.671834 per fine ounce until the end of 1930 and for succeeding years, unless otherwise specified, at the average price at the United States Treasury transposed to Canadian funds.

Lead. Recoverable lead in ores exported added to lead contained in base bullion made at Canadian smelters, valued at the average New York quotations expressed in Canadian funds.

Nickel. Refined and electrolytic nickel produced at Canadian refineries valued in Canadian funds at the average price obtained for such products sold during the year, plus nickel in oxides and salts sold from Canadian smelters and refineries at its total selling value in Canadian funds in the form in which it was sold, plus nickel in matte exported from Canada valued at an arbitrary figure agreed upon by the Ontario Department of Mines and the Dominion Bureau of Statistics (representative of the value of the nickel in matte form).

Platinum Group Metals. Recoverable metals in smelter products and placer platinum at the average New York price transposed to Canadian funds.

Silver. Silver bullion produced and the recoverable silver in other primary plant products, plus the recoverable silver in Canadian ores exported, valued

at the average New York price in Canadian funds for foreign ores.

Tellurium and Selenium. Refinery production valued at the average New York price expressed in Canadian funds.

Zinc. Refined zinc produced by the Canadian zinc refineries, plus the recoverable zinc in concentrates exported, valued at the average New York price expressed in Canadian funds.

Coal. Output tonnage evaluated pro rata according to income from sales.

Other Non-Metallic Minerals, Clay Products and Structural Materials. Shipments during the year at their respective sales values.

Imports. Quantities and values are based on the declarations of importers as subsequently checked by government officials.

The value of imported merchandise is the fair market value or the price thereof when sold for home consumption in the principal markets of the country whence and at the time when the same were exported directly to Canada. The price and value of the goods in every case are stated as in condition packed ready for shipment, the fair value being shown in the currency of the country of export, and the selling price to the purchaser in Canada shown in the actual currency in which the goods were purchased. In the case of goods that are the manufacture or produce of a foreign country, the currency of which is substantially depreciated, the value stated is the value that would be placed on similar goods manufactured or purchased in the United Kingdom and imported from that country, if such similar goods are made or produced there. If similar goods are not made or produced in the United Kingdom, the value stated is the value of similar goods made or produced in any European country, the currency of which is not substantially depreciated.

Exports. Quantities and values are based on the declaration of exporters as subsequently checked by government officials.

The value of exports of Canadian merchandise is the actual cost or the value at the time of exportation at the points in Canada whence originally shipped.

Weight. Weight, where shown in imports and exports is the net weight of the goods, excluding the weight of the covers or receptacles, except in the cases of certain goods, as provided in the tariff.

The expression "ton" means 2,000 pounds, and cwt. 100 pounds, avoirdupois. Where other units of quantity are used, imperial standards apply.

ERRATA

Some revisions have been made in the 1940 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 Industry:

Page F-6, Table 4: gold 4,119,302 ounces, \$148,294,872 should read 4,123,518 ounces, \$148,446,648 .

Page F-7, Table 11: zinc, 238,262 tons, should read 288,262 tons.

Page F-9, Table 16: tungsten, tons (gross wt.) , should read, pounds

Page F-9, Table 18: palladium and other platinum metals, 23,218 ounces, \$2,296,884 , should read 110,332 ounces, \$4,387,740

Gypsum Industry:

Page K-5, Table 5: Gypsum, ground 3,298 tons, should read, 165 tons.

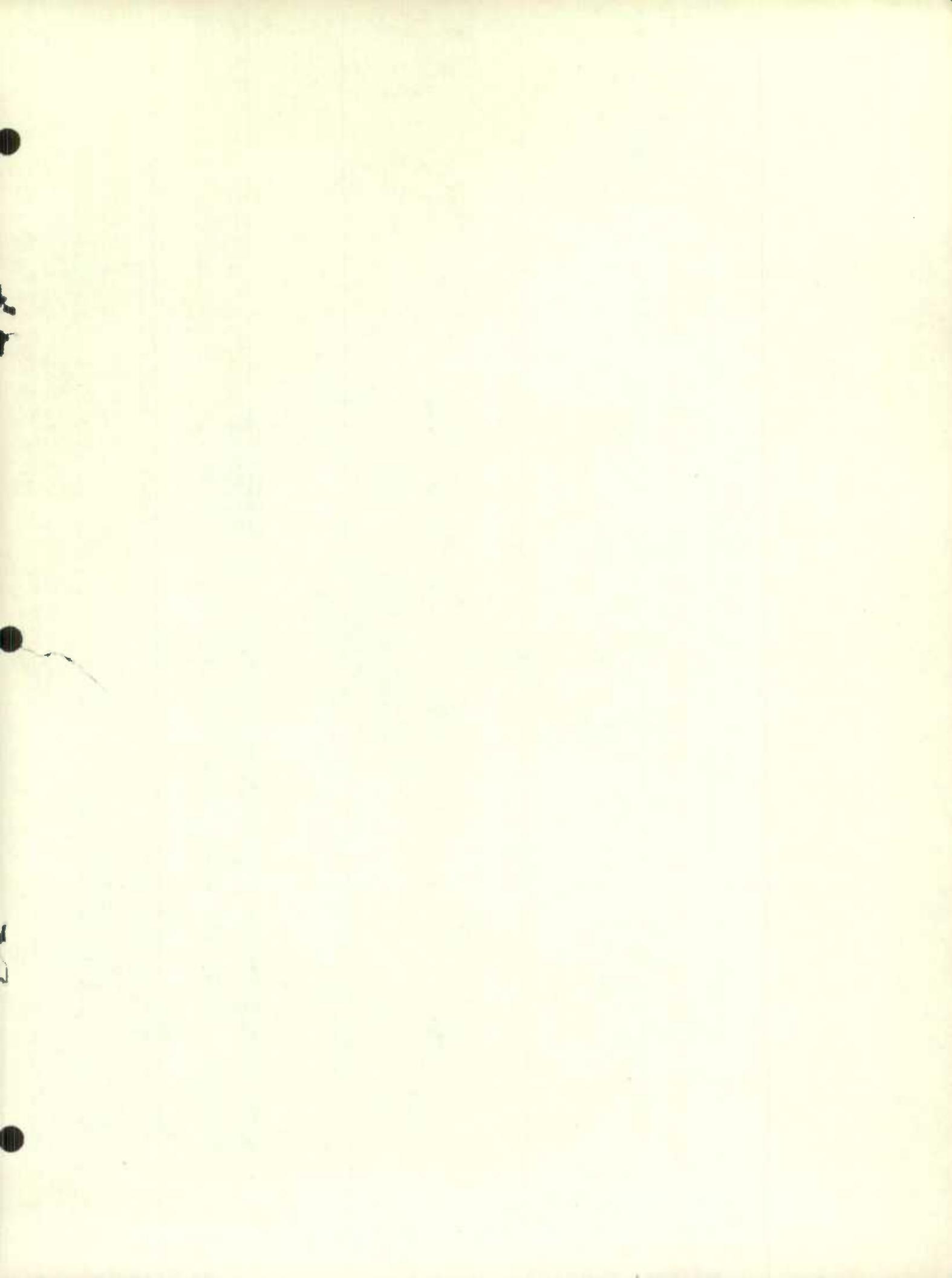
Lime Industry:

Page R-3, Text line 8 right column, \$3,572,730 should read \$718,893 .

Stone Industry:

Page T-18, Table 16: granite, monuments \$187,360 , should read \$187,630 .









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