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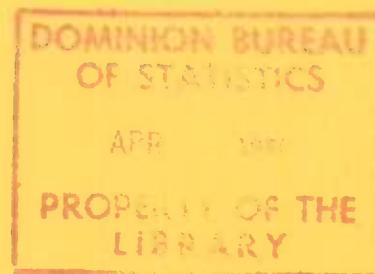
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CANADA

GENERAL REVIEW OF THE MINING INDUSTRY

1954



DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

Mineral Statistics Section



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1954

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NOTICE

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

Volume I consists of the following parts:

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

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

- A — General Review of the Mining Industry, 50¢
- B — The Gold Mining Industry, 50¢
- C — The Silver-Lead-Zinc Mining Industry, 25¢
- D — The Nickel-Copper Mining, Smelting and Refining Industry, 25¢
- E — The Miscellaneous Metal Mining Industry, 25¢
- F — The Smelting and Refining Industry, 25¢
- G — The Coal Mining Industry, \$1.00
- H — The Crude Petroleum and Natural Gas Industry, 25¢
- I — The Asbestos Mining Industry, 25¢
- J — The Feldspar and Quartz Mining Industry, 25¢
- K — The Gypsum Industry, 25¢
- L — The Peat Industry, 25¢
- M — The Salt Industry, 25¢
- N — The Talc and Soapstone Industry, 25¢
- O — The Miscellaneous Non-metal Mining Industry, 25¢
- P — The Cement Manufacturing Industry, 25¢
- Q — The Clay and Clay Products Industry, 25¢
- R — The Lime Industry, 25¢
- S — The Sand and Gravel Industry, 25¢
- T — The Stone Industry, 25¢
- U — Contract Drilling in the Mining Industry, 25¢

GENERAL REVIEW OF THE MINING INDUSTRY

1954

During 1954 the mineral industry of Canada established a new record by producing minerals which had a total value of \$1,488,382,091. Direct comparison with previous years cannot be fairly made as the 1954 data includes the value of pitchblende products which were excluded during the years 1941 to 1953. For the second year crude petroleum was the leading mineral with a value of \$243,877,030. Nickel retained second place with \$180,173,392. This was followed by copper valued at \$175,712,693. Gold was in fourth position with a value of \$148,764,611. Those minerals whose value ranged from \$100 millions to \$50 millions included, in descending order, coal, zinc, asbestos, cement, sand and gravel, lead. Iron ore was slightly below the \$50 millions level. Roundly speaking there were eleven minerals in the \$50 millions category.

The total value of metals was \$799,916,306 in 1954. Nickel production of 161,279 tons was up 12 per cent. Although the labour strikes in the early part of the year in Quebec affected the copper output, the Canadian production of copper increased 19 per cent to 302,732 tons. Gold output was 4,366,440 troy ounces compared with 4,055,723 troy ounces in the preceding year. The tonnage of zinc decreased to 376,491 from 401,762 in 1953. There was a lessened demand for this plating metal and some miners reduced their output. Marketwise lead was in a similar position but the total output of lead increased to 218,495 tons from the previous year's 193,706 tons. Iron ore shipments were up 13 per cent to 7,361,598 short tons. Remelt iron, a co-product of titanium ore smelting, was valued at \$2,910,663. The value of tungsten concentrates at \$5,795,781 was about the same as in 1953. To the 1954 metal data there were added \$26.5 millions as the estimated value of pitchblende products which includes some silver and cobalt. Due to the wide range of prices of the materials included in this item quantities are not readily calculable. The metals group gained two new items, tantalum and columbium, which were produced as pentoxides at the refinery located at Cap de Madeleine, Quebec, from ores mined in the Northwest Territories.

A new high for mineral fuels was recorded in 1954. The combined values of coal, natural gas and petroleum was \$352,959,465 which was an increase of 12 per cent. Crude petroleum output amounted to 96 million barrels worth \$243,877,030. The natural gas output, less the waste, amounted to 120 billion cubic feet. The coal industry continued the decline which started in 1951. The production decreased 1 million tons in 1954. There has been a 22 per cent decrease since 1950.

Non-metallic minerals had a new high value of \$130,523,624 in 1954 compared with \$126,039,359 in the preceding year. The leading mineral in this group was asbestos with 924,116 tons valued at \$86,409,212 which was an increase in quantity and value but less than the peak tonnage of 1951. There was not as much barite shipped in 1954 as in the previous year. Feldspar tonnage was off but nepheline syenite which has similar uses was up. The increase in fluorspar came from Newfoundland mines. There were larger tonnages of gypsum, salt, talc and soapstone. The sulphur in pyrite and smelter gases increased from 358,850 tons to 532,406 tons. Titanium dioxide in slag showed a decline to 88,408 tons from 100,527 tons.

The value of structural materials passed the \$200 millions mark. The cement plants, working at capacity, shipped 22,437,477 barrels valued at \$59,035,644. Producers of brick, tile, sewer pipe, pottery, etc., from Canadian clays, shipped products worth \$32,360,098. The lime industry continued to produce about the same amount of lime. Sand and gravel production showed an increase to \$58,987,671. The tonnage of stone was exceptionally large due to the large quantities used in the Canso causeway. Also included in the 1954 figures are several tons of stone used in the previous year but not previously recorded.

All of the provinces showed increases in the value of minerals produced. Newfoundland produced more iron ore and fluorspar. Nova Scotia metal values were up. The fuels were off slightly but the structural materials increased. In New Brunswick the value of fuels and structural materials increased while the non-metallics declined. Quebec showed increases in copper, gold, iron ore, silver, zinc, asbestos, magnesitic dolomite, stone and sand and gravel. There was less lead, feldspar, quartz and titanium dioxide. The railway started hauling iron ore from Knob Lake to Sept Iles. The valuation of Ontario's minerals reached nearly one half billion dollars. Metals were up \$25 millions and structural materials rose \$5.7 millions, but the fuels and non-metallics did not show as much gain. Mining developments continued apace in the new areas of Blind River and Manitouwadge. Manitoba's metal output was increased by \$5.4 millions. Nickel-copper concentrates were shipped from Lynn Lake to the refinery at Fort Saskatchewan and to an Ontario smelter. Crude petroleum trebled to exceed 2.1 million barrels. In 1954 there were about \$11 millions worth of radioactive products added to Saskatchewan's minerals. These commodities had not previously been included in the compilations.

Oil in the prairie provinces doubled to 5.4 million barrels. Uranium mines and prospects in the Lake Athabasca area were intensively explored. As Alberta's coal industry declined slowly the oil production rose rapidly. Petroleum reserves have increased and have expanded at a greater rate than marketing facilities. The total valuation of British Columbia's minerals was \$158.6 millions which was about the same as in the preceding year. The lead and silver increased but the zinc decreased. Aluminum production began at Kitimat but this was not included in the mineral compilation as the ore was imported. The Northwest Territories maintained the previous level of production of more than \$10 millions for minerals other than pitchblende. Added to the list of minerals were columbium, tantalum and lithia which were mined in the Hearne Channel area. The silver-lead ores accounted for the major portion of Yukon's minerals valued at \$16.6 millions.

The index, based on 1935-39=100, of the physical volume of mineral production was 209.7 in

1954 compared with 185.8 in 1953 and 174.7 in 1952. Mining activity is indicated by the ore mined and rock quarried. In 1954 this amounted to 120.4 million tons, of which 59 million tons were from metal mines, 20.9 million tons were non-metallics and 40.5 million tons were quarried stone. Sodium sulphate, sand and gravel and similar materials which are not actually mined or blasted were not included in the total.

Employees in the mineral industry numbered 129,445 to whom \$465,305,873 were paid in salaries and wages. The cost of fuel and purchased electricity amounted to \$115,910,978.

The top ten mineral commodities in order of total value were in 1954: crude petroleum, nickel, copper, gold, coal, zinc, asbestos, cement, sand and gravel and lead.

TABLE 1. Mineral Production, by Kinds, 1953 and 1954

		1953		1954	
		Quantity	Value	Quantity	Value
		\$	\$		
Metallics:					
Antimony	lb.	1,488,105	291,862	1,302,333	349,249
Bismuth	lb.	117,366	209,557	258,675	572,183
Cadmium	"	1,118,285	2,236,570	1,086,780	1,847,526
Calcium	"		1	...	1
Cobalt	lb.	1,602,545	4,013,077	2,252,965	5,912,997
Columbium (Cb_2O_5)	lb.	—	—	90	2,294
Copper	troy oz.	506,504,074	150,953,742	605,464,042	175,712,693
Gold	troy oz.	4,055,723	139,597,985	4,366,440	148,764,611
Indium	"	6,752	9,588	477	1,278
Iron ore	tons	6,505,818	44,102,944	7,361,598	49,666,507
Iron ingots	"	107,370	4,064,039	90,562	2,910,663
Lead	lb.	387,411,588	50,076,822	436,990,488	58,250,831
Magnesium	"	2	5,295,840	2	4,101,642
Molybdenite concentrates (MoS_2)	lb.	323,907	215,527	752,417	457,912
Nickel	troy oz.	287,385,777	160,430,098	322,557,961	180,173,392
Palladium, rhodium, iridium, etc.	troy oz.	166,018	7,495,409	189,350	7,956,087
Platinum	"	137,545	12,550,981	154,356	12,950,469
Pitchblende products	"				26,467,574
Selenium	lb.	262,346	1,101,854	323,529	1,617,645
Silver	troy oz.	28,299,335	23,774,271	31,117,949	25,707,870
Tantalum (Ta_2O_5)	lb.	—	—	77	2,696
Tellurium	lb.	4,694	8,215	8,171	14,300
Tin	"	643,254	581,746	333,788	263,359
Titanium ore	tons	9,294	80,085	1,541	9,462
Tungsten (WO_3)	lb.	2,446,028	5,689,160	2,170,633	5,795,781
Zinc	"	803,523,295	96,101,386	752,982,353	90,207,285
Total metallics	—	...	708,880,758	...	799,916,306
Non-metallics:					
Arsenious oxide	lb.	1,403,740	56,150	1,180,350	48,333
Asbestos	tons	911,226	86,052,895	924,116	86,409,212
Barite	"	247,227	2,220,292	221,472	2,003,798
Diatomite	"	103	12,150	4	192
Feldspar	"	21,246	347,164	16,096	301,049
Fluorspar	"	88,569	2,670,585	118,969	2,987,026
Graphite	"	3,466	366,528	2,463	254,534
Grindstones	"	15	900	—	—
Gypsum	"	3,841,457	7,399,884	3,950,422	7,094,671
Ton oxides	"	10,308	195,801	5,798	183,507
Lithia	lb.	—	—	17,052	6,300
Magnesitic dolomite and brucite	"		3,056,392	—	4,394,280
Mica	lb.	2,265,128	161,128	1,706,770	65,139
Mineral waters	gal.	309,585	165,484	284,078	148,057
Nepheline syenite	tons	113,345	1,576,271	123,669	1,770,528
Peat moss	"	81,654	2,643,019	99,272	3,018,622
Perlite	"	1,112	11,120	—	—
Quartz	"	1,785,574	2,070,617	1,716,151	1,574,893
Salt	"	954,928	6,974,501	969,887	8,340,163
Silica brick	M	3,720	712,271	3,578	465,157
Soapstone and talc	tons	27,408	285,755	28,143	335,353
Sodium sulphate	"	115,565	1,681,258	158,417	2,385,573
Sulphur	"	358,850	3,172,698	532,406	4,875,969
Titanium dioxide in slag	"	100,527	4,206,496	88,408	3,841,270
Total other non-metallics	—	...	126,039,359	...	130,523,624
Fuels:					
Coal	tons	15,900,673	102,721,875	14,913,579	96,600,266
Natural gas	M cu. ft.	100,985,923	10,877,017	120,735,214	12,482,109
Peat	tons	—	—	6	60
Petroleum	bbl.	80,898,897	200,582,276	96,080,345	243,877,030
Total fuels	—	...	314,181,168	...	352,959,465
Structural materials:					
Clay products (brick, tile, etc.)	"		29,777,731	—	32,360,098
Cement	bbl.	22,238,335	58,842,022	22,437,477	59,035,644
Lime	tons	1,228,760	14,484,013	1,214,839	14,742,149
Sand and gravel	"	101,033,949	53,485,401	110,961,034	58,987,671
Stone	"	19,849,017	30,613,051	32,767,925	39,857,134
Total structural materials	—	...	187,202,218	...	204,982,696
GRAND TOTAL	—	...	1,336,303,503	...	1,488,382,091

1. Included with magnesium in 1953 and 1954.

2. Data not available for publication.

3. Includes calcium.

MINERAL STATISTICS

TABLE 2. Mineral Production by Provinces, 1954

No.		Unit of measure	Newfoundland	Nova Scotia	New Brunswick	Quebec
Metals						
1	Antimony	lb. \$	—	—	—	—
2	Bismuth	lb. \$	—	—	—	33,324 65,143
3	Cadmium	lb. \$	—	—	—	—
6	Colombium (Cb_2O_5)	lb. \$	—	—	—	—
7	Cobalt	lb. \$	—	—	—	—
9	Copper	lb. \$	—	—	—	—
10	Gold	oz. \$	—	—	—	—
11	Hindium	oz. \$	6,961,165 2,029,876	1,981,713 577,868	—	167,860,775 48,948,202
12	Iron ore	ton \$	3,758,526 21,749,304	—	—	650,415 3,818,309
18	Iron ingots	ton \$	—	—	—	90,562
20	Lead	lb. \$	37,052,168 4,939,054	4,186,143 558,013	—	2,910,663 15,635,942 2,084,271
23	Magnesium and calcium	lb. \$	—	—	—	—
24	Molybdenite	lb. \$	—	—	—	752,417 457,912
25	Nickel	lb. \$	—	—	—	—
27	Palladium, iridium, etc.	oz. \$	—	—	—	—
30	Platinum	oz. \$	—	—	—	—
33	Pitchblende, etc. ²	— \$	—	—	—	—
34	Selenium	lb. \$	—	—	—	—
35	Silver	oz. \$	742,120 617,867	262,361 218,434	—	135,951 675,256 4,907,304 4,085,674
39	Tantalum (Ta_2O_5)	lb. \$	—	—	—	—
41	Tellurium	lb. \$	—	—	—	530
42	Tin	lb. \$	—	—	—	928
43	Titanium ore	ton \$	—	—	—	—
45	Tungsten concentrates (WO_3)	lb. \$	—	—	—	—
46	Zinc	lb. \$	60,004,968 7,188,595	16,985,060 2,034,810	—	1,541 9,462 214,002,774 25,637,532
51	Total metals	\$	36,747,105	3,517,024	—	126,121,631
Non-metals						
52	Arsenious oxide	lb. \$	—	—	—	—
53	Asbestos	ton \$	—	—	—	—
54	Barite	ton \$	—	—	—	894,129
55	Diatomite	ton \$	—	—	—	79,906,506
56	Feldspar	ton \$	—	216,416 1,888,459	—	—
57	Fluorspar	ton \$	—	—	—	—
58	Graphite	ton \$	—	4 192	—	—
60	Grindstone	ton \$	—	—	—	—
61	Gypsum	ton \$	—	—	—	14,305 278,997
62	—	ton \$	118,065 2,946,896	—	—	—
63	—	ton \$	—	—	—	—
64	—	ton \$	—	—	—	11
65	—	ton \$	—	—	—	1,092
66	—	ton \$	—	—	—	—
67	—	ton \$	—	—	—	—
68	—	ton \$	26,653 124,385	3,168,134 5,235,581	88,856 217,697	—

1. Included in magnesitic dolomite and brucite.

2. Includes radium salts, uranium oxides and salts, silver and cobalt.

GENERAL REVIEW OF THE MINING INDUSTRY

A-7

TABLE 2. Mineral Production by Provinces, 1954

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	Canada	No.
—	—	—	—	1,302,333 349,249	—	—	1,302,333 349,249	1
—	—	—	—	225,351 507,040	—	—	258,675 572,183	3
—	32,352 54,998	122,244 207,815	—	679,331 1,154,863	—	252,853 429,850	1,086,780 1,847,526	5
—	—	—	—	—	90 2,294	—	90 2,294	7
2,252,965 5,912,997	—	—	—	—	—	—	2,252,965 5,912,997	9
281,552,361 81,343,536	24,548,759 7,161,925	72,383,656 21,107,074	—	50,175,613 14,544,212	—	—	605,464,042 175,712,693	11
2,361,385 80,452,387	134,944 4,597,542	101,785 3,467,815	195 6,644	268,508 9,148,068	308,563 10,512,741	82,208 2,800,826	4,366,440 148,764,611	13
—	—	—	—	—	477	—	477	15
—	—	—	—	1,278	—	—	1,278	16
2,416,911 20,365,003	—	—	—	535,746 3,733,891	—	—	7,361,598 49,660,507	17
—	—	—	—	—	—	—	90,562 2,910,663	19
2,815,611 375,321	—	—	—	343,535,334 45,793,259	—	33,765,290 4,500,913	436,990,488 58,250,831	21
4,101,642	—	—	—	—	—	—	4,101,642	23
—	—	—	—	—	—	—	752,417 457,912	25
—	—	—	—	—	—	—	—	26
316,019,050 176,556,296	6,538,911 3,617,096	—	—	—	—	—	322,557,961 180,173,392	27
189,350 7,956,087	—	—	—	—	—	—	189,350 7,956,087	29
154,356 12,950,469	—	—	—	—	—	—	154,358 12,950,469	31
—	—	10,981,417	—	—	15,486,157	—	26,467,574	33
94,826 474,130	15,481 77,405	78,171 390,855	—	—	—	—	323,529 1,617,645	35
5,443,721 4,532,278	411,125 342,290	1,474,370 1,227,516	18 15	10,825,614 9,013,082	59,037 49,152	6,992,279 5,821,562	31,117,949 25,907,870	37
—	—	—	—	—	77	—	77	39
—	—	—	—	—	2,696	—	2,696	40
7,195 12,591	74 130	372 651	—	—	—	—	8,171 14,300	41
—	—	—	—	333,788 263,359	—	—	333,788 263,359	43
—	—	—	—	—	—	—	1,541 9,462	45
—	—	—	—	—	—	—	—	46
—	—	—	—	2,170,633 5,795,781	—	—	2,170,633 5,795,781	47
1,420,048 170,122	32,506,063 3,894,226	101,339,521 12,140,475	—	303,078,331 36,308,784	—	23,645,588 2,832,741	752,982,353 90,207,285	49
395,202,859	19,745,612	49,523,618	6,659	126,612,866	26,053,040	16,385,892	799,916,306	51
—	—	—	—	—	—	—	—	—
1,180,350 48,333	—	—	—	—	—	—	1,180,350 48,333	52
21,389 3,581,955	—	—	—	8,598 2,920,751	—	—	924,116 86,409,212	54
—	—	—	—	5,056 115,337	—	—	221,472 2,003,796	56
—	—	—	—	—	—	—	4 192	58
1,791 22,052	—	—	—	—	—	—	16,096 301,049	60
904 40,130	—	—	—	—	—	—	118,969 2,987,026	61
2,452 253,441	—	—	—	—	—	—	2,463 254,534	63
—	—	—	—	—	—	—	—	66
—	—	—	—	—	—	—	—	67
367,432 822,094	162,037 273,180	—	—	147,310 421,734	—	—	3,950,422 7,094,671	68

TABLE 2. Mineral Production by Provinces, 1954 - Concluded

No.		Unit of measure	Newfoundland	Nova Scotia	New Brunswick	Quebec
Non-metallics						
1	Iron oxide	ton \$	—	—	—	5,798
2						183,507
3	Lithia	lb. \$	—	—	—	—
4						
5	Magnesitic dolomite, brucite	ton \$	—	—	—	4,394,280
6						
7	Mica	lb. \$	—	—	—	1,303,562
8						78,351
9	Mineral water	gal. \$	—	—	—	282,078
10						147,307
11	Nepheline syenite	ton \$	—	—	—	—
12						
13	Peat, moss	ton \$	—	118	9,888	27,784
14				1,675	217,421	730,250
15	Perlite	ton \$	—	—	—	—
16						
17	Phosphate rock	ton \$	—	—	—	—
18						
19	Quartz	ton \$	—	—	—	83,507
20						234,007
21	Salt	ton \$	—	150,589	—	—
22				1,838,559	—	—
23	Silica brick	M \$	—	1,208	—	—
24				244,040	—	—
25	Soapstone and talc	ton \$	9 230	—	—	14,437
26						165,472
27	Sodium sulphate	ton \$	—	—	—	—
28						
29	Sulphur	ton \$	—	—	—	—
30						1,854,480
31	Titanium dioxide	ton \$	—	—	—	88,408
32						3,841,270
33	Total non-metallics	\$	3,071,511	9,208,506	435,118	91,815,529
Fuels						
34	Coal	ton \$	—	5,842,896	781,271	—
35				51,938,299	6,187,622	—
36	Natural gas	M cu. ft. \$	—	—	183,457	—
37					136,405	—
38	Peat	ton \$	—	—	—	—
39						
40	Petroleum, crude	bbl. \$	—	—	13,046	—
41					18,265	—
42	Total fuels	\$	—	51,938,299	6,342,292	—
Structural materials						
43	Clay products	\$	33,042	1,082,039	587,994	8,055,692
44	Cement	bbl. \$	403,515	—	854,808	7,541,373
45			1,330,018	—	2,181,854	19,108,680
46	Lime	ton \$	—	—	22,533	445,892
47					439,161	4,371,797
48	Sand and gravel	ton \$	2,105,522	1,330,979	3,528,318	30,052,887
49			1,096,883	1,297,693	1,832,299	12,985,931
50	Stone	ton \$	359,350	9,757,607	720,792	10,111,361
51			619,474	6,407,337	649,604	16,358,810
52	Total structural materials	\$	3,079,417	8,787,069	5,690,912	60,880,910
53	GRAND TOTAL, 1954	\$	42,898,033	73,450,898	12,468,322	278,818,070
54	GRAND TOTAL, 1953 ¹	\$	33,780,622	67,364,408	11,663,618	251,881,781

1. Pitchblende products, etc., are not included.

TABLE 2. Mineral Production by Provinces, 1954 — Concluded

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	Canada	No.
—	—	—	—	—	—	—	5,798	1
—	—	—	—	—	—	—	183,507	2
—	—	—	—	—	17,052	—	17,052	3
—	—	—	—	—	6,300	—	6,300	4
—	—	—	—	—	—	—	4,394	5
—	—	—	—	—	—	—	4,394,280	6
137,208 4,195	—	—	—	266,000 2,593	—	—	1,706,770 85,139	7
2,000 750	—	—	—	—	—	—	284,078 148,057	9
123,669 1,770,528	—	—	—	—	—	—	123,669 1,770,528	11
640 19,809	3,494 146,477	—	—	57,348 1,902,990	—	—	99,272 3,018,622	13
—	—	—	—	—	—	—	—	15
—	—	—	—	—	—	—	—	16
—	—	—	—	—	—	—	—	17
—	—	—	—	—	—	—	—	18
1,476,745 1,270,731	—	155,899 70,155	—	—	—	—	1,716,151 1,574,893	19
733,066 4,440,418	17,809 439,154	37,227 899,849	31,196 732,183	—	—	—	969,887 8,340,163	21
2,370 221,117	—	—	—	—	—	—	3,578 465,157	23
13,697 169,651	—	—	—	—	—	—	28,143 335,353	25
—	—	158,417 2,385,573	—	—	—	—	158,417 2,385,573	27
495,980	—	—	—	2,525,500	—	—	532,406 4,875,969	29
—	—	—	—	—	—	—	88,408 3,841,270	31
—	—	—	—	—	—	—	—	32
13,161,184	858,811	3,355,577	722,183	7,888,905	6,300	—	130,523,624	33
—	—	2,116,740 3,961,702	4,859,049 26,382,603	1,299,510 7,927,268	—	14,113 202,772	14,913,579 96,600,266	34
10,015,818 4,006,327	—	3,333,077 291,644	107,173,777 8,038,033	—	29,085 9,700	—	120,735,214 12,482,109	36
6 60	—	—	—	—	—	—	6 60	38 39
412,474 1,391,687	2,148,184 5,619,649	5,422,899 8,183,304	87,713,855 228,319,165	—	369,887 344,960	—	96,080,345 243,877,030	40
5,398,074	5,619,649	12,436,650	262,739,801	7,927,268	354,660	202,772	352,959,463	42
17,230,231	512,989	844,398	2,316,982	1,696,731	—	—	32,360,098	43
7,208,061	1,633,389	—	3,052,805	1,743,526	—	—	22,437,477	44
18,958,173	4,760,539	—	7,761,082	4,935,298	—	—	59,035,644	45
610,591	52,178	—	32,599	51,046	—	—	1,214,839	46
7,680,739	821,903	—	493,303	935,246	—	—	14,742,149	47
46,433,191	4,831,716	5,211,429	7,313,380	10,153,612	—	—	110,961,034	48
26,577,612	2,084,367	2,055,766	4,867,410	6,189,710	—	—	58,987,671	49
10,141,156	207,556	—	27,017	1,443,086	—	—	32,767,925	50
12,538,699	703,052	—	135,315	2,444,843	—	—	39,857,134	51
82,985,454	8,882,850	2,900,164	15,574,092	16,201,828	—	—	204,982,696	52
496,747,571	35,106,922	68,216,009	279,042,735	158,630,867	26,414,000	16,588,664	1,488,382,091	53
465,877,093	25,264,112	48,081,970	248,863,295	158,487,812	10,300,230	14,738,562	1,336,303,503	54

MINERAL STATISTICS

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

Year	Metallics	Non-metallics	Fuels	Structural materials	Total	Value per capita
						\$
1886	2,118,608	1,259,827	4,367,444	2,225,376	10,221,255	2.23
1887	2,073,746	1,209,153	5,080,853	2,707,579	11,321,331	2.23
1888	2,628,292	1,320,585	5,522,016	2,798,001	12,518,894	2.67
1889	3,251,299	1,562,010	5,702,930	3,247,674	14,013,913	2.96
1890	3,614,488	2,392,315	6,745,279	3,761,271	16,763,353	3.50
1891	5,421,659	2,025,195	8,205,228	3,074,534	18,976,616	3.92
1892	3,698,697	1,417,821	7,658,444	3,603,455	16,628,417	3.39
1893	4,630,495	1,249,283	8,771,358	5,133,946	20,035,082	4.04
1894	4,685,852	1,263,803	8,727,095	5,004,408	19,931,158	3.98
1895	6,087,114	1,193,512	8,248,923	4,726,368	20,505,917	4.05
1896	8,030,633	1,207,671	8,658,410	4,327,542	22,474,256	4.38
1897	13,780,314	1,425,093	8,641,016	4,388,550	28,485,023	5.49
1898	21,741,865	1,492,262	9,608,158	5,270,146	38,412,431	7.32
1899	29,282,823	1,610,111	11,872,788	6,168,283	49,234,005	9.27
1900	40,521,807	1,914,690	15,311,479	6,372,901	64,420,877	12.04
1901	41,939,500	2,713,621	14,047,654	6,803,836	65,804,611	12.16
1902	35,924,651	2,730,425	16,359,722	7,896,836	63,211,634	11.36
1903	33,210,147	2,589,302	17,197,317	8,443,747	61,740,513	10.83
1904	30,924,897	2,807,995	17,858,902	8,182,103	60,073,897	10.27
1905	36,946,212	3,468,408	18,756,112	9,608,267	69,078,999	11.49
1906	41,949,563	4,424,882	21,081,724	11,530,528	79,286,697	12.81
1907	42,426,607	5,021,384	26,254,162	12,863,049	86,865,202	13.75
1908	41,774,362	5,188,269	26,954,515	11,339,955	85,557,101	13.16
1909	44,156,841	4,593,142	26,548,109	16,533,349	91,831,441	13.70
1910	49,438,873	5,109,754	32,647,404	19,627,592	106,823,623	14.93
1911	46,105,423	5,659,746	28,746,214	22,709,611	103,220,994	14.32
1912	61,172,753	6,750,980	38,729,694	28,794,869	135,048,296	18.33
1913	66,361,351	7,402,849	41,060,860	30,809,752	145,634,812	19.35
1914	59,386,619	6,165,107	37,302,122	26,009,227	128,863,075	16.75
1915	75,814,841	7,254,732	36,118,839	17,920,759	137,109,171	17.44
1916	106,319,365	10,245,689	43,169,294	17,467,185	177,201,534	22.06
1917	106,455,147	14,566,995	48,787,368	19,837,311	189,646,821	23.18
1918	114,549,152	17,192,967	60,428,979	19,130,799	211,301,897	25.37
1919	73,262,793	16,676,377	59,325,710	27,421,510	176,686,390	20.84
1920	77,939,630	22,260,697	85,767,250	41,892,088	227,859,665	26.40
1921	49,343,232	10,148,665	77,694,017	34,737,428	171,923,342	19.56
1922	61,785,707	10,986,120	71,990,674	39,534,741	184,297,242	20.53
1923	83,764,403	14,097,925	78,465,622	37,751,381	214,079,331	23.41
1924	102,058,235	12,374,278	59,770,024	35,380,869	209,583,406	22.71
1925	116,951,996	14,628,048	57,354,055	37,649,234	226,583,333	24.19
1926	115,090,770	16,643,022	68,743,933	39,959,398	240,437,123	25.61
1927	113,349,051	17,771,709	71,426,516	44,809,419	247,356,695	25.67
1928	131,819,402	19,019,744	74,413,160	49,737,181	274,989,487	27.96
1929	154,282,736	21,245,279	76,787,397	58,534,834	310,850,246	31.00
1930	142,614,237	15,347,391	68,184,485	53,727,465	279,873,578	27.42
1931	120,794,977	11,028,311	54,453,143	44,158,295	230,434,726	22.21
1932	111,943,049	7,839,551	49,047,342	22,398,283	191,228,225	18.20
1933	147,206,959	10,061,071	47,778,436	16,696,687	221,743,153	20.74
1934	194,213,956	10,558,174	54,262,099	19,286,751	278,320,990	25.67
1935	222,139,223	12,579,334	54,824,200	23,215,400	312,758,157	28.56
1936	259,988,203	16,782,608	59,983,320	25,770,741	362,524,872	32.82
1937	335,000,751	22,536,303	65,828,879	34,869,699	458,235,632	41.13
1938	324,064,074	20,122,661	64,803,294	33,878,666	442,868,695	39.42
1939	343,483,866	25,114,106	70,871,328	35,362,759	474,602,059	41.94
1940	382,440,214	26,074,296	78,837,874	42,472,651	529,825,035	46.39
1941	395,193,386	34,532,635	85,141,997	45,373,272	560,241,290	49.06
1942	391,540,411	37,329,163	92,169,291	45,729,807	566,768,672	48.63
1943	356,558,751	38,970,577	92,514,384	42,010,254	530,053,966	44.87
1944	303,111,295	37,431,875	97,291,007	42,984,937	485,819,114	40.57
1945	316,962,810	39,841,422	93,531,276	48,419,673	498,755,181	41.15
1946	290,386,425	43,792,717	102,516,888	66,120,221	502,816,251	40.86
1947	395,069,530	54,742,453	110,481,207	84,576,785	644,869,975	51.25
1948	488,151,055	67,234,304	159,736,260	105,127,246	820,248,865	63.67
1949	538,967,258	64,585,216	183,654,473	113,903,079	901,110,026	66.51
1950	617,238,340	94,721,564	201,193,957	132,296,212	1,045,450,073	74.68
1951	745,588,728	115,706,983	232,854,093	151,333,791	1,245,483,595	88.90
1952	727,704,366	125,047,050	263,582,319	168,808,618	1,285,342,353	89.07
1953	708,880,758	126,039,359	314,181,168	187,202,218	1,336,303,503	90.40
1954	799,916,306	130,523,624	352,959,465	204,982,696	1,488,382,091	96.59

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

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

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

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

Year	Index	Year	Index	Year	Index
1922	38.1	1933	60.7	1944	104.1
1923	42.2	1934	73.6	1945	100.9
1924	43.4	1935	79.5	1946	97.1
1925	47.5	1936	89.2	1947	106.2
1926	54.9	1937	103.8	1948	122.2
1927	58.7	1938	109.4	1949	131.7
1928	64.7	1939	118.0	1950	145.4
1929	67.6	1940	125.7	1951	161.8
1930	63.9	1941	132.0	1952	174.7
1931	59.2	1942	129.5	1953	185.8
1932	59.4	1943	116.1	1954	209.7

TABLE 5. Value 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	2,587,891	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	3,609,158	104,300,010	259,114,946	14,345,046
1943	—	29,979,837	3,076,834	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
1950	25,824,047	59,482,173	12,756,975	220,176,517	366,801,525	32,691,173
1951	32,410,443	59,727,256	9,564,617	255,530,071	444,667,203	30,045,992
1952	32,512,313	64,552,383	11,298,960	270,483,962	444,669,412	25,105,045
1953	33,780,622	67,364,408	11,663,618	251,881,781	465,877,093	25,264,112
1954	42,898,033	73,450,898	12,468,322	278,818,070	496,747,571	35,106,922
	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	
1950	35,983,923	135,758,940	138,888,205	8,050,899	9,035,696	
1951	51,032,953	168,144,211	176,278,932	8,288,747	9,793,170	
1952	49,506,094	196,811,654	170,071,244	8,944,835	11,386,451	
1953	48,081,970	248,863,295	158,487,812	10,300,230	14,738,562	
1954	68,216,009	279,042,735	158,630,867	26,414,000	16,588,664	

1. Values of pitchblende products not included from 1941 to 1953.

MINERAL STATISTICS

TABLE 6. Mineral Production of Newfoundland, 1952-1954

Product	1952		1953		1954	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Copper.....	lb.	5,918,288	1,689,079	5,627,461	1,684,862	6,961,165
Gold.....	troy oz.	8,595	294,551	7,654	263,451	6,528
Iron ore.....	short tons	1,653,878	8,668,192	2,686,481	14,201,842	3,758,526
Lead.....	lb.	36,118,414	5,847,571	35,403,172	4,576,214	37,052,168
Silver.....	troy oz.	638,524	533,295	648,389	544,712	742,120
Zinc.....	lb.	61,033,650	10,656,475	56,003,584	6,698,029	60,004,968
Non-metallics:						
Fluorspar.....	tons	81,283	2,484,943	87,693	2,631,698	118,065
Gypsum.....	tons	8,660	54,881	26,531	117,208	26,653
Talc (Pyrophyllite).....	tons	—	—	—	—	9
Structural materials:						
Cement.....	bbl.	126,100	529,750	395,834	1,345,073	403,515
Clay products.....	—	—	29,285	—	39,500	—
Lime.....	tons	436	19,952	160	6,942	—
Sand and gravel.....	tons	1,654,471	936,013	1,908,187	1,023,622	2,105,522
Stone.....	tons	475,704	768,326	391,633	647,469	359,350
Total.....	—	...	32,512,313	...	33,780,622	...
						42,898,033

TABLE 7. Mineral Production of Nova Scotia, 1952-1954

Product	1952		1953		1954	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Copper.....	lb.	766,165	218,663	1,576,360	471,962	1,981,713
Gold.....	troy oz.	1,432	49,109	3,248	111,796	3,754
Lead.....	lb.	1,556,645	252,021	3,652,126	472,074	4,186,143
Silver.....	troy oz.	91,886	76,743	226,225	190,052	262,361
Zinc.....	lb.	8,816,141	1,539,298	14,698,698	1,757,964	16,985,060
Non-metallics:						
Barite.....	tons	135,154	1,507,754	244,349	2,167,447	216,416
Diatomite.....	"	16	834	3	150	4
Gypsum.....	"	2,969,312	4,373,842	3,050,832	5,200,420	3,168,134
Peat moss.....	"	970	29,400	150	5,706	118
Salt.....	"	138,845	1,565,814	127,819	1,272,463	150,589
Silica brick.....	M	2,383	360,296	2,253	399,096	1,208
Fuels:						
Coal.....	tons	5,905,265	51,227,678	5,787,026	51,997,545	5,842,896
Structural materials:						
Clay products.....	—	—	1,221,893	—	1,234,319	—
Sand and gravel.....	tons	1,574,539	1,269,540	1,523,083	1,459,770	1,330,979
Stone.....	"	340,398	859,508	193,101	623,644	9,757,607
Total.....	—	...	64,552,383	...	67,364,408	...
						73,450,898

TABLE 8. Mineral Production of New Brunswick, 1952-1954

Product	1952		1953		1954	
	Quantity	Value	Quantity	Value	Quantity	Value
Non-metallics:		\$		\$		\$
Grindstones.....	tons	42	5,720	15	900	—
Gypsum.....	"	110,183	333,638	120,816	380,570	88,856
Peat moss.....	"	2,400	96,000	8,323	246,946	9,888
Fuels:						
Coal.....	tons	742,823	5,836,736	721,252	5,747,073	781,271
Natural gas.....	M cu. ft.	202,042	150,073	177,112	131,368	183,457
Petroleum.....	bbl.	14,237	19,932	14,738	20,633	13,046
Structural materials:						
Cement.....	bbl.	604,123	1,543,639	823,900	2,104,469	854,808
Clay products.....	—	655,084	—	620,769	—	587,994
Lime.....	tons	19,837	366,457	21,184	430,226	22,533
Sand and gravel.....	"	3,670,289	1,815,576	2,648,235	1,282,421	3,528,318
Stone.....	"	160,944	476,105	987,977	698,243	720,792
Total.....	—	...	11,298,960	...	11,663,618	...
						12,468,322

TABLE 9. Mineral Production of Quebec¹, 1952-1954

Product	1952		1953		1954	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:						
Bismuth	lb.	20,127	27,171	46,068	49,136	33,324
Copper	"	137,691,702	39,297,212	109,839,871	32,886,057	167,860,775
Gold	troy oz.	1,113,204	38,149,501	1,021,698	35,166,845	1,098,570
Iron ingots (remelt)	tons	32,422	1,815,007	107,370	4,064,039	90,562
Iron ore	tons					650,415
Lead	lb.	21,039,859	3,406,353	18,473,850	2,387,930	15,635,942
Magnesium	"	2	2	2	2	2
Molybdenite concentrates(MoS ₂)	"	505,964	409,831	323,907	215,527	752,417
Selenium	"	78,830	256,198	113,533	476,839	135,051
Silver	troy oz.	4,536,247	3,788,673	4,571,373	3,840,410	4,907,304
Tellurium	lb.	—	—	—	—	530
Titanium ore	tons	51	459	9,294	80,085	1,541
Zinc	lb.	189,797,061	33,138,567	200,858,247	24,022,766	214,002,774
Non-metallics:						
Arsenic (As ₂ O ₃)	lb.	119,970	5,399	—	—	—
Asbestos	tons	906,223	85,248,098	684,595	81,000,775	894,129
Feldspar	"	16,645	293,007	18,591	319,146	14,305
Graphite	tons	—	—	—	—	11
Iron oxides (ochre)	"	11,487	194,922	10,308	195,801	5,798
Magnesitic dolomite and brucite	—		2,715,266	—	3,056,392	—
Mica	tons	585	79,544	739	99,080	652
Natural mineral waters	Imp. gal.	309,125	165,593	309,285	165,334	262,078
Peat moss	tons	19,609	405,652	22,021	587,671	27,784
Phosphate	"	—	—	—	—	—
Quartz	"	189,856	583,644	165,706	603,524	83,507
Soapstone and talc	"	12,578	130,901	14,098	160,546	14,437
Sulphur	"	N. A.	1,567,953	169,766	1,211,343	—
Titanium dioxide	"	30,805	1,238,103	100,527	4,206,496	88,408
Structural materials:						
Cement	bbl.	7,272,241	16,838,458	7,400,912	19,232,112	7,541,373
Clay products	—	—	6,645,387	—	8,070,942	6,055,692
Lime	tons	408,522	4,056,100	424,305	4,236,639	445,692
Sand and gravel	"	32,060,910	12,744,630	26,694,125	11,630,462	30,052,887
Stone	"	7,830,976	15,282,133	7,754,248	13,915,864	10,111,361
Total	—	...	270,483,962	...	251,881,781	...
						278,818,070

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

2. Included in magnesitic dolomite, brucite.

TABLE 10. Mineral Production of Ontario, 1952-1954

Product	1952		1953		1954	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:						
Bismuth	lb.	—	—	—	—	—
Calcium	—	—	—	—	—	—
Cobalt	lb.	1,421,923	3,226,903	1,602,545	4,013,077	2,252,965
Copper	"	250,685,175	70,973,056	261,164,653	77,587,439	281,552,361
Gold	troy oz.	2,513,691	86,144,190	2,182,437	75,119,481	2,361,385
Iron ore	short tons	2,717,490	19,632,551	2,832,090	23,137,997	2,416,911
Lead	lb.	1,803,455	291,979	656,755	84,892	2,815,611
Magnesium	—		4,812,368	—	5,295,840	4,101,642
Nickel	lb.	281,117,072	151,349,438	287,385,777	160,430,098	316,019,050
Palladium, rhodium, etc.	troy oz.	157,407	7,559,109	166,018	7,495,409	189,350
Platinum	"	122,315	10,916,614	137,545	12,550,981	154,356
Selenium	lb.	81,578	265,129	92,698	389,332	94,826
Silver	troy oz.	6,491,124	5,421,387	5,154,619	4,330,395	5,443,721
Tellurium	lb.	5,710	9,707	4,525	7,919	7,195
Tungsten concentrates (WO ₃)	lb.	50,734	164,886	48,760	132,685	—
Zinc	lb.	744,920	130,063	171,787	20,546	1,420,048

1. Included with magnesium.

2. Exclusive of metal in ore placed on government stockpile at Deloro, Ontario, but includes any metal reshipped from stockpile.

MINERAL STATISTICS

TABLE 10. Mineral Production of Ontario, 1952-1954 — Concluded

Product	1952		1953		1954	
	Quantity	Value	Quantity	Value	Quantity	Value
Non-metallics:		\$		\$		\$
Arsenic (As_2O_3)	lb.	1,588,381	71,477 ³	1,403,740 ³	56,150	1,180,350
Asbestos	tons	23,096	3,983,815	23,529	4,063,404	21,389
Diatomite (earth)	"	—	—	100	12,000	—
Feldspar	"	3,622	37,628	2,655	28,018	1,791
Fluorspar	"	904	38,465	876	38,887	904
Graphite	"	2,040	255,732	3,466	366,528	2,452
Gypsum	"	278,992	1,060,429	334,495	899,630	357,432
Mica	"	266	111,561	233	59,168	137,208
Natural mineral waters	Imp. gal.	2,370	440	300	150	2,000
Nepheline syenite	tons	82,681	1,111,950	113,345	1,576,271	123,669
Peat (moss)	"	1,939	69,013	1,319	52,535	640
Quartz	"	1,429,807	1,506,532	1,450,770	1,301,048	1,476,745
Salt	"	757,025	4,401,780	749,046	3,919,810	733,066
Silica brick	M	1,161	246,108	1,467	313,175	2,370
Sulphur ²	—	N/A	183,460	—	371,300	—
Talc	tons	12,454	149,711	13,310	125,209	13,697
Fuels:						
Natural gas	M cu. ft.	8,302,190	3,320,876	9,708,969	3,883,588	10,015,818
Peat (fuel)	"	32	320	—	—	6
Petroleum	bbl.	191,814	641,037	299,685	994,835	412,474
Structural materials:						
Cement	bbl.	5,577,025	14,142,060	7,078,181	18,497,744	7,208,061
Clay products	—	—	11,975,200	—	14,829,222	17,230,231
Lime	tons	622,279	6,921,062	659,062	7,714,252	610,591
Sand and gravel	"	43,423,737	23,240,203	43,658,099	24,359,496	46,433,191
Stone	"	8,217,411	10,303,173	8,818,886	11,818,582	10,141,156
Total	—	...	444,669,412	...	465,877,093	...
						496,747,571

1. Includes low-grade silica sand for fluxing purposes.

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

3. Includes some arsenic recovered from foreign ores.

TABLE 11. Mineral Production of Manitoba, 1952-1954

Product	1952		1953		1954	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Metallics:						
Cadmium	lb.	25,229	55,504	30,987	61,974	32,352
Copper	"	18,748,439	5,350,804	18,822,890	5,635,573	24,548,759
Gold	troy oz.	141,947	4,864,524	131,309	4,519,656	134,944
Nickel	lb.	—	—	—	—	6,538,911
Selenium	"	15,852	51,519	10,892	45,746	15,481
Silver	troy oz.	412,149	344,227	429,508	360,830	411,125
Tellurium	lb.	63	107	33	58	74
Zinc	"	30,185,026	5,270,306	31,532,737	3,771,315	32,506,063
Non-metallics:						
Gypsum	tons	130,934	473,841	163,313	414,401	162,037
Peat moss	"	3,042	158,094	2,085	92,433	3,494
Salt	tons	18,113	403,699	18,078	420,631	17,809
Fuels:						
Petroleum, crude	bbl.	104,826	229,299	653,514	1,714,806	2,148,184
Structural materials:						
Cement	bbl.	1,612,795	4,836,604	1,614,301	4,676,137	1,633,389
Clay products	—	—	575,088	—	568,477	—
Lime	tons	46,973	750,009	50,981	787,032	52,178
Sand and gravel	"	3,763,418	1,253,642	4,686,323	1,524,629	4,831,716
Stone	"	240,815	687,778	377,819	670,414	207,556
Total	—	...	25,105,045	...	25,264,112	...
						35,106,922

TABLE 12. Mineral Production of Saskatchewan, 1952-1954

Product	1952		1953		1954	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Cadmium	lb.	89,123	196,070	127,010	254,020	122,244
Copper	"	60,687,296	17,320,154	61,176,869	18,316,355	72,383,656
Gold	troy oz.	93,585	3,207,158	88,327	3,040,215	101,785
Pitchblende, etc.	-	10,981,417
Selenium	lb.	65,770	213,753	45,223	189,937	78,171
Silver	troy oz.	1,179,514	985,130	1,257,622	1,056,528	1,414,370
Tellurium	lb.	262	445	136	238	372
Zinc	"	93,381,238	16,304,364	99,929,241	11,951,537	101,339,521
Non-metallics:						
Quartz ¹	lb.	143,164	50,107	152,786	76,393	155,899
Salt	"	33,540	780,000	35,100	760,082	37,227
Sodium sulphate	"	122,590	1,708,807	115,565	1,681,258	158,417
Fuels:						
Coal	tons	2,083,465	4,004,303	2,021,304	3,834,455	2,116,740
Natural gas	M cu. ft.	1,007,491	100,749	1,422,128	127,992	3,333,077
Petroleum, crude	bbl.	1,696,505	2,256,352	2,797,888	3,833,107	5,422,899
Structural materials:						
Clay products	-	...	711,778	...	742,959	...
Sand and gravel	tons	3,544,602	1,657,919	4,770,368	2,216,894	5,211,429
Total	-	...	49,506,094	...	48,081,970	...
						68,216,009

1. Low-grade silica sand for fluxing purposes.

TABLE 13. Mineral Production of Alberta, 1952-1954

Product	1952		1953		1954	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Gold	fine oz.	111	3,804	65	2,237	195
Silver	"	10	8	6	5	18
Non-metallics:						
Quartz ²	tons	373	7,446	-	-	-
Salt	"	24,380	614,522	24,885	601,515	31,196
Fuels:						
Bituminous sands	tons	-	1	...	1	1
Coal	"	7,194,757	39,908,362	5,917,474	32,110,429	4,859,049
Natural gas	M cu. ft.	79,149,895	5,336,242	89,651,605	6,723,870	107,173,777
Petroleum	bbl.	58,915,723	139,512,432	76,816,383	193,761,644	87,713,855
Structural materials:						
Cement	bbl.	1,886,544	4,765,686	3,098,664	7,915,227	3,052,805
Clay products	-	...	1,964,618	...	2,135,085	...
Lime	tons	30,006	415,348	29,263	430,924	32,599
Sand and gravel	"	5,066,403	3,590,687	7,651,261	5,097,720	7,313,380
Stone	"	22,773	92,499	18,833	84,639	27,017
Total	-	...	196,811,654	...	248,863,295	...
						279,042,735

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

2. Grinding pebbles.

MINERAL STATISTICS

TABLE 14. Mineral Production of British Columbia, 1952-1954

Product	1952		1953		1954	
	Quantity	Value	Quantity ¹	Value	Quantity	Value
Metallics:		\$		\$		\$
Antimony	lb.	2,330,900	601,483	1,488,105	291,862	1,302,333
Bismuth	"	142,246	320,053	71,298	160,421	225,351
Cadmium	"	704,745	1,550,439	721,862	1,443,724	679,331
Copper	"	41,571,132	11,828,103	48,295,970	14,371,494	50,175,613
Gold	troy oz.	273,059	9,357,732	264,976	9,120,474	268,508
Indium	"	404	909	6,752	9,588	477
Iron ore	tons	900,481	5,443,568	991,247	6,763,105	535,746
Lead	lb.	258,789,430	41,894,771	297,634,712	38,472,263	343,535,334
Palladium, rhodium, etc.	-	-	-	-	-	-
Platinum	troy oz.	2	178	-	-	-
Silver	"	7,784,964	6,502,002	9,308,874	7,820,385	10,825,614
Tin	lb.	212,113	253,581	643,254 ²	581,746	333,788
Tungsten (WO ₃)	"	1,434,641	4,307,879	2,395,544	5,556,000	2,170,633
Zinc	"	348,575,941	60,861,359	382,300,862	45,723,183	303,078,331
Non-metallics:						
Asbestos	tons	20	23,000	3,102	988,716	8,598
Arsenic (As ₂ O ₃)	lb.	2	2	2	2	2
Barite	tons	848	13,408	2,878	52,845	5,056
Diatomite	"	12	240	-	-	-
Gypsum	"	92,702	241,443	145,470	387,655	147,310
Mica (schist)	tons	157	3,001	160	2,880	133
Peat moss	"	46,939	1,685,406	47,756	1,657,728	57,348
Perlite	"	-	-	1,112	11,120	-
Quartz	"	19,881	105,771	16,312	89,652	-
Sulphur ³	-	N.A.	2,099,770	...	1,590,055	...
Soapstone, talc	-	-	-	-	-	-
Fuels:						
Coal	tons	1,644,250	9,909,720	1,443,006	8,862,637	1,299,510
Structural materials:						
Cement	bbl.	1,441,710	3,603,273	1,826,543	5,071,260	1,743,526
Clay products	-	-	1,183,195	-	1,536,458	1,696,731
Lime	tons	47,733	1,084,293	43,805	877,998	51,046
Sand and gravel	"	8,137,176	4,830,833	7,494,268	4,890,367	10,153,612
Stone	"	1,437,175	2,365,834	1,306,520	2,154,196	1,443,036
Total	-	...	170,071,244	...	158,487,812	...
						158,630,867

1. Tin content of concentrates.

2. Considerable arsenic is contained in auriferous quartz ores exported. However this is not paid for and data relating to its possible recovery are unobtainable.

3. Includes sulphur content of pyrites shipped and estimated sulphur contained in sulphuric acid and other products made from waste smelter gases.

TABLE 15. Mineral Production of the Northwest Territories and Yukon, 1952-1954

Product	1952		1953		1954	
	Quantity	Value	Quantity	Value	Quantity	Value
Northwest Territories		\$		\$		\$
Metallics:						
Columbium (Cb ₂ O ₅)	lb.	-	-	-	90	2,294
Copper	lb.	6,900	1,969	-	-	-
Gold	troy oz.	247,581	8,484,601	289,929	9,979,356	308,563
Lead	lb.	27,445	4,443	-	-	-
Pitchblende products	-	1	1	1	1	15,486,157
Silver	troy oz.	59,258	49,492	63,592	53,424	59,037
Tantalum (Ta ₂ O ₅)	lb.	-	-	-	77	49,152
Tungsten (WO ₃)	lb.	7,736	15,472	-	-	2,696
Non-metallics:						
Lithia	lb.	-	-	-	17,052	6,300
Fuels:						
Natural gas	M cu. ft.	24,847	9,608	26,109	10,199	29,085
Petroleum, crude	bbl.	314,217	379,160	316,689	257,251	369,837
Total	-	...	8,944,835	...	10,300,230	...
						26,414,000
Yukon						
Metallics:						
Cadmium	lb.	129,490	284,878	238,426	476,852	252,853
Gold	troy oz.	78,519	2,690,846	66,080	2,274,474	82,208
Lead	lb.	18,368,643	2,973,883	31,590,973	4,083,449	33,765,290
Silver	troy oz.	4,028,551	3,364,646	6,639,127	5,577,530	6,992,279
Tungsten (WO ₃)	lb.	-	-	1,704	475	-
Zinc	lb.	11,070,178	1,932,853	18,027,139	2,156,046	23,645,588
Fuels:						
Coal	tons	8,442	139,345	10,611	169,736	14,113
Total	-	...	11,386,451	...	14,738,562	...
						16,588,664

1. Data not available for publication.

TABLE 16. Tonnage of Ore Mined and Rock Quarried in the Canadian Mining Industry, 1950-1954

	1950	1951	1952	1953	1954
Gold-quartz ores	16,984,524	16,548,264	16,496,218	15,247,337	16,178,273
Copper-gold-silver ores	8,758,607	7,380,966	7,773,341	7,438,500	8,501,569
Nickel-copper ores	10,777,859	12,885,445	14,380,684	15,004,102	16,748,709
Silver-cobalt ores	69,437	129,077	180,534	268,837	289,101
Silver-lead-zinc ores	4,826,992	6,317,545	6,759,454	7,539,882	7,272,011
Miscellaneous metals (iron ore, etc.)	4,498,459	5,138,856	6,757,253	8,934,549	10,024,693
Asbestos	12,210,780	12,623,529	12,989,320	13,912,339	14,793,760
Feldspar and nepheline syenite	133,845	232,092	100,663	173,934	175,856
Quartz, exclusive of sand (shipments)	952,093	1,259,791	1,274,196	1,107,999	933,588
Gypsum and anhydrite	3,780,211	3,928,377	3,553,917	3,839,040	4,184,178
Talc and soapstone	33,685	27,047	25,728	28,638	28,120
Iron oxides	20,622	20,505	20,048	24,388	13,985
Other non-metals	522,135	671,974	736,550	665,366	748,266
Stone, all kinds, quarries (exclusive of stone used for cement and lime)	18,087,064	18,676,706	18,726,196	19,849,017	32,767,925
Stone used for the manufacture of cement	4,119,216	4,246,501	4,513,625	5,330,778	5,566,198
Estimated rock for the manufacture of lime	1,928,127	2,164,298	2,131,563	2,163,427	2,154,987
Total (other than coal)	87,703,656	92,250,973	96,419,290	101,528,633	120,381,219

TABLE 17. Yearly Average Prices of Copper, Lead, Zinc and Silver, from 1935
(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 St. Louis	Silver New York
	Yearly average	Yearly average	Yearly average	Yearly average ¹		Yearly average	Yearly average	Yearly average	Yearly average ¹
1935	8.649	4.065	4.328	64.273	1945	11.775	6.500	8.250	51.928
1936	9.474	4.710	4.901	45.087	1946	13.820	8.109	8.726	80.151
1937	13.167	6.009	6.519	44.883	1947	20.958	14.673	10.500	71.820
1938	10.000	4.739	4.610	43.225	1948	22.038	18.043	13.589	74.361
1939	10.965	5.053	5.110	39.082	1949	19.202	15.364	12.144	71.930
1940	11.296	5.179	6.335	34.773	1950	21.235	13.296	13.866	74.169
1941	11.797	5.793	7.474	34.783	1951	24.200	17.500	18.000	89.368
1942	11.775	6.481	8.250	38.333	1952	24.200	16.467	16.215	84.941
1943	11.775	6.500	8.250	44.750	1953	28.798	13.489	10.855	85.188
1944	11.775	6.500	8.250	44.750	1954	29.694	14.054	10.681	85.250

1. 1935-1954 for other than newly-mined domestic.

TABLE 18. Average Annual Metal Prices, in Canadian Dollars, 1935-1954

Year	Gold	Silver	Copper	Lead	Zinc	Year	Gold	Silver	Copper	Lead	Zinc
	Troy oz.	Troy oz.	Pound	Pound ¹	Pound ¹		Troy oz.	Troy oz.	Pound	Pound ²	Pound ²
	\$	\$	\$	\$	\$		\$	\$	\$	\$	\$
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
1940	38.50	0.382	0.101	0.034	0.034	1950	38.05	0.8082	0.2342	0.1445	0.1565
1941	38.50	0.3826	0.101	0.034	0.034	1951	36.85	0.9455	0.277	0.184	0.199
1942	38.50	0.4216	0.101	0.034	0.034	1952	34.27	0.8352	0.2854	0.1619	0.1746
1943	38.50	0.4525	0.1175	0.0375	0.040	1953	34.42	0.8401	0.2994	0.1293	0.1196
1944	38.50	0.430	0.120	0.045	0.043	1954	34.07	0.8326	0.2916	0.1333	0.1198

1. Based on New York; 1933-1942 based on London.

2. Based on London; prices controlled by Government 1939-1947. Based on New York 1947-1950. Montreal prices in 1951-1954.

MINERAL STATISTICS

TABLE 19. Production of Leading Mineral Products, by Months, 1952-1954

No.		Asbestos	Cement	Clay products	Coal	Copper	Gold	Gypsum
	1952	tons	barrels	\$	tons	pounds	ounces	tons
1	January	76,287	857,398	1,395,093	1,980,838	44,863,580	353,573	146,482
2	February	69,036	1,184,013	1,505,150	1,568,384	40,844,987	351,926	161,862
3	March	72,059	1,507,239	1,692,888	1,446,258	44,841,702	364,973	175,006
4	April	81,301	1,584,070	1,542,925	1,278,160	44,105,322	363,375	190,397
5	May	83,358	2,017,682	2,273,633	1,282,386	45,393,242	366,169	292,691
6	June	78,250	1,745,018	2,415,881	1,200,327	41,447,232	359,812	459,038
7	July	69,611	1,877,808	2,433,420	1,182,695	39,801,686	374,037	448,565
8	August	76,659	1,661,071	2,248,694	956,126	42,032,871	371,826	469,775
9	September	85,986	1,673,582	2,590,307	1,457,179	43,211,315	382,177	426,546
10	October	89,405	1,757,796	2,668,156	1,797,434	42,216,445	403,532	384,691
11	November	81,493	1,603,792	2,247,157	1,658,885	42,680,543	388,546	236,019
12	December	65,894	1,051,071	1,948,224	1,770,330	44,636,172	391,779	199,711
13	Total	929,339	18,520,538	24,961,528	17,579,002	516,075,097	4,471,725	3,590,783
	1953							
14	January	69,820	1,036,573	1,789,424	1,790,441	47,648,484	370,132	174,733
15	February	85,337	1,179,271	1,796,541	1,280,095	41,794,426	351,611	167,196
16	March	75,233	1,803,688	2,047,971	1,296,952	48,078,509	378,037	214,064
17	April	82,540	1,972,328	2,196,275	1,128,964	44,394,870	368,609	232,799
18	May	82,474	2,251,114	2,618,042	1,111,891	44,598,138	367,450	308,461
19	June	82,805	2,192,700	2,722,243	1,127,404	44,220,731	361,197	393,024
20	July	73,076	2,187,370	2,879,304	1,073,590	45,601,755	367,205	477,279
21	August	72,752	2,014,200	2,597,772	832,470	42,874,720	327,680	587,961
22	September	77,844	2,213,215	2,907,590	1,323,091	39,201,564	333,587	444,117
23	October	80,713	2,107,809	3,035,825	1,651,286	38,046,927	283,948	344,093
24	November	84,238	2,051,141	2,848,066	1,631,015	34,512,601	272,389	296,295
25	December	64,394	1,226,926	2,338,678	1,653,474	35,531,349	273,678	201,435
26	Total	911,226	22,238,335	29,777,731	15,900,673	506,504,674	4,035,723	3,841,457
	1954							
27	January	56,800	889,594	1,699,694	1,626,528	34,760,959	294,000	169,182
28	February	61,629	1,186,065	1,886,123	1,376,087	37,019,796	311,653	191,925
29	March	74,775	1,761,196	2,336,470	1,267,600	53,407,117	369,350	183,692
30	April	82,950	1,835,407	2,122,501	1,121,486	55,245,661	357,839	226,302
31	May	79,709	2,303,697	2,740,313	972,539	55,854,096	383,556	372,045
32	June	78,960	2,592,344	3,327,262	1,068,506	52,230,151	377,274	454,633
33	July	70,383	2,558,313	3,369,334	870,125	53,198,403	380,885	449,783
34	August	80,783	2,304,809	3,289,747	796,465	53,624,165	369,434	475,657
35	September	90,834	2,079,125	3,175,773	1,258,368	47,544,822	373,810	452,828
36	October	88,610	1,956,985	3,022,761	1,416,937	54,585,157	378,887	474,964
37	November	87,443	1,904,811	3,024,104	1,590,522	52,643,755	385,350	291,409
38	December	71,240	1,065,131	2,366,016	1,548,416	55,349,960	384,402	208,002
39	Total	924,116	22,437,477	32,360,098	14,913,579	605,464,042	4,366,440	3,950,422

TABLE 19. Production of Leading Mineral Products, by Months, 1952-1954

Iron ore	Lead	Lime	Natural gas	Nickel	Petroleum	Salt	Silver	Zinc	No.
tons	pounds	tons	M cu. ft.	pounds	barrels	tons	ounces	pounds	
163,941	30,543,503	100,340	10,201,550	23,624,961	3,979,624	83,076	1,803,848	60,447,513	1
85,817	22,144,324	96,411	8,410,390	21,437,828	3,409,520	80,281	2,022,126	55,709,729	2
68,260	31,045,306	98,715	8,654,030	24,762,825	3,622,015	73,423	2,085,986	58,462,064	3
206,468	29,095,248	99,047	6,866,351	24,635,085	3,918,377	73,433	2,521,864	59,681,832	4
570,257	27,539,240	96,164	6,159,023	24,825,070	5,587,190	77,163	2,274,279	64,218,579	5
646,665	22,344,695	93,700	5,626,924	25,126,029	5,399,466	86,196	1,907,137	64,169,239	6
902,912	22,919,590	93,312	5,427,515	20,852,376	5,833,134	80,306	1,831,089	69,405,290	7
702,914	27,211,110	90,739	5,542,445	23,949,484	5,999,214	82,656	2,214,798	65,168,449	8
681,090	28,976,168	103,099	5,904,985	21,964,946	5,947,922	80,729	1,817,435	60,404,041	9
521,928	33,281,962	105,959	7,102,107	23,545,478	6,145,986	99,089	1,857,118	64,155,203	10
442,037	25,769,461	100,838	8,705,522	22,762,699	5,578,575	81,000	2,421,617	57,504,841	11
278,560	36,813,284	97,462	10,085,623	23,630,291	5,816,299	74,551	2,464,930	64,277,375	12
5,271,849	337,683,891	1,175,786	88,686,465	281,117,072	61,237,322	971,903	25,222,227	743,604,155	13
220,982	38,134,135	98,589	11,921,886	25,033,291	5,287,552	80,125	2,441,898	65,341,691	14
226,523	33,476,444	88,659	9,245,963	21,323,949	4,767,993	69,206	2,240,200	66,923,239	15
176,529	28,305,349	101,372	9,589,577	24,535,699	5,000,214	72,412	2,470,626	73,952,371	16
328,193	36,979,309	103,961	8,511,119	23,681,904	5,389,750	74,219	3,064,215	66,817,512	17
762,846	31,930,751	108,694	7,058,043	23,219,384	6,133,857	84,561	2,514,756	66,731,448	18
740,421	30,343,800	106,332	6,011,037	23,393,455	6,809,331	79,691	2,496,972	68,090,612	19
869,373	23,810,792	102,246	5,516,752	23,602,073	8,064,582	76,025	2,360,535	68,236,003	20
787,860	27,427,595	90,640	5,745,640	23,823,121	8,298,877	82,518	2,018,386	65,807,563	21
800,405	28,370,267	101,708	6,688,895	24,061,281	8,235,354	85,977	2,061,302	67,318,731	22
700,717	32,153,995	113,350	8,153,476	24,938,447	7,237,219	83,594	2,087,659	69,505,152	23
582,314	38,338,728	112,369	10,254,017	25,528,254	7,596,487	83,291	2,206,688	61,548,430	24
313,655	38,090,423	100,840	12,289,518	24,244,919	8,097,681	83,309	2,336,098	63,250,543	25
6,509,818	387,411,588	1,228,760	100,985,923	287,385,777	80,898,897	954,928	28,299,335	803,523,295	26
237,105	35,422,934	90,606	15,078,439	25,529,066	8,020,985	77,421	2,603,593	54,192,617	27
115,184	33,826,440	94,611	11,190,860	23,748,884	7,617,112	73,845	2,068,740	50,671,167	28
64,045	34,198,553	100,903	11,887,456	27,237,787	6,192,870	73,689	2,352,392	58,272,111	29
132,950	38,894,932	96,043	10,425,699	26,029,230	5,377,799	75,751	2,745,615	63,575,220	30
552,589	39,897,113	107,402	8,393,004	26,916,596	7,162,693	77,569	2,564,919	60,800,308	31
654,174	38,135,833	109,679	7,419,045	26,537,691	7,869,298	79,712	2,769,694	60,246,120	32
830,099	37,165,394	102,787	6,744,214	25,802,801	9,182,320	76,377	2,717,859	64,722,736	33
992,271	36,787,616	101,169	6,920,083	26,855,764	9,136,216	80,617	2,840,385	65,643,359	34
1,410,216	34,634,054	99,153	7,475,150	27,042,487	8,864,351	77,617	2,804,384	62,990,681	35
1,337,961	33,241,463	106,102	10,195,984	28,645,824	8,720,081	88,793	2,461,823	70,026,151	36
851,382	36,610,469	109,652	11,382,133	28,317,665	8,292,067	91,266	2,823,719	69,154,965	37
133,382	38,175,687	96,732	13,623,147	29,894,166	9,644,550	97,230	2,364,826	72,686,918	38
7,361,598	436,990,488	1,214,839	120,735,214	322,557,961	96,080,345	969,887	31,117,949	752,982,353	39

MINERAL STATISTICS

TABLE 20. Principal Statistics of the Mineral Industry, by Industries, 1950-1954

Year	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost of process supplies and containers	Gross ¹ value of production	Net ² value of production					
						No.	No.					
Metal Mining Industries												
Alluvial gold mines												
1950	58	411	1,598,875	112,071	371,015	4,144,531	3,612,183					
1951	47	362	1,553,103	44,678	507,830	3,572,516	2,951,342					
1952	39	361	1,638,672	33,298	417,153	3,181,730	2,662,952					
1953	56	306	1,372,504	75,791	133,607	2,137,321	1,878,280					
1954	62	351	1,619,460	146,300	253,128	3,051,665	2,575,038					
Auriferous quartz mines												
1950	281	22,491	64,533,114	7,873,963	24,715,152	144,044,607	108,840,362					
1951	211	22,126	68,739,531	7,791,586	26,677,361	136,703,452	100,059,503					
1952	216	20,757	69,004,828	7,591,979	25,574,869	134,996,056	100,083,506					
1953	173	18,751	60,920,362	6,876,895	22,670,232	122,381,725	91,408,605					
1954	157	18,479	63,578,156	6,967,528	23,639,788	127,644,959	95,627,104					
Copper-gold-silver-mines												
1950	56	7,554	23,489,366	2,204,694	9,340,643	121,853,818	83,181,924					
1951	82	6,223	21,545,660	2,085,608	8,257,819	123,162,228	92,331,995					
1952	98	7,210	26,711,225	2,358,920	10,917,464	115,667,391	80,668,817					
1953	84	7,476	27,582,448	2,887,253	9,447,227	100,852,281	68,881,908					
1954	118	7,837	29,791,332	3,148,808	10,232,701	105,893,976	70,814,052					
Silver-cobalt mines												
1950	20	364	883,281	99,966	205,963	2,940,146	2,308,313					
1951	22	514	1,406,783	148,661	299,084	4,539,842	3,640,343					
1952	19	696	2,161,894	279,709	474,033	4,770,635	3,556,365					
1953	14	739	2,204,274	301,197	423,963	4,623,407	3,235,991					
1954	15	808	2,614,266	273,024	466,390	5,294,499	4,103,360					
Silver-lead-zinc mines												
1950	112	5,939	17,632,755	2,321,122	6,465,099	122,718,491	85,845,970					
1951	168	9,324	30,380,859	3,090,958	10,382,057	185,692,981	131,909,215					
1952	177	10,331	37,643,614	4,417,393	10,192,616	165,126,784	104,937,002					
1953	143	7,144	28,695,473	3,836,581	10,074,160	123,803,184	67,898,350					
1954	124	6,386	24,847,011	3,488,018	9,927,474	136,256,758	78,077,960					
Nickel-copper mines												
1950	10	7,713	25,313,838	1,144,518	6,769,958	53,942,530	46,028,054					
1951	11	9,831	34,974,971	1,541,642	8,640,427	64,352,735	54,170,666					
1952	22	10,820	42,151,955	1,037,910	10,080,061	71,740,630	59,694,630					
1953	32	11,511	47,596,673	2,359,492	12,413,362	81,173,678	64,973,869					
1954	37	11,244	48,142,987	3,054,201	12,877,338	94,467,073	74,891,033					
Miscellaneous metal mines												
1950	16	3,225	8,578,969	1,387,828	3,272,336	23,646,960	15,108,311					
1951	31	3,891	12,251,755	1,864,309	3,299,651	31,474,736	21,765,843					
1952	47	5,163	18,370,772	2,582,194	5,758,407	39,643,078	25,523,464					
1953	54	5,784	23,023,639	3,132,808	6,907,890	51,076,472	35,136,282					
1954	180	6,494	24,603,658	3,553,358	10,174,222	83,379,952	66,138,130					
Total Metal Mining												
1950	553	47,697	142,030,198	15,144,462	51,140,166	473,291,083	344,924,917					
1951	572	52,271	170,852,662	16,567,442	58,064,229	549,498,490	406,828,912					
1952	618	55,338	197,682,960	19,201,403	63,414,653	535,126,304	377,127,346					
1953	556	51,711	191,395,373	19,470,017	62,075,441	486,048,068	333,413,315					
1954	693	51,599	195,196,870	20,651,237	67,571,041	555,991,882	392,226,573					

1. See footnote at end of table.

2. Gross value, less the cost of fuel, electricity, process supplies, containers, freight and treatment charges.

Note. The number of producing metal mines was as follows: in 1950 - 254; in 1951 - 245; in 1952 - 242; in 1953 - 230; in 1954 - 260.

TABLE 20. Principal Statistics of the Mineral Industry, by Industries, 1950-1954 - Continued

Year	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost of process supplies and containers	Gross ¹	Net value ² of production						
						No.							
Metal Mining Industries — Concluded													
Smelting and refining													
1950	17	19,863	58,748,362	38,473,238	428,697,787 ³	669,882,806	202,711,781						
1951	17	22,814	75,474,505	44,684,200	553,658,941 ³	861,315,930	262,972,789						
1952	18	24,608	87,964,295	50,571,452	519,781,231 ³	837,074,065	266,721,382						
1953	18	25,115	94,545,611	52,594,155	508,116,759 ³	870,918,142	310,207,228						
1954	22	26,048	102,595,970	55,225,387	515,315,655 ³	922,578,998	352,037,956						
Total Metals													
1950	570	67,560	200,778,560	53,617,700	479,837,963	See note at end of table	547,636,698						
1951	589	75,085	246,327,167	61,251,642	611,723,170		669,801,701						
1952	636	79,946	285,647,255	69,772,855	583,198,884		643,848,728						
1953	574	76,826	285,940,984	72,064,172	570,192,200		643,620,543						
1954	715	77,647	297,792,840	75,876,624	582,886,696		744,264,529						
Non-metal Mining Industries													
Asbestos													
1950	19	5,552	15,848,829	2,560,476	7,707,111	85,908,396	55,640,809						
1951	24	5,923	20,024,208	2,988,149	10,085,645	81,624,009	68,550,215						
1952	23	6,318	23,625,431	3,092,959	10,044,266	89,295,426	76,158,201						
1953	24	8,482	24,567,463	3,783,653	10,305,046	86,078,924	71,990,225						
1954	25	6,563	24,850,100	4,130,806	9,924,166	86,441,436	72,386,464						
Feldspar, quartz and nepheline syenite													
1950	36	476	1,056,129	179,445	183,123	3,021,555	2,553,587						
1951	33	532	1,402,294	263,586	335,049	3,926,523	3,184,952						
1952	34	426	1,251,943	266,517	261,514	3,704,425	3,044,081						
1953	33	431	1,358,308	245,160	255,741	4,010,191	3,375,154						
1954	29	377	1,193,766	204,695	290,080	3,662,181	3,107,993						
Gypsum													
1950	13	1,004	2,412,698	497,889	1,277,538	6,710,564	4,935,137						
1951	13	1,018	2,648,803	455,915	1,704,669	5,881,546	3,720,962						
1952	14	1,061	2,979,091	517,859	1,843,824	6,538,074	4,176,391						
1953	14	954	2,891,848	371,362	1,687,846	7,399,884	5,340,676						
1954	14	932	2,929,829	355,302	1,811,188	7,095,779	4,929,289						
Iron oxides (ochres)													
1950	6	44	70,404	23,405	3,049	262,632	225,272						
1951	5	43	87,283	22,896	3,651	262,277	219,852						
1952	4	45	93,423	25,166	840	194,922	153,055						
1953	4	37	83,095	23,776	2,250	195,801	152,958						
1954	3	31	67,564	21,822	3,904	186,856	150,871						
Mica													
1950	26	100	136,727	18,620	28,768	252,611	205,223						
1951	31	138	182,033	14,580	18,148	447,650	414,922						
1952	28	115	168,176	15,674	19,140	194,106	159,292						
1953	44	105	152,284	14,811	11,540	161,128	134,777						
1954	32	44	59,194	7,778	6,154	85,139	71,207						
Peat													
1950	39	1,116	1,530,866	113,558	653,552	2,868,202	2,101,092						
1951	37	859	1,247,619	111,047	720,387	3,149,444	2,318,010						
1952	36	1,042	1,601,825	97,671	835,269	3,257,357	2,324,417						
1953	36	955	1,579,715	118,127	866,870	3,432,093	2,447,096						
1954	40	880	1,736,002	141,004	999,791	3,965,572	2,824,777						

¹ See footnote at end of table.² Gross value, less the cost of fuel, electricity, process supplies, containers, freight and treatment charges.³ Cost of ores and concentrates are included in smelting and refining data and in total metals.

MINERAL STATISTICS

TABLE 20. Principal Statistics of the Mineral Industry, by Industries, 1950-1954 - Continued

Year	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost of process supplies and containers	Gross ¹ value of production	Net value ² of production					
						No.	No.					
Non-metal Mining Industries - Concluded												
Salt												
1950	13	643	1,521,593	837,453	1,343,157	8,100,113	5,919,503					
1951	12	689	1,633,222	973,257	1,596,119	9,201,265	6,631,889					
1952	12	651	1,907,219	1,045,911	2,014,335	9,056,079	5,995,833					
1953	12	676	1,957,318	959,927	1,866,106	8,405,789	5,579,756					
1954	13	669	2,067,424	758,120	1,944,611	9,854,135	7,151,404					
Talc and soapstone												
1950	6	58	116,547	27,550	27,465	364,635	297,860					
1951	3	50	109,522	25,474	32,530	305,338	242,383					
1952	3	54	117,144	24,430	48,852	303,118	228,924					
1953	3	54	132,934	32,707	30,608	308,497	245,182					
1954	4	53	134,437	35,545	65,209	389,048	288,294					
Miscellaneous non-metal mines												
1950	42	1,121	2,640,013	1,048,111	797,858	6,709,579	4,821,324					
1951	39	1,359	3,695,789	1,471,290	1,063,878	8,914,360	6,209,886					
1952	42	1,535	4,257,845	1,327,929	1,169,297	9,299,130	6,679,777					
1953	40	1,405	4,168,645	1,261,364	1,161,201	9,987,665	7,505,860					
1954	47	1,343	4,839,822	1,419,441	1,202,247	10,421,552	7,716,472					
Total Non-metal Mining Industries												
1950	200	10,116	25,333,806	5,306,507	12,021,621	94,198,287	76,699,807					
1951	197	10,611	31,034,773	6,326,194	15,560,076	113,712,412	91,493,071					
1952	196	11,247	36,002,097	6,414,116	16,237,337	121,842,637	98,919,971					
1953	210	11,099	36,891,610	6,810,887	16,187,208	119,975,972	96,771,684					
1954	207	10,892	37,878,138	7,074,513	16,247,350	122,101,698	98,626,771					
Fuels Industries												
Coal												
1950	363	23,418	60,938,980	4,362,263	10,102,653	110,140,399	95,675,483					
1951	315	22,647	63,127,966	4,678,302	11,869,165	109,038,835	92,491,368					
1952	271	21,754	66,028,224	5,405,040	13,554,188	111,026,149	92,066,921					
1953	241	19,847	59,350,290	5,969,108	12,177,328	102,721,875	84,575,439					
1954	223	18,050	53,650,045	4,932,772	10,698,535	96,600,266	80,968,959					
Natural gas												
1950	3,991	2,618	5,703,524	130,504	55,676	6,444,215	6,258,035					
1951	3,985	2,658	6,491,234	126,301	48,583	6,691,223	6,516,339					
1952	4,132	2,573	7,296,092	95,722	240,944	5,854,051	5,517,385					
1953	3,688	2,769	8,073,532	291,366	45,911	6,856,501	6,519,224					
1954	3,572	2,887	8,864,662	287,009	69,395	8,286,809	7,930,405					
Petroleum												
1950	3,849	2,417	7,848,539	660,753	1,053,348	84,595,945	82,881,844					
1951	4,761	3,185	11,518,781	1,110,966	2,099,527	116,365,729	113,155,236					
1952	5,833	3,702	14,610,821	1,911,794	2,502,154	139,596,851	135,182,903					
1953	7,506	4,150	16,430,201	2,447,173	3,020,756	204,481,012	199,013,083					
1954	8,562	3,870	15,756,455	2,848,332	4,095,789	241,854,366	240,910,245					
Total Fuels												
1950	8,203	28,453	74,491,043	5,153,520	11,211,677	201,180,559	184,815,362					
1951	9,061	28,490	81,137,981	5,915,569	14,017,275	232,098,787	212,162,943					
1952	10,236	28,029	87,935,137	7,412,556	16,297,286	256,477,051	232,767,209					
1953	11,435	26,766	83,854,023	8,707,647	15,243,995	314,059,388	290,107,746					
1954	12,357	24,807	78,271,162	8,068,113	14,863,719	352,741,441	329,809,609					

1. See footnote at end of table.

2. Gross value, less the cost of fuel, electricity, process supplies, containers, freight and treatment charges.

TABLE 20. Principal Statistics of the Mineral Industry, by Industries, 1950-1954 — Concluded

Year	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost of process supplies and containers	Gross value of production	Net value of production	Clay Products and Other Structural Materials								
								No.	No.	\$	\$	\$	\$	\$	\$	\$
Clay products																
1950	134	3,663	8,583,912	3,978,525	676,729	21,790,888	17,135,634									
1951	129	3,737	9,731,657	4,414,072	794,483	23,527,656	18,319,101									
1952	133	3,568	9,812,214	4,276,092	840,756	24,961,528	19,844,680									
1953	125	3,719	10,833,628	4,843,283	799,534	29,777,731	24,134,914									
1954	125	3,929	12,112,490	5,253,397	770,415	32,360,098	26,336,286									
Cement																
1950	8	1,781	5,235,735	8,605,095	6,535,552	38,200,513	23,091,104									
1951	10	1,931	6,242,900	9,068,296	7,324,048	43,023,845	26,631,501									
1952	11	2,239	7,849,057	9,754,104	8,611,572	51,029,930	32,664,254									
1953	11	2,391	8,873,694	11,327,001	10,472,651	62,227,924	40,428,272									
1954	12	2,575	9,802,707	11,576,516	10,667,304	62,196,947	39,953,127									
Lime																
1950	43	1,133	2,760,960	3,263,360	789,328	12,826,921	8,774,233									
1951	44	1,096	3,053,802	3,358,701	921,266	14,670,197	10,390,230									
1952	42	1,005	3,145,246	3,420,265	1,014,769	14,219,453	9,784,399									
1953	42	1,057	3,278,434	3,387,340	1,221,547	15,209,107	10,600,220									
1954	40	1,012	3,349,881	3,382,054	1,295,963	15,488,731	10,810,714									
Sand and gravel																
1950	7,348	4,120	8,712,440	1,572,601	334,844	36,434,759	34,527,314									
1951	7,591	4,060	10,414,559	1,793,551	516,258	44,627,559	42,317,750									
1952	8,210	4,185	12,354,505	1,916,607	756,638	51,339,043	48,665,798									
1953	7,623	4,377	13,253,953	2,165,707	1,360,545	53,485,401	49,959,149									
1954	7,891	4,437	13,717,851	2,371,970	712,905	58,987,671	55,902,796									
Stone																
1950	589	3,562	7,548,241	1,595,111	2,019,474	25,895,357	22,280,772									
1951	536	3,861	9,218,694	1,915,948	2,761,374	28,649,768	23,972,446									
1952	493	3,897	10,230,640	2,022,599	2,853,477	30,835,356	25,959,280									
1953	488	3,803	10,139,192	1,791,797	2,896,537	30,613,051	25,924,717									
1954	557	4,146	12,380,804	2,307,791	3,354,439	39,857,134	34,194,904									
Total Clay Products and Other Structural Materials																
1950	8,122	14,259	32,841,288	19,014,692	10,324,689	135,148,438	105,809,057									
1951	8,310	14,685	38,661,612	20,550,568	12,317,429	154,499,025	121,631,028									
1952	8,889	14,894	43,301,662	21,389,667	14,077,232	172,385,310	136,918,411									
1953	8,289	15,347	46,378,901	23,515,128	16,750,814	191,313,214	151,047,272									
1954	8,625	16,099	51,363,733	24,891,728	16,801,026	208,890,581	167,197,827									
GRAND TOTAL OF ALL INDUSTRIES																
1950	17,095	120,388	333,444,697	83,092,419	513,395,940		914,960,924									
1951	18,157	128,871	397,161,533	94,043,973	653,617,950	See note below	1,095,088,743									
1952	19,957	134,116	452,976,151	104,989,194	629,807,739		1,112,454,319									
1953	20,508	130,038	453,065,518	111,097,834	518,374,217		1,181,547,115									
1954	21,904	129,445	463,305,873	115,910,978	630,798,791		1,339,898,736									

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 15 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 15) the output is measured at the smelter stage.

Because of the inclusion of figures for the non-ferrous smelting and refining industry there would be considerable duplication in the overall gross value of production. Excluding smelters and refineries, the gross value of production for the mineral industries was as follows: in 1950—\$903,818,367; in 1951—\$1,049,805,714; in 1952—\$1,085,831,302; in 1953—\$1,111,400,642; in 1954—\$1,239,722,602.

MINERAL STATISTICS

TABLE 21. Principal Statistics of the Mineral Industry, by Provinces, 1950-1954

Year	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost of process supplies, ores and containers	Net value of production ¹						
							No.	No.	\$	\$	\$	\$
Newfoundland												
1950	880	3,558	7,763,217	765,790	1,556,285	20,162,905						
1951	769	4,114	10,984,035	963,243	1,882,280	25,331,153						
1952	783	4,585	13,835,288	1,273,712	2,276,278	20,900,527						
1953	903	4,541	15,567,726	1,373,014	3,421,914	22,003,003						
1954	935	4,239	14,453,655	1,407,014	3,888,315	30,904,242						
Nova Scotia												
1950	663	13,364	34,698,277	2,943,478	6,690,416	50,180,271						
1951	615	13,799	37,388,122	3,003,049	7,960,007	49,170,075						
1952	621	13,578	40,857,352	3,455,524	9,328,800	51,711,623						
1953	540	13,037	39,236,701	4,473,814	9,600,075	53,075,567						
1954	550	12,899	38,482,669	3,967,225	9,844,944	59,111,757						
New Brunswick												
1950	435	1,804	3,631,388	650,836	596,486	11,567,022						
1951	383	1,526	3,283,050	721,627	808,394	8,086,367						
1952	379	1,596	4,096,170	1,243,073	1,068,316	9,165,231						
1953	383	1,755	4,545,645	1,375,329	1,299,981	9,276,970						
1954	453	1,930	5,080,813	1,483,688	1,288,379	9,992,761						
Quebec												
1950	3,935	27,909	74,652,149	33,522,911	188,111,889	237,957,690						
1951	4,288	30,349	92,213,392	39,715,036	224,166,813	270,477,503						
1952	4,867	33,010	108,515,942	43,798,324	214,044,898	299,378,307						
1953	4,059	33,095	113,001,528	46,850,801	236,547,438	298,136,878						
1954	4,186	33,784	118,958,503	48,597,456	240,256,827	340,569,396						
Ontario												
1950	6,719	39,549	114,370,430	29,830,391	164,962,410	298,002,994						
1951	6,832	43,451	138,056,626	32,820,993	208,388,799	365,526,388						
1952	6,870	44,172	154,267,119	34,962,169	215,872,103	360,214,198						
1953	6,436	44,427	159,013,933	36,933,349	231,583,693	380,609,197						
1954	6,389	44,872	166,924,014	38,990,938	250,260,905	406,749,120						
Manitoba												
1950	168	2,776	8,569,746	2,665,038	18,755,381	23,499,082						
1951	218	2,632	9,091,188	2,612,672	20,604,300	23,181,449						
1952	274	3,336	12,946,522	2,795,214	14,201,053	16,986,904						
1953	321	2,793	10,794,413	2,433,900	11,725,887	17,757,044						
1954	551	2,831	10,885,823	2,656,241	7,549,980	26,672,764						

1. Gross value less cost of fuel, electricity, process supplies, containers, ores, freight and treatment charges.

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

TABLE 21. Principal Statistics of the Mineral Industry, by Provinces, 1950-1954 — Concluded

Year	Establishments	Employees	Earnings	Cost of fuel and electricity ¹	Cost of process supplies, ores and containers	Net value of production						
							No.	No.	\$	\$	\$	\$
Saskatchewan												
1950	524	2,729	8,605,454	1,671,885	23,910,150	29,834,220						
1951	517	2,930	10,891,010	2,411,857	35,844,152	42,577,100						
1952	761	2,113	8,024,308	2,715,741	27,120,228	40,505,709						
1953	1,197	2,955	11,346,088	3,104,617	29,822,996	36,416,822						
1954	1,597	3,607	15,181,543	3,906,294	15,134,774	57,903,741						
Alberta												
1950	2,626	12,135	32,755,745	3,106,821	5,769,354	127,271,937						
1951	3,493	12,198	37,095,311	3,633,212	7,464,431	156,633,663						
1952	4,387	12,107	39,677,562	4,669,767	8,696,897	177,256,475						
1953	5,598	11,313	37,555,287	5,056,995	8,390,279	236,186,969						
1954	6,150	10,069	34,228,685	5,310,891	9,934,659	266,839,682						
British Columbia												
1950	1,044	15,076	42,562,240	6,798,020	101,875,804	102,530,283						
1951	981	16,273	51,117,166	6,972,449	144,989,314	140,575,198						
1952	956	17,820	62,223,703	8,631,530	135,172,095	121,282,853						
1953	1,008	14,488	53,928,687	8,026,578	84,307,476	111,129,794						
1954	1,021	13,420	52,079,596	8,048,365	89,301,415	108,639,931						
Northwest Territories												
1950	80	884	3,249,770	845,272	731,895	6,377,212 ²						
1951	35	904	3,822,078	848,438	879,252	6,466,033 ²						
1952	37	959	4,106,791	860,602	1,144,090	6,736,867 ²						
1953	41	791	3,686,321	767,076	769,909	8,675,331 ²						
1954	40	837	4,026,418	730,497	961,253	24,565,743						
Yukon												
1950	22	604	2,586,281	291,977	435,670	7,597,298						
1951	26	695	3,219,555	341,397	630,208	7,063,914						
1952	24	840	4,425,394	583,538	882,981	8,315,635						
1953	22	843	4,389,189	702,359	904,569	8,279,670						
1954	33	957	5,004,154	812,369	2,377,340	7,949,599						
Canada												
1950	17,095	120,388	333,444,697	83,092,419	513,395,940	914,960,924						
1951	18,157	128,871	397,161,533	94,043,973	653,617,950	1,095,088,743						
1952	19,958	134,116	452,976,151	104,989,194	629,807,739	1,112,454,319						
1953	20,508	130,038	453,063,518	111,097,834	618,374,217	1,181,547,245						
1954	21,904	129,445	465,305,873	115,910,978	630,798,791	1,339,898,736						

1. Includes fuel and electricity used for metallurgical purposes.

2. Data on pitchblende not included.

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

TABLE 22. Employees and their Earnings in the Mineral Industry, by Industries, 1954

Industry	Number of employees					Number of man-hours worked (all employees)	Earnings			
	Office and administrative		Workmen		Total ¹		Office and administrative	Workmen	Total	
	Male	Female	Male	Female						
Metal mining:								\$	\$	
Alluvial gold.....	11	—	330	10	351	799,744	35,851	1,583,609	1,619,460	
Auriferous quartz.....	1,734	166	16,490	89	18,479	43,007,329	8,759,284	54,818,872	63,578,156	
Copper-gold-silver.....	991	162	6,609	75	7,837	17,341,735	5,609,114	24,182,218	29,791,332	
Silver-cobalt.....	113	15	677	3	808	1,772,748	363,338	2,250,928	2,614,266	
Silver-lead-zinc.....	899	82	5,318	87	6,386	14,400,821	4,468,140	20,378,871	24,847,011	
Nickel-copper.....	918	46	10,271	9	11,244	21,941,583	5,649,460	42,493,527	48,142,987	
Miscellaneous metals.....	685	97	5,663	49	6,494	13,333,113	3,086,429	21,517,229	24,603,658	
Smelting and refining.....	3,604	578	21,817	49	26,048	56,970,642	20,171,958	82,424,012	102,595,970	
Total metal.....	8,935	1,146	67,175	371	77,647	169,567,715	48,143,574	249,649,266	297,792,840	
Non-metallics:								\$	\$	
Asbestos.....	799	104	5,626	34	6,563	13,846,938	4,022,507	20,827,593	24,850,100	
Feldspar and quartz.....	49	9	313	6	377	800,373	208,691	985,075	1,193,768	
Gypsum.....	72	8	848	4	932	2,188,129	295,208	2,634,621	2,929,829	
Iron oxides.....	2	1	28	—	31	55,327	9,861	57,903	67,564	
Mica.....	1	1	36	6	44	77,423	3,550	55,644	59,194	
Peat.....	36	17	802	25	880	1,432,578	177,767	1,558,235	1,738,002	
Salt.....	107	23	489	50	669	1,380,647	510,402	1,557,022	2,067,424	
Talc and soapstone.....	7	1	45	—	53	138,690	30,881	103,556	134,437	
Miscellaneous.....	145	17	1,177	4	1,343	2,984,543	574,756	4,265,066	4,839,822	
Total non-metallic.....	1,218	181	9,364	129	10,892	22,904,648	5,833,423	32,044,715	37,878,138	
Fuels:								\$	\$	
Coal.....	1,514	51	16,485	—	18,050	33,320,808	5,165,973	48,484,072	53,650,045	
Natural gas.....	429	259	2,161	38	2,887	6,762,532	2,038,847	6,825,815	8,864,562	
Petroleum.....	855	194	2,782	39	3,870	10,013,487	4,757,441	10,999,014	15,756,455	
Total fuels.....	2,798	504	21,428	77	24,807	50,096,827	11,962,261	66,308,901	78,271,162	
Structural materials:								\$	\$	
Cement.....	211	23	2,338	3	2,575	5,655,005	1,040,518	8,762,189	9,802,707	
Clay products.....	214	42	3,593	80	3,929	9,209,403	1,044,295	11,068,195	12,112,490	
Lime.....	82	17	911	2	1,012	2,538,012	404,252	2,945,629	3,349,881	
Sand and gravel.....	282	62	4,078	15	4,437	12,248,930	1,129,429	12,588,422	13,717,851	
Stone.....	312	37	3,793	4	4,146	9,954,575	1,196,583	11,184,221	12,380,804	
Total structural.....	1,101	181	14,713	104	16,099	39,605,925	4,815,077	46,548,636	51,363,733	
Total mineral industry.....	14,072	2,012	112,680	681	129,445	282,175,115	70,754,335	394,551,538	463,305,873	

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

TABLE 23. Employees and their Earnings in the Mineral Industry, by Provinces, 1954

Province	Number of employees					Number of man-hours worked (all employees)	Earnings			
	Office and administrative		Workmen		Total		Office and administrative	Workmen	Total	
	Male	Female	Male	Female						
Newfoundland.....	303	45	3,862	29	4,239	9,124,059	1,498,339	12,955,316	14,453,655	
Nova Scotia.....	1,010	28	11,835	26	12,899	26,222,855	3,198,415	35,284,254	38,482,669	
New Brunswick.....	110	19	1,770	31	1,930	4,322,943	511,583	4,569,230	5,080,813	
Quebec.....	3,887	491	29,303	103	33,784	79,082,843	18,703,436	100,255,067	118,958,503	
Ontario.....	4,362	718	39,628	164	44,872	95,763,643	23,143,860	143,780,154	166,924,014	
Manitoba.....	328	63	2,403	37	2,831	6,375,801	1,817,463	9,068,360	10,885,823	
Saskatchewan.....	635	107	2,846	19	3,607	8,719,780	3,285,329	11,896,214	15,181,543	
Alberta.....	1,357	247	6,380	85	10,069	20,220,294	6,670,865	27,557,820	34,228,685	
British Columbia.....	1,839	278	11,130	173	13,420	27,770,488	10,550,121	41,529,475	52,079,598	
Northwest Territories.....	144	11	676	6	837	2,081,841	862,117	3,164,301	4,026,418	
Yukon.....	97	5	847	8	957	2,490,568	512,807	4,491,347	5,004,154	
Canada.....	14,072	2,012	112,680	681	129,445	282,175,115	70,754,335	394,551,538	463,305,873	

GENERAL REVIEW OF THE MINING INDUSTRY

A-27

TABLE 24. Employees and Salaries and Wages in the Mineral Industry, 1945-1954

Year	Newfoundland		Nova Scotia		New Brunswick		Quebec		Ontario		Manitoba	
	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$
1945	—	—	14,091	26,707,708	1,525	2,200,188	22,374	39,674,306	30,634	61,414,603	1,763	3,460,480
1946	—	—	14,560	27,572,966	1,600	2,363,247	22,799	41,793,277	31,244	63,895,634	2,242	4,446,790
1947	—	—	11,716	21,637,321	1,473	2,349,749	24,930	50,729,876	34,727	80,436,924	2,547	5,836,505
1948	—	—	13,957	32,491,530	1,639	3,039,036	27,809	64,395,934	36,079	95,046,248	2,736	7,156,024
1949	3,807	8,926,150	13,557	32,727,764	1,745	3,310,220	26,471	66,633,847	36,980	103,684,179	2,648	7,558,052
1950	3,558	7,763,217	13,364	34,698,277	1,804	3,631,388	27,909	74,652,149	39,549	114,370,430	2,776	8,569,746
1951	4,114	10,984,035	13,799	37,388,122	1,526	3,283,050	30,349	92,213,392	43,451	138,056,626	2,632	9,091,188
1952	4,585	13,835,288	13,578	40,857,352	1,596	4,096,170	33,010	108,515,942	44,172	154,267,119	3,336	12,946,522
1953	4,541	15,567,726	13,037	39,236,701	1,755	4,545,645	33,095	113,001,528	44,427	159,013,933	2,793	10,794,413
1954	4,239	14,453,655	12,899	38,482,669	1,930	5,080,813	33,784	118,958,503	44,872	166,924,014	2,831	10,885,823
	Saskatchewan				Alberta		British Columbia		Northwest Territories		Yukon	
	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$
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	548	2,035,089	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	309,647,176
1950	2,729	8,605,454	12,135	32,755,745	15,076	42,562,240	884	3,249,770	604	2,586,281	120,388	333,444,697
1951	2,930	10,891,010	12,198	37,095,311	16,273	51,117,166	904	3,822,078	695	3,219,555	128,871	397,161,533
1952	2,113	8,024,308	12,107	39,677,562	17,820	62,223,703	959	4,106,791	840	4,425,394	134,116	452,976,151
1953	2,955	11,346,088	11,313	37,555,287	14,488	53,928,687	791	3,686,321	843	4,389,189	130,038	453,065,518
1954	3,607	15,181,543	10,069	34,228,685	13,420	52,079,596	837	4,026,418	957	5,004,154	129,445	465,305,873

TABLE 25. Employees and Earnings, by Provinces and by Mineral Classes, 1953 and 1954

Province	Metals		Non-metals		Fuels		Structural materials	
	Employees	Earnings	Employees	Earnings	Employees	Earnings	Employees	Earnings
1953								
Newfoundland	3,296	12,111,918	498	1,421,012	—	—	747	2,034,796
Nova Scotia	285	970,128	1,054	2,979,908	11,231	34,183,346	467	1,103,319
New Brunswick	95	397,506	166	214,220	973	2,596,130	521	1,337,789
Quebec	20,898	72,951,853	6,972	24,860,574	—	—	5,225	15,189,101
Ontario	35,948	132,848,979	1,212	4,140,767	1,656	4,554,511	5,611	17,469,676
Manitoba	1,978	8,185,576	127	320,198	41	167,556	647	2,121,081
Saskatchewan	1,768	7,379,392	200	609,294	776	2,627,383	211	730,019
Alberta	—	—	49	137,152	10,466	34,883,610	798	2,534,525
British Columbia	10,961	43,141,435	821	2,208,485	1,586	4,720,172	1,120	3,858,595
Northwest Territories	770	3,623,716	—	—	21	62,605	—	—
Yukon	827	4,330,479	—	—	16	58,710	—	—
Canada	76,826	285,940,984	11,099	36,891,610	26,766	83,854,023	15,347	46,378,901
1954								
Newfoundland	3,147	10,725,316	441	1,562,365	—	—	651	2,165,974
Nova Scotia	303	946,133	1,048	3,040,116	10,637	31,856,282	911	2,640,138
New Brunswick	267	835,256	166	236,510	968	2,622,663	529	1,386,384
Quebec	21,416	77,048,093	7,010	25,256,427	—	—	5,358	16,653,983
Ontario	36,185	138,741,106	1,099	3,841,034	1,808	5,359,240	5,780	18,982,634
Manitoba	1,896	8,052,968	128	376,482	77	296,751	730	2,159,622
Saskatchewan	2,175	9,548,495	264	1,283,891	934	3,543,957	234	805,200
Alberta	290	1,200,004	46	142,479	8,914	30,125,152	819	2,761,050
British Columbia	10,213	41,803,764	690	2,138,834	1,430	4,328,250	1,087	3,808,748
Northwest Territories	813	3,956,924	—	—	24	69,494	—	—
Yukon	942	4,934,781	—	—	15	69,373	—	—
Canada	77,647	297,792,840	10,892	37,878,138	24,807	78,271,162	16,099	51,363,733

MINERAL STATISTICS

TABLE 26. Wage-earners on Surface, Underground and in Mill, 1954

Province	Metal mines			Fuels		Other ¹		
	Surface	Under-ground	Mill ²	Surface	Under-ground	Surface	Under-ground	Mill
Newfoundland	1,034	1,779	59	—	—	633	238	148
Nova Scotia	84	153	38	1,364	8,429	1,201	51	541
New Brunswick	157	69	7	505	401	295	24	343
Quebec	2,764	5,196	10,428	—	—	5,277	1,076	4,665
Ontario	6,497	15,222	10,583	1,315	—	2,920	198	3,057
Manitoba	587	637	383	40	—	324	22	447
Saskatchewan ³	824	420	528	633	5	151	23	281
Alberta	—	—	212	4,893	2,572	141	—	647
British Columbia	1,496	2,662	4,227	305	1,006	684	27	696
Northwest Territories ³	240	352	67	23	—	—	—	—
Yukon	415	331	95	5	9	—	—	—
Canada, 1954	14,098	26,821	26,627	9,083	12,422	11,826	1,659	10,825
Canada, 1953	13,959	27,580	25,311	9,838	13,587	11,574	1,718	10,658
Canada, 1952	15,689	28,941	25,185	9,990	14,897	11,882	1,794	10,079
Canada, 1951	13,862	27,869	23,431	9,985	15,482	11,484	1,680	9,925
Canada, 1950	12,622	26,168	20,883	9,420	16,089	11,283	1,486	9,545

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

2. Includes non-ferrous smelters and refineries.

3. Exclusive of data on mining of pitchblende ores except for 1954.

TABLE 27. Administration and Office Employees at Places in Canada, Except at Mine or Plant, 1954

Plant location	Average number of employees			Salaries and wages
	Male	Female	Total	
				\$
Newfoundland	16	10	26	45,370
Nova Scotia	1,276	99	1,375	4,465,537
New Brunswick	90	32	122	409,015
Quebec	331	109	440	1,867,676
Ontario	344	139	483	2,303,261
Manitoba	65	17	82	340,954
Saskatchewan	51	15	66	302,532
Alberta	2,749	992	3,741	17,871,008
British Columbia	152	66	218	1,018,283
Northwest Territories	10	2	12	66,533
Yukon	168	—	168	863,409
Canada	5,252	1,481	6,733	29,553,578

Data in Tables 27 and 28 not included elsewhere in this report.

TABLE 28. Administration and Office Employees at Places in Canada, Except at Mine or Plant, 1954

Industry	Average number of employees			Salaries and wages
	Male	Female	Total	
				\$
Metal mining	724	194	918	4,445,213
Smelting and refining	4,090	1,110	5,200	22,726,297
Fuels	146	63	209	896,028
Non-metallic mining	292	114	406	1,486,040
Structural materials and clay products	5,252	1,481	6,733	29,553,578
Total				

1. Iron and steel plants are excluded.

TABLE 29. Fuel and Electricity Used in the Mineral Industry, by Industries, 1952

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.....	33,298	—	—	33,298	1,555,223	—
Auriferous quartz.....	1,946,677	1,016,464,868	5,645,302	7,591,979	49,356,348	8,657,722
Copper-gold-silver.....	986,206	356,896,544	1,372,714	2,358,920	70,179,457	515,285
Silver-cobalt.....	131,430	18,937,626	148,279	279,709	—	—
Silver-lead-zinc.....	2,425,786	235,529,154	1,991,607	4,417,393	42,606,405	—
Nickel-copper.....	702,005	285,033,874	1,235,905	1,937,910	2,552,900	—
Miscellaneous metals.....	1,507,923	145,993,734	1,074,271	2,582,194	3,785,850	435,787
Smelting and refining.....	23,858,497	11,176,775,949	26,712,955	50,571,452	639,459,048	7,327,300
Total.....	31,591,822	13,245,631,749	38,161,033	69,772,855	809,495,229	16,936,094
Non-metal mining:						
Asbestos.....	1,334,699	263,677,918	1,758,260	3,092,859	281,400	—
Feldspar and quartz.....	175,750	8,212,616	90,767	266,517	23,371	—
Gypsum.....	328,921	14,959,524	188,938	517,859	935,980	—
Iron oxides.....	21,561	258,672	3,605	25,166	—	—
Mica.....	13,172	100,760	2,502	15,674	—	—
Peat.....	65,031	1,679,429	32,640	97,671	—	—
Salt.....	969,685	9,866,466	76,226	1,045,911	10,965,937	3,120
Talc and soapstone.....	6,551	1,165,433	17,879	24,430	—	—
Miscellaneous.....	1,100,878	20,769,873	227,051	1,327,929	10,739,642	89,937
Total.....	4,016,248	320,690,691	2,397,868	6,414,116	22,946,330	93,057
Fuels:						
Coal.....	2,001,987	243,186,739	3,403,053	5,405,040	49,509,398	9,220,970
Natural gas.....	78,606	634,635	17,116	95,722	947,654	2,098,226
Petroleum.....	1,321,521	14,840,738	590,273	1,911,794	804,400	—
Total.....	3,402,114	258,662,112	4,010,442	7,412,556	51,261,452	11,319,196
Structural materials:						
Cement.....	7,845,409	344,773,732	1,908,695	9,754,104	964,750	—
Clay products.....	3,831,871	33,104,065	444,221	4,276,092	419,844	—
Lime.....	3,258,031	20,674,862	162,234	3,420,265	3,381,000	—
Sand and gravel.....	1,711,274	15,892,750	205,333	1,916,607	4,500	—
Stone.....	1,267,474	53,722,331	755,125	2,022,599	1,148,000	—
Total.....	17,914,059	468,167,740	3,475,608	21,389,667	5,918,094	—
GRAND TOTAL.....	56,924,243	14,293,152,292	48,064,951	104,989,194	889,621,105	28,348,347

TABLE 30. Fuel and Electricity Used in the Mineral Industry, by Provinces, 1952

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.....	729,608	54,358,495	544,104	1,273,712	4,385,288	29,937
Nova Scotia.....	1,175,856	159,856,361	2,279,668	3,455,524	19,787,218	7,697,580
New Brunswick.....	762,322	26,795,366	480,751	1,243,073	131,010	—
Quebec.....	15,552,076	10,741,219,150	28,246,248	43,798,324	24,426,375	8,372,753
Ontario.....	24,582,641	2,168,914,769	10,379,528	34,962,169	24,226,608	580,313
Manitoba.....	1,725,832	403,062,007	1,069,382	2,795,214	2,013,000	—
Saskatchewan.....	2,190,993	190,388,322	524,748	2,715,741	4,848,725	60,000
Alberta.....	3,022,270	116,057,351	1,647,497	4,669,787	20,276,747	2,661,861
British Columbia.....	6,270,444	379,016,037	2,361,086	8,631,530	760,995,539	1,894,690
Northwest Territories.....	364,577	52,235,234	496,025	860,602	21,278,234	7,051,213
Yukon.....	547,624	1,249,200	35,914	583,538	7,252,361	—
Canada.....	56,924,243	14,293,152,292	48,064,951	104,989,194	889,621,105	28,348,347

MINERAL STATISTICS

TABLE 31. Fuel and Electricity Used in the Mineral Industry, by Industries, 1953

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.....	75,741	1,250	50	75,791	21,252,700	—
Auriferous quartz.....	1,539,833	897,568,024	5,337,062	6,876,895	2,827,194	89,012
Copper-gold-silver.....	1,573,904	342,533,871	1,313,349	2,887,253	102,070,551	680,378
Silver-cobalt.....	131,473	21,567,954	169,724	301,197	—	428,963
Silver-lead-zinc.....	1,716,605	253,178,885	2,119,976	3,836,581	31,542,068	—
Nickel-copper.....	702,572	336,528,134	1,656,920	2,359,492	7,806,000	—
Miscellaneous metals.....	1,582,009	209,218,302	1,550,799	3,132,808	6,776,269	502,851
Smelting and refining.....	22,980,120	12,296,861,589	29,614,035	52,594,155	796,201,243	4,256,500
Total.....	30,302,257	14,357,457,999	41,761,915	72,064,172	968,476,025	5,528,741
Non-metal mining:						
Asbestos.....	1,840,354	248,840,405	1,943,299	3,763,653	1,284,800	—
Feldspar and quartz.....	134,396	10,625,157	110,764	245,160	—	—
Gypsum.....	219,002	11,586,735	152,360	371,362	—	—
Iron oxides.....	20,718	163,736	3,058	23,776	—	—
Mica.....	11,926	116,962	2,885	14,811	—	—
Peat.....	72,909	2,256,636	45,218	118,127	—	—
Salt.....	877,386	10,537,992	82,541	959,927	20,305,510	24,200
Talc and soapstone.....	10,476	1,209,695	22,231	32,707	—	—
Miscellaneous.....	1,047,907	20,247,115	213,457	1,261,364	7,558,858	118,368
Total.....	4,235,074	305,414,433	2,575,813	6,810,887	29,149,168	142,568
Fuels:						
Coal.....	2,452,357	246,297,036	3,516,751	5,969,108	30,967,161	6,345,307
Natural gas.....	248,766	1,713,358	42,600	291,366	959,890	1,984,290
Petroleum.....	1,586,762	22,455,528	860,411	2,447,173	755,670	—
Total.....	4,287,885	270,465,922	4,419,762	8,707,647	32,682,721	8,329,597
Structural materials:						
Cement.....	8,900,028	420,231,623	2,426,973	11,327,001	983,049	—
Clay products.....	4,318,725	38,358,492	524,558	4,843,283	433,300	—
Lime.....	3,202,296	23,316,106	185,044	3,387,340	3,273,000	—
Sand and gravel.....	1,908,417	17,485,778	257,290	2,165,707	115,187	—
Stone.....	982,527	55,847,702	809,270	1,791,797	1,420,790	—
Total.....	19,311,993	555,239,701	4,203,135	23,515,128	6,225,326	—
GRAND TOTAL.....	58,137,209	15,488,578,055	52,960,625	111,097,834	1,036,533,240	14,000,906

TABLE 32. Fuel and Electricity Used in the Mineral Industry, by Provinces, 1953

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.....	749,951	69,418,101	623,063	1,373,014	2,122,260	58,368
Nova Scotia.....	2,042,156	164,629,315	2,431,658	4,473,814	17,356,348	5,682,190
New Brunswick.....	809,369	30,605,018	565,960	1,375,329	92,000	—
Quebec.....	15,729,169	11,833,984,333	31,121,632	46,850,801	19,087,752	4,759,351
Ontario.....	25,291,130	2,226,673,340	11,642,219	36,933,349	24,419,012	—
Manitoba.....	1,713,933	199,926,132	719,967	2,433,900	8,157,326	—
Saskatchewan.....	2,227,917	398,995,058	876,700	3,104,617	41,523,045	60,000
Alberta.....	3,095,070	140,554,491	1,961,925	5,056,995	16,117,330	2,410,420
British Columbia.....	5,885,060	357,486,785	2,141,518	8,026,578	883,156,823	941,565
Northwest Territories.....	246,507	53,819,222	520,571	767,078	3,243,944	89,012
Yukon.....	346,947	12,486,260	355,412	702,359	21,257,400	—
Canada.....	58,137,209	15,488,578,055	52,960,625	111,097,834	1,036,533,240	14,000,906

TABLE 33. Fuel and Electricity Used in the Mineral Industry, by Industries, 1954

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	146,300	—	—	146,300	25,809,400	6,427,400
Auriferous quartz	1,622,920	942,065,048	5,364,608	6,987,528	45,194,654	1,573,383
Copper-gold-silver	1,752,588	361,276,499	1,396,220	3,148,808	107,693,524	686,505
Silver-cobalt	116,346	21,651,293	156,678	273,024	—	—
Silver-lead-zinc	1,816,606	162,950,610	1,671,412	3,468,018	152,904,829	775,914
Nickel-copper	1,258,337	364,649,270	1,795,864	3,054,201	23,620,088	761,400
Miscellaneous metals	1,998,029	206,815,120	1,555,329	3,553,358	9,154,250	408,000
Smelting and refining	24,802,122	12,690,206,646	30,423,265	55,225,387	753,870,364	13,362,000
Total	33,513,248	14,749,814,486	42,363,376	75,876,624	1,118,247,109	23,994,602
Non-metal mining:						
Asbestos	2,030,524	269,410,263	2,100,282	4,130,806	2,649,346	—
Feldspar and quartz	94,618	11,465,890	110,077	204,695	10	—
Gypsum	211,927	11,339,818	143,375	355,302	2,024,000	—
Iron oxides	18,476	186,848	3,346	21,822	—	—
Mica	5,279	125,703	2,499	7,778	—	—
Peat	87,842	2,260,098	53,162	141,004	—	—
Salt	671,933	11,172,710	86,187	758,120	23,912,444	33,800
Talc and soapstone	13,008	1,366,049	22,537	35,545	—	—
Miscellaneous	1,159,513	22,969,414	259,928	1,419,441	7,905,734	119,069
Total	4,293,120	330,296,793	2,781,393	7,074,513	36,491,534	152,869
Fuels:						
Coal	1,396,543	250,245,525	3,536,229	4,932,772	18,815,263	6,329,663
Natural gas	242,583	1,717,875	44,426	287,009	996,468	1,731,132
Petroleum	1,671,706	27,689,890	976,626	2,848,332	145,020	—
Total	3,510,832	279,653,290	4,557,281	8,068,113	19,956,751	8,060,795
Structural materials:						
Cement	9,059,221	435,345,623	2,517,295	11,576,516	224,170	—
Clay products	4,665,238	42,547,906	588,159	5,253,397	322,119	—
Lime	3,186,777	23,266,939	195,277	3,382,054	3,281,000	—
Sand and gravel	2,086,693	18,763,336	285,277	2,371,970	100,000	—
Stone	1,488,424	53,867,170	819,367	2,307,791	1,475,730	—
Total	20,486,353	573,790,974	4,405,375	24,891,728	5,403,019	—
GRAND TOTAL	81,803,553	15,933,555,543	54,107,425	115,910,978	1,180,098,413	32,208,266

TABLE 34. Fuel and Electricity Used in the Mineral Industry, by Provinces, 1954

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	751,261	72,087,545	655,753	1,407,014	5,774,304	834,983
Nova Scotia	1,451,573	170,888,723	2,515,652	3,967,225	19,509,906	4,297,810
New Brunswick	821,112	34,468,143	662,576	1,483,688	96,000	—
Quebec	17,271,943	11,818,402,869	31,325,513	48,597,456	29,569,765	13,770,000
Ontario	26,872,117	2,358,932,102	12,118,821	38,990,938	22,567,178	—
Manitoba	1,928,210	199,213,639	728,031	2,656,241	22,556,600	761,400
Saskatchewan	2,984,233	412,583,401	922,061	3,906,294	44,180,084	60,000
Alberta	3,233,998	145,973,420	2,076,893	5,310,891	20,743,411	3,737,452
British Columbia	5,743,532	675,257,931	2,304,833	8,048,365	965,109,478	1,179,163
Northwest Territories	318,897	31,378,662	411,600	730,497	25,188,287	1,140,258
Yukon	426,677	14,369,108	385,692	812,369	24,803,400	6,427,400
Canada	81,803,553	15,933,555,543	54,107,425	115,910,978	1,180,098,413	32,208,266

TABLE 35. Cost of Prospecting Conducted by Metal Mining Companies, 1951-1954

Province in which prospecting was conducted	By alluvial gold mines ¹	By auriferous quartz mines ¹	By copper-gold-silver mines ¹	By silver-cobalt mines ¹	By silver-lead-zinc mines ¹	By nickel-copper mines ¹	By miscellaneous metal mines ¹	Total metal mining
Dollars								
1951								
Newfoundland	—	400	20,304	—	118,826	370,524	37,862	547,916
Nova Scotia	—	50	3,011	—	4,592	—	16,731	24,384
New Brunswick	—	34,673	54,303	—	824	—	—	89,800
Quebec	—	979,304	670,597	28,535	149,491	10,603	449,971	2,288,501
Ontario	—	985,868	194,597	7,584	54,039	2,181,404	761,851	4,185,343
Manitoba	—	30,507	52,494	—	2,587	420,077	141	505,806
Saskatchewan	—	77,500	23,505	—	5,277	14,805	—	121,587
British Columbia.....	13,222	292,424	171,557	—	418,991	—	144,160	1,040,354
Northwest Territories	—	13,278	207	—	50,690	125,850	8,441	198,466
Yukon	7,884	—	3,971	—	162,427	—	—	174,282
Canada	21,106	2,414,004	1,194,546	36,119	968,244	3,123,263	1,419,157	9,176,439
1952								
Newfoundland	—	125,508	51,618	—	156,474	306,675	9,265	649,540
Nova Scotia	—	3,203	1,401	—	—	413	17,064	22,081
New Brunswick	—	38,194	67,504	—	—	—	728	106,426
Quebec	—	961,110	752,793	46,773	605,731	36,981	1,083,043	3,486,431
Ontario	—	926,399	375,990	59,129	93,727	2,805,455	457,309	4,718,009
Manitoba	—	62,534	436	—	4,847	620,707	—	688,524
Saskatchewan	—	45,736	64,398	—	29,123	24,686	1,010	164,953
Alberta	—	—	598	—	—	—	—	598
British Columbia.....	11,805	377,946	388,887	—	500,019	—	162,839	1,461,496
Northwest Territories	—	13,140	8,280	—	383,369	1,329,549	9,200	1,743,538
Yukon	—	13,211	26,302	—	495,065	—	—	536,578
Canada	11,805	2,566,981	1,740,207	103,902	2,268,355	5,124,466	1,760,458	13,578,174
1953								
Newfoundland	—	97,524	—	—	304,836	208,162	324,229	934,751
Nova Scotia	—	27,813	438	—	71,563	236	6,044	106,094
New Brunswick	—	201,750	828,573	—	1,725,335	38,529	138,279	2,932,466
Quebec	—	660,489	1,015,497	24,732	252,893	120,410	1,087,857	3,161,878
Ontario	—	830,951	295,310	39,253	68,291	3,475,609	693,988	5,403,402
Manitoba	—	74,789	35,791	—	13,530	1,465,739	—	1,589,849
Saskatchewan	—	346,945	46,904	—	60,152	50,324	—	504,325
Alberta	—	—	765	—	765	—	—	1,530
British Columbia.....	31,982	232,339	207,129	—	942,431	765	60,586	1,475,232
Northwest Territories	—	70,505	2,945	—	29,535	1,291,846	—	1,394,831
Yukon	1,025	30,361	81,149	—	124,347	91,298	220	328,400
Canada	33,007	2,573,466	2,514,501	63,985	3,593,678	6,742,918	2,311,203	17,832,758
1954								
Newfoundland	—	66,014	—	—	333,305	58,371	865,936	1,323,626
Nova Scotia	—	13,817	78,428	—	74,145	—	17,493	183,883
New Brunswick	—	134,273	457,565	—	3,993,071	107,905	1,364,075	6,056,889
Quebec	—	1,535,511	796,633	1,440	359,661	12,758	2,247,039	4,953,042
Ontario	—	1,232,225	1,238,228	23,293	746,246	2,637,450	1,149,976	7,027,416
Manitoba	—	24,317	72,864	—	48,773	1,841,531	7,744	1,995,229
Saskatchewan	—	204,623	100,148	—	302,413	709,322	577,467	1,893,973
Alberta	—	—	—	—	2,872	—	2,000	4,872
British Columbia.....	8,399	112,841	277,823	—	634,251	1,526	231,119	1,263,959
Northwest Territories	—	54,359	5,396	—	31,802	191,491	71,874	354,922
Yukon	28,841	21,775	161,805	—	317,358	1,225,450	2,193	1,757,422
Canada	35,240	3,399,755	3,188,890	24,733	6,843,897	6,783,804	6,536,916	26,815,235

1. Industry in which the companies' principal operations are conducted, but prospecting may be conducted for any mineral-i.e.-an auriferous quartz mining company may prospect for silver-lead-zinc.

ERRATA

Some revisions have been made in the 1954 statistics on the mineral industries since the publication of the separate industry reports in this series. These are as follows:

Smelting and Refining:

Page F-3, Text, para. 4. "including 2,690,206,646 kwh." should read "including 12,690,206,646 kwh."

Cement Manufacturing:

Page P-3, Text, Column 2, line 2. "included: 5,436,925 tons of limestone". should read "included: 5,566,198 tons of limestone".

Page 3, Footnote 1, should read "Includes process supplies, containers and purchased raw materials, excluding materials from own quarries".

Page P-5, Table 6, Column 4. Limestone for 1954 should read "5,566,198" instead of "5,436,225".

Peat Industry:

Page L-3, Text, para. 2, line 6. "2,247,598 kwh." should read "2,260,098" kwh.

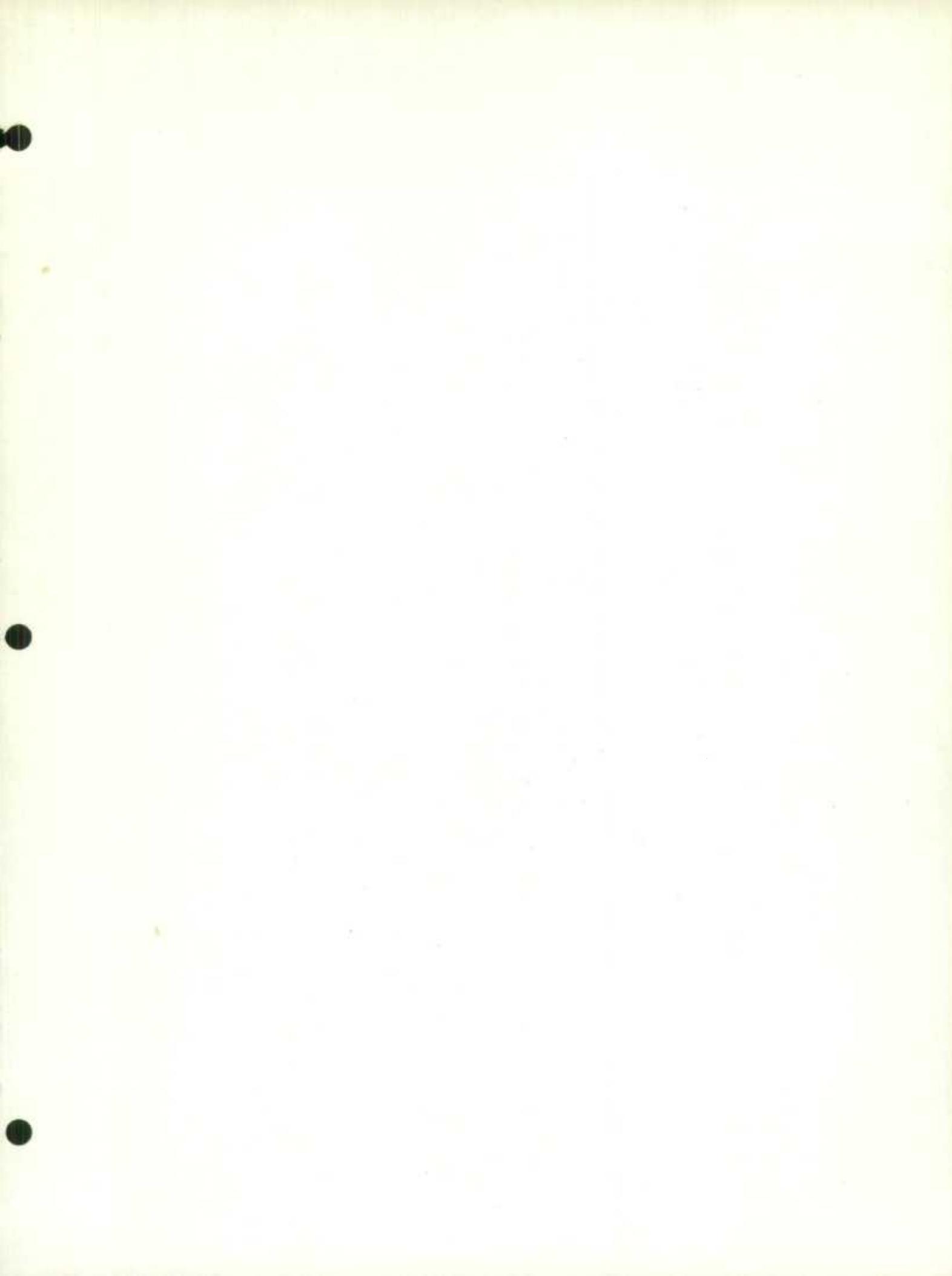
Crude Petroleum and Natural Gas:

Page H-3, Table 1, Column 2. Operating wells in 1953 "7,056" should read "7,506".

Miscellaneous Non-metal Mining:

Page O-5, Table 1, Column 8. 1954 net value should read \$7,716,472.









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