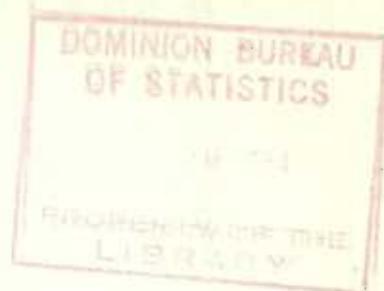


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GENERAL REVIEW OF THE MINING INDUSTRY 1952

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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 Non-ferrous Smelting and Refining Industry, 25¢
- G — The Coal Mining Industry, \$1.00
- H — The Crude Petroleum and Natural Gas Industry, 25¢
- I — The Asbestos Mining Industry, 25¢
- J — The Feldspar and Quartz Mining Industry, 25¢
- K — The Gypsum Industry, 25¢
- L — The Peat Industry, 25¢
- M — The Salt Industry, 25¢
- N — The Talc and Soapstone Industry, 25¢
- O — The Miscellaneous Non-metal Mining Industry, 25¢
- P — The Cement Manufacturing Industry, 25¢
- Q — The Clay and Clay Products Industry, 25¢
- R — The Lime Industry, 25¢
- S — The Sand and Gravel Industry, 25¢
- T — The Stone Industry, 25¢
- U — Contract Drilling in the Mining Industry, 25¢

GENERAL REVIEW OF THE MINING INDUSTRY

1952

Mineral production in Canada during 1952 was valued at \$1,285,342,353. This output value is the highest on record, being \$40 millions or 3.2 per cent above the preceding year's total of \$1,245,483,595. The outstanding gain was for crude petroleum which was \$26.4 millions above the value for 1951, but asbestos and cement were each up about \$7.5 millions and iron ore about \$2.5 millions. In contrast, the output values for the metals including gold, copper, lead and zinc were below the corresponding totals for 1951.

The total output value of all metals was \$728 millions in 1952 compared with \$745 millions in 1951, a drop of 2.3 per cent. In volume of output the gains outnumbered the losses but these advances were not sufficient to offset the price declines during the year. The tonnage of zinc was up 9 per cent but the total value declined nearly 4.4 per cent; lead production increased 6.7 per cent but the value dropped 6.1 per cent; and gold production was up 1.8 per cent in quantity but down 5.3 per cent in value. The output of nickel was greater by 2.9 per cent and the value was slightly higher than for last year. Copper production declined 4.5 per cent and the increase in average price during the year was not sufficient to offset this decline, the value being down by nearly 1.6 per cent.

The value of mineral fuels rose 13.2 per cent to \$263.6 millions in 1952. Crude petroleum gained 28.6 per cent in quantity and 22.6 per cent in value, and natural gas rose 11.6 per cent in volume. The tonnage of coal declined 5.5 per cent in volume but the value was 1.8 per cent higher.

The value of structural materials continued to rise, reaching a total of nearly \$169 millions compared with \$151 millions in 1951. Cement production reached a new high, up 8.8 per cent in quantity and 18.8 per cent in value. Brick and other clay products increased 6 per cent in value, stone 7.6 per cent, sand and gravel 15 per cent, but the output of lime was nearly 5.3 per cent less than in 1951 in tonnage and 3.3 per cent in dollars.

Other non-metallics were valued at \$125 millions, up 8 per cent from the corresponding total for 1951. The tonnage of asbestos was less than in 1951 due to decreased demand for short fibres, but the increase in the price of the longer fibres brought the value to a new high. Barite and fluorspar showed gains in output while feldspar and mica declined. Sulphur, in the form of pyrite and sulphuric acid,

gained 14 per cent in quantity. The gypsum, salt and nepheline syenite were about the same as for the preceding year.

Except for the 1920-1930 period the value of Canada's mineral production has practically doubled each decade since the turn of the century. From \$64 millions in 1900 it rose to \$107 millions in 1910 and \$228 millions in 1920. In 1930 it was \$280 millions rising to \$530 millions in 1940 and \$1,045 millions in 1950. Similarly the revised index of physical volume of output from Canadian mines advanced from 37.6 (average 1935-1939=100) in 1920 to 63.9 in 1930 and 125.7 in 1940. In the next decade, however, the volume again was not quite so rapid, the index standing at 145.4 in 1950. The 1952 figure was 171.0.

Slightly lower values were recorded for Manitoba, Saskatchewan and British Columbia but increases of about 16 to 18 per cent were shown for Alberta, Nova Scotia and Yukon, with lesser advances for the other provinces. Ontario's output of \$444.6 millions represented 34.6 per cent of the Canadian figure, and Quebec's record total of \$270.5 millions accounted for 21 per cent. Alberta, now in third place with output valued at \$196.8 millions, accounted for 15.3 per cent and British Columbia with production amounting to \$170 millions for about 13 per cent.

Exports of the five major base metals were valued at \$525 millions in 1952, including \$397 millions for refined shapes and \$128 millions in ores, concentrates and matte shipped to other countries for treatment. The refined metals, in millions of dollars, were, aluminum, 143; nickel, 80; copper, 71; zinc, 61; and lead, 42. Exports of asbestos totalled \$86 millions in 1952; iron ore, \$22 millions; and silver bullion, \$13 millions. About 1.5 million barrels of crude petroleum were shipped to the United States in 1952.

About 134,116 persons were employed in the mineral industries in Canada and the annual payroll for the industry totaled about \$453 millions. The metal mines raise about 52.3 million tons of ore and the quarries and non-metal mines move about 44.1 million tons of rock yearly.

The ten leading minerals in order of production value were as follows in 1952: Gold, nickel, copper, crude petroleum, zinc, coal, asbestos, lead, sand and gravel, cement.

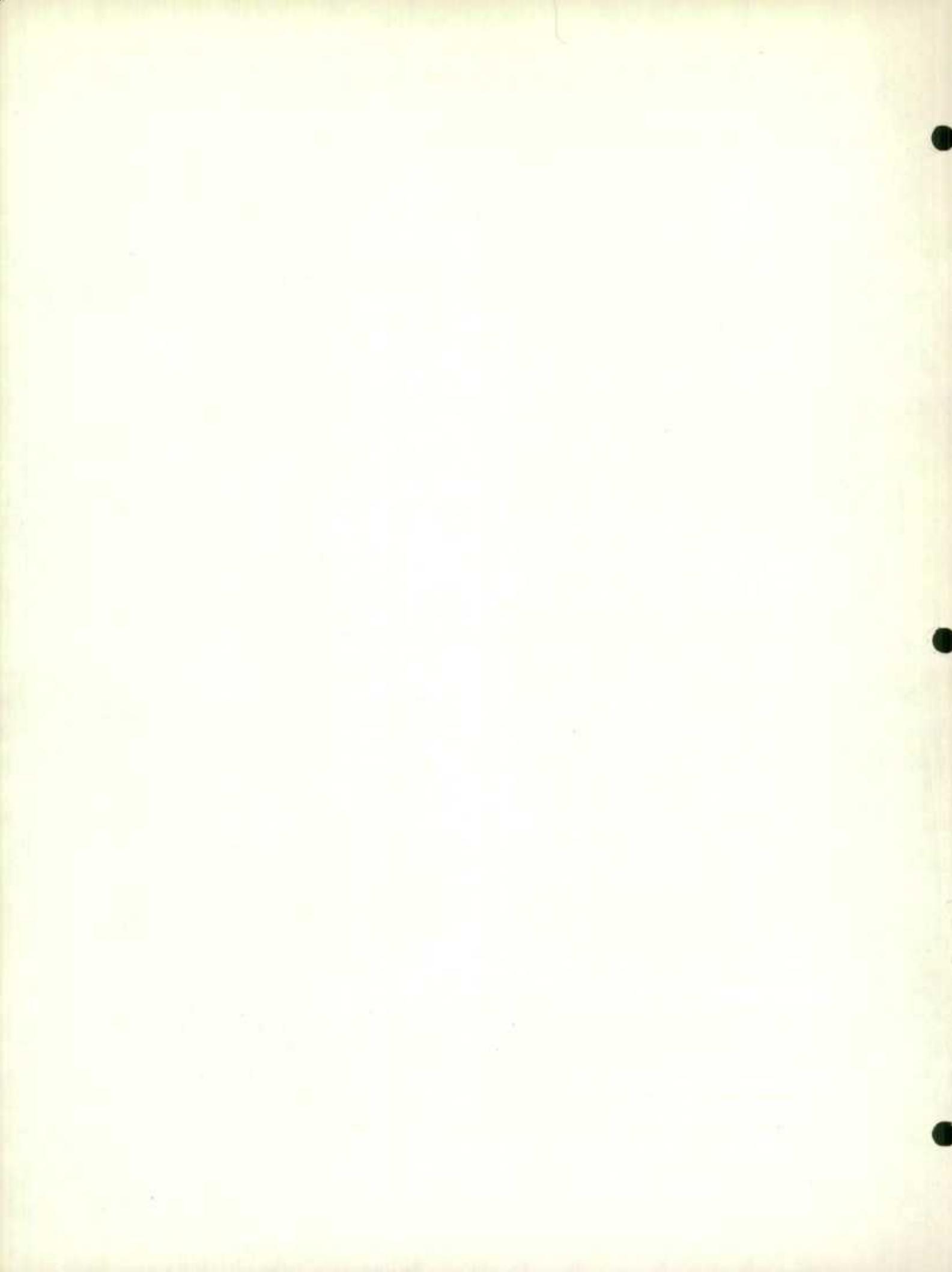


TABLE 1. Mineral Production, by Kinds, 1951 and 1952

		1951		1952	
		Quantity	Value	Quantity	Value
			\$		\$
Metallics:					
Antimony	lb.	6,702,164	1,436,713	2,330,900	601,483
Bismuth	lb.	230,296	543,504	162,373	347,224
Cadmium	"	1,326,920	3,556,145	948,587	2,086,891
Calcium	"	—	—	—	—
Cobalt	lb.	951,607	1,999,612	1,421,923	3,226,903
Copper	"	539,941,589	149,026,216	516,075,097	146,879,040
Gold	Troy oz.	4,392,751	161,872,873	4,471,725	153,246,016
Indium	"	582	1,368	404	909
Iron ore	tons	4,680,510	31,141,112	5,271,849	33,744,311
Iron ingots	"	15,554	777,142	32,422	1,815,007
Lead	lb.	316,462,751	58,229,146	337,683,891	54,671,021
Magnesium ³	"	—	3,618,219	—	4,812,368
Molybdenite concentrates (MoS ₂)	lb.	381,596	228,958	505,964	409,831
Nickel	"	275,806,272	151,269,994	281,117,072	151,349,436
Palladium, rhodium, iridium, etc.	Troy oz.	164,905	7,950,107	157,407	7,559,109
Platinum	"	153,483	14,542,515	122,317	10,916,792
Pitchblende products	"	—	Not available	—	—
Selenium	lb.	382,603	1,239,633	242,000	786,599
Silver	Troy oz.	23,125,825	21,865,467	25,222,227	21,065,603
Tellurium	lb.	8,913	16,400	6,035	10,259
Tin	"	346,718	494,073	212,113	253,581
Titanium ore	tons	1,674	9,790	51	459
Tungsten (WO ₃)	lb.	2,833	7,098	1,493,111	4,488,237
Zinc	"	682,224,335	135,762,643	743,604,155	129,833,265
Total metallics	—	—	745,588,728	—	727,904,366
Non-metallics:					
Fuels:					
Coal	tons	18,586,623	109,038,835	17,579,002	111,026,149
Natural gas	M cu. ft.	79,460,687	7,158,920	88,686,465	9,517,638
Peat	tons	50	1,100	32	320
Petroleum	bbl.	47,615,534	116,655,238	61,237,322	143,038,212
Total fuels	—	—	232,854,093	—	263,582,319
Other non-metallics:					
Arsenious oxide	lb.	2,353,362	129,435	1,708,351	76,676
Asbestos	tons	973,198	81,564,345	929,339	89,254,913
Barite	"	98,113	1,131,917	136,002	1,521,162
Diatomite	"	92	3,148	28	1,074
Feldspar	"	40,749	551,097	20,267	330,635
Fluorspar	"	74,211	2,189,875	82,187	2,523,408
Graphite	"	1,569	231,167	2,040	255,732
Grindstones	"	60	6,000	42	5,720
Gypsum	"	3,802,892	5,680,853	3,590,783	6,538,074
Iron oxides	"	13,342	262,277	11,487	194,922
Magnesitic dolomite and brucite	"	—	2,437,773	—	2,715,266
Mica	lb.	4,961,508	447,650	2,014,941	194,106
Mineral waters	gal.	325,300	146,971	311,495	166,033
Nepheline syenite	tons	81,108	1,114,943	82,681	1,111,950
Phosphate rock	"	6	94	—	—
Peat moss	"	76,809	2,433,008	74,899	2,443,765
Quartz	"	1,904,885	2,258,466	1,783,081	2,253,500
Salt	"	964,525	7,905,977	971,903	7,774,815
Silica brick	M	3,510	465,229	3,544	606,394
Soapstone and talc	tons	24,846	283,624	25,032	280,612
Sodium sulphate	"	192,371	2,383,770	122,590	1,708,807
Sulphur	"	371,790	3,120,785	423,768	3,851,183
Titanium dioxide in slag	"	14,123	738,577	30,805	1,238,103
Total other non-metallics	—	—	115,706,983	—	125,047,050
Clay products and other structural materials:					
Clay products (brick, tile, etc.)	—	—	23,527,656	—	24,961,528
Cement	bbl.	17,007,812	40,446,288	18,520,538	48,059,470
Lime	tons	1,241,041	14,082,520	1,175,786	13,613,221
Sand and gravel	"	92,972,821	44,627,559	102,895,545	51,339,043
Stone	"	18,676,706	28,649,768	18,726,196	30,835,356
Total clay products and other structural materials	—	—	151,333,791	—	168,808,618
GRAND TOTAL	—	—	1,245,483,595	—	1,285,342,353

1. Included with magnesium in 1951 and 1952.

2. Data not available for publication.

3. Includes calcium.

TABLE 2. MINERAL PRODUCTION, BY PROVINCES, 1952

No.			Newfoundland	Nova Scotia	New Brunswick	Quebec
Metals						
1	Antimony	lb. \$	—	—	—	—
2			—	—	—	—
3	Bismuth	lb. \$	—	—	—	20,127 27,171
4			—	—	—	—
5	Cadmium	lb. \$	—	—	—	—
6			—	—	—	—
7	Chromite	tons \$	—	—	—	—
8			—	—	—	—
9	Cobalt	lb. \$	—	—	—	—
10			—	—	—	—
11	Copper	lb. \$	5,918,288 1,689,079	766,165 218,663	—	137,691,702 39,297,212
12					—	—
13	Gold	oz. \$	8,595 294,551	1,433 49,109	—	1,113,204 38,149,501
14					—	—
15	Indium	oz. \$	—	—	—	—
16			—	—	—	—
17	Iron ore	tons \$	1,653,878 8,668,192	—	—	—
18				—	—	—
19	Iron ingots	tons \$	—	—	—	32,422 1,815,007
20			—	—	—	—
21	Lead	lb. \$	36,118,414 5,847,571	1,556,645 252,021	—	21,039,859 3,406,353
22					—	—
23	Magnesium and calcium	lb. \$	—	—	—	—
24			—	—	—	—
25	Molybdenite	lb. \$	—	—	—	505,964 409,831
26			—	—	—	—
27	Nickel	lb. \$	—	—	—	—
28			—	—	—	—
29	Palladium, iridium, etc.	oz. \$	—	—	—	—
30			—	—	—	—
31	Platinum	oz. \$	—	—	—	—
32			—	—	—	—
33	Pitchblende	—		Not available		
34	Selenium	lb. \$	—	—	—	78,830 256,198
35			—	—	—	—
36	Silver	oz. \$	638,524 533,295	91,886 76,743	—	4,536,247 3,788,673
37					—	—
38	Tellurium	lb. \$	—	—	—	—
39			—	—	—	—
40	Tin	lb. \$	—	—	—	—
41			—	—	—	—
42	Titanium ore	tons \$	—	—	—	51 459
43			—	—	—	—
44	Tungsten conc'ts WO ³	lb. \$	—	—	—	—
45			—	—	—	—
46	Zinc	lb. \$	61,033,650 10,656,475	8,816,141 1,539,298	—	189,797,061 33,138,567
47					—	—
48	Total metals	\$	27,689,163	2,135,834	—	120,288,972
Non-metallics						
49	Arsenious oxide	lb. \$	—	—	—	119,970 5,399
50			—	—	—	—
51	Asbestos	tons \$	—	—	—	906,223 85,248,098
52			—	—	—	—
53	Barite	tons \$	—	135,154 1,507,754	—	—
54			—		—	—
55	Diatomite	tons \$	—	16 834	—	—
56			—		—	—

1. Included in magnesitic dolomite and brucite.

TABLE 2. Mineral Production, by Provinces, 1952

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	Canada	No
—	—	—	—	2,330,900 601,483	—	—	2,330,900 601,483	1 2
—	—	—	—	142,246 320,053	—	—	162,373 347,224	3 4
—	25,229 55,504	89,123 196,070	—	704,745 1,550,439	—	129,490 284,878	948,587 2,086,891	5 6
—	—	—	—	—	—	—	—	7 8
1,421,923 3,226,903	—	—	—	—	—	—	1,421,923 3,226,903	9 10
250,685,175 70,973,056	18,748,439 5,350,804	60,687,296 17,320,154	—	41,571,132 11,828,103	6,900 1,969	—	516,075,097 146,679,040	11 12
2,513,691 86,144,190	141,947 4,864,524	93,585 3,207,158	111 3,804	273,059 9,357,732	247,581 8,484,601	78,519 2,690,846	4,471,725 153,246,016	13 14
—	—	—	—	404 909	—	—	404 909	15 16
2,717,490 19,632,551	—	—	—	900,481 5,443,568	—	—	5,271,849 33,744,311	17 18
—	—	—	—	—	—	—	32,422 1,815,007	19 20
1,803,455 291,979	—	—	—	258,769,430 41,894,771	27,445 4,443	18,368,643 2,973,883	337,683,891 54,671,021	21 22
4,812,368	—	—	—	—	—	—	4,812,368	— 23
—	—	—	—	—	—	—	505,964 409,831	25 26
261,117,072 151,349,438	—	—	—	—	—	—	281,117,072 151,349,438	27 28
157,407 7,559,109	—	—	—	—	—	—	157,407 7,559,109	29 30
122,315 10,916,614	—	—	—	2 178	—	—	122,317 10,916,792	31 32
Not available								33
81,578 265,129	15,852 51,519	65,770 213,753	—	—	—	—	242,030 786,599	34 35
6,491,124 5,421,387	412,149 344,227	1,179,514 985,130	10 8	7,784,964 6,502,002	59,258 49,492	4,028,551 3,364,646	25,222,227 21,065,603	36 37
5,710 9,707	63 107	262 445	—	—	—	—	6,035 10,259	38 39
—	—	—	—	212,113 253,581	—	—	212,113 253,581	40 41
—	—	—	—	—	—	—	51 459	42 43
50,734 164,886	—	—	—	1,434,641 4,307,879	7,736 15,472	—	1,493,111 4,488,237	44 45
744,920 130,063	30,185,026 5,270,306	93,381,238 16,304,364	—	348,575,941 60,861,359	—	11,070,178 1,932,853	743,604,155 129,833,285	46 47
360,897,380	15,936,991	38,227,074	3,812	142,922,057	8,555,977	11,247,106	727,904,366	48
1,588,381 71,477	—	—	—	—	—	—	1,708,351 76,876	49 50
23,096 3,983,815	—	—	—	20 23,000	—	—	929,339 89,254,913	51 52
—	—	—	—	848 13,408	—	—	136,002 1,521,162	53 54
—	—	—	—	12 240	—	—	28 1,074	55 56

TABLE 2. Mineral Production, by Provinces, 1952 - Concluded

No.			Newfoundland	Nova Scotia	New Brunswick	Quebec
Non-metallics - concluded						
1	Feldspar	tons	-	-	-	16,645
2	.	\$	-	-	-	293,007
3	Fluorspar	tons	81,283	-	-	-
4	.	\$	2,484,943	-	-	-
5	Garnet, rock	tons	-	-	-	-
6	.	\$	-	-	-	-
7	Graphite	tons	-	-	-	-
8	.	\$	-	-	-	-
9	Grindstone	tons	-	-	42	-
10	.	\$	-	-	5,720	-
11	Gypsum	tons	8,660	2,969,312	110,183	-
12	.	\$	54,881	4,373,842	333,638	-
13	Iron oxide	tons	-	-	-	11,487
14	.	\$	-	-	-	194,922
15	Magnesitic dolomite, brucite	tons	-	-	-	2,715,266
16	.	\$	-	-	-	-
17	Mica	lb.	-	-	-	1,170,181
18	.	\$	-	-	-	79,544
19	Mineral water	gal.	-	-	-	-
20	.	\$	-	-	-	309,125
21	Nepheline syenite	tons	-	-	-	165,593
22	.	\$	-	-	-	-
23	Peat, moss	tons	-	970	2,400	19,609
24	.	\$	-	29,400	96,000	405,852
25	Phosphate rock	tons	-	-	-	-
26	.	\$	-	-	-	-
27	Quartz	tons	-	-	-	189,856
28	.	\$	-	-	-	583,644
29	Salt	tons	-	138,845	-	-
30	.	\$	-	1,565,814	-	-
31	Silica brick	M	-	2,383	-	-
32	.	\$	-	360,286	-	-
33	Soapstone and talc	tons	-	-	-	12,578
34	.	\$	-	-	-	130,901
35	Sodium carbonate	tons	-	-	-	-
36	.	\$	-	-	-	-
37	Sodium sulphate	tons	-	-	-	-
38	.	\$	-	-	-	-
39	Sulphur	tons	-	-	-	N. A.
40	.	\$	-	-	-	1,567,953
41	Titanium dioxide	tons	-	-	-	30,805
42	.	\$	-	-	-	1,238,103
43	Total non-metallics	\$	2,539,824	7,837,930	435,358	92,628,282
Fuels						
44	Coal	tons	-	5,905,265	742,823	-
45	.	\$	-	51,227,678	5,836,736	-
46	Natural gas	M cu. ft.	-	-	202,042	-
47	.	\$	-	-	150,073	-
48	Peat	tons	-	-	-	-
49	.	\$	-	-	-	-
50	Petroleum, crude	bbl.	-	-	14,237	-
51	.	\$	-	-	19,932	-
52	Total fuels	\$	-	51,227,678	6,006,741	-
Structural materials						
53	Clay products	\$	29,285	1,221,893	655,084	6,645,387
54	Cement	bbl.	126,100	-	604,123	7,272,241
55	.	\$	529,750	-	1,543,639	18,838,458
56	Lime	tons	436	-	19,837	408,522
57	.	\$	19,952	-	366,457	4,056,100
58	Sand and gravel	tons	1,654,471	1,574,539	3,670,289	32,060,910
59	.	\$	936,013	1,269,540	1,815,576	12,744,630
60	Stone	tons	475,704	340,398	160,944	7,830,976
61	.	\$	768,326	859,508	476,105	15,282,133
62	Total structural materials	\$	2,283,326	3,350,941	4,856,861	57,566,708
63	Grand total 1952	\$	32,512,313	64,552,383	11,298,960	270,483,962
64	Grand total 1951'	\$	32,410,443	59,727,256	9,564,617	255,530,071

TABLE 2. Mineral Production, by Provinces, 1952 — Concluded

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	Canada	No
3,622	—	—	—	—	—	—	20,267	1
37,628	—	—	—	—	—	—	330,635	2
904	—	—	—	—	—	—	82,187	3
38,465	—	—	—	—	—	—	2,523,408	4
—	—	—	—	—	—	—	—	5
—	—	—	—	—	—	—	—	6
2,040	—	—	—	—	—	—	2,040	7
255,732	—	—	—	—	—	—	255,732	8
—	—	—	—	—	—	—	42	9
—	—	—	—	—	—	—	5,720	10
278,992	130,934	—	—	92,702	—	—	3,590,783	11
1,060,429	473,841	—	—	241,443	—	—	6,538,074	12
—	—	—	—	—	—	—	11,487	13
—	—	—	—	—	—	—	194,922	14
—	—	—	—	—	—	—	—	15
531,360	—	—	—	313,400	—	—	2,715,266	16
111,561	—	—	—	3,001	—	—	2,014,941	17
2,370	—	—	—	—	—	—	194,106	18
440	—	—	—	—	—	—	311,495	19
82,681	—	—	—	—	—	—	166,033	20
1,111,950	—	—	—	—	—	—	82,681	21
1,938	3,042	—	—	46,939	—	—	1,111,950	22
69,013	158,094	—	—	1,685,406	—	—	74,899	23
—	—	—	—	—	—	—	2,443,765	24
—	—	—	—	—	—	—	—	25
—	—	—	—	—	—	—	—	26
1,429,807	—	143,164	373	19,881	—	—	1,783,081	27
1,506,532	—	50,107	7,446	105,771	—	—	2,233,500	28
757,025	18,113	33,540	24,380	—	—	—	971,903	29
4,401,780	403,699	789,000	614,522	—	—	—	7,774,815	30
1,161	—	—	—	—	—	—	3,544	31
246,108	—	—	—	—	—	—	606,394	32
12,454	—	—	—	—	—	—	25,032	33
149,711	—	—	—	—	—	—	280,612	34
—	—	—	—	—	—	—	—	35
—	—	—	—	—	—	—	—	36
—	—	122,590	—	—	—	—	122,590	37
—	—	1,708,807	—	—	—	—	1,708,807	38
N.A.	—	—	—	N.A.	—	—	423,788	39
183,460	—	—	—	2,099,770	—	—	3,851,183	40
—	—	—	—	—	—	—	30,805	41
—	—	—	—	—	—	—	1,238,103	42
13,228,101	1,635,634	2,547,914	621,968	4,172,039	—	—	125,047,050	43
—	—	2,083,465	7,194,757	1,644,250	—	8,442	17,579,002	44
—	—	4,004,308	39,908,362	9,909,720	—	139,345	111,026,149	45
8,302,190	—	1,007,491	79,149,895	—	24,847	—	88,686,465	46
3,320,876	—	100,749	5,936,242	—	9,698	—	9,517,638	47
32	—	—	—	—	—	—	32	48
320	—	—	—	—	—	—	—	320
191,814	104,826	1,696,505	58,915,723	—	314,217	—	61,237,322	50
641,037	229,299	2,256,352	139,512,432	—	379,160	—	143,038,212	51
3,962,233	229,299	6,361,409	185,357,036	9,909,720	388,856	139,345	263,582,319	52
11,975,200	575,088	711,778	1,964,618	1,183,195	—	—	24,961,528	53
5,577,025	1,612,795	—	1,886,544	1,441,710	—	—	18,520,538	54
14,142,060	4,636,604	—	4,765,686	3,603,273	—	—	48,059,470	55
622,279	46,973	—	30,006	47,733	—	—	1,175,786	56
6,921,062	750,009	—	415,348	1,084,293	—	—	13,613,221	57
43,423,737	3,763,418	3,544,602	5,066,403	8,137,176	—	—	102,895,545	58
23,240,203	1,253,642	1,657,919	3,590,687	4,830,833	—	—	51,339,043	59
8,217,411	240,815	—	22,773	1,437,175	—	—	18,726,196	60
10,303,173	687,778	—	92,499	2,365,834	—	—	30,835,356	61
66,581,698	7,903,121	2,369,697	10,828,838	13,067,428	—	—	168,808,618	62
444,669,412	23,105,045	49,506,094	196,811,654	170,071,244	8,944,835	11,386,431	1,285,342,353	63
444,667,203	30,045,992	51,032,953	168,144,211	176,278,832	8,288,747	9,793,170	1,243,483,595	64

MINERAL STATISTICS

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

Year	Metallics	Fuels	Other non-metallics	Structural materials and clay products	Total	Value per capita
	\$	\$	\$	\$	\$	\$
1886	2,118,608	4,367,444	1,259,827	2,225,376	10,221,255	2.23
1887	2,073,746	5,030,853	1,209,153	2,707,579	11,321,331	2.23
1888	2,628,292	5,522,016	1,320,585	2,798,001	12,518,894	2.67
1889	3,251,299	5,702,930	1,562,010	3,247,674	14,013,913	2.96
1890	3,614,488	6,745,279	2,392,315	3,761,271	16,763,353	3.50
1891	5,421,659	8,205,228	2,025,195	3,074,534	18,976,616	3.92
1892	3,698,697	7,658,444	1,417,821	3,603,455	16,628,417	3.39
1893	4,630,195	8,771,358	1,249,283	5,133,946	20,035,082	4.04
1894	4,685,852	8,727,095	1,263,803	5,004,408	19,931,158	3.98
1895	6,087,114	8,248,923	1,193,512	4,726,368	20,505,917	4.05
1896	8,030,633	8,658,410	1,207,671	4,327,542	22,474,256	4.38
1897	13,780,314	8,641,016	1,425,093	4,388,550	28,485,023	5.49
1898	21,741,865	9,608,158	1,492,262	5,270,146	38,412,431	7.32
1899	29,282,823	11,872,788	1,610,111	6,168,283	49,234,005	9.27
1900	40,521,807	15,311,479	1,914,690	6,372,901	64,420,877	12.04
1901	41,939,500	14,047,654	2,713,621	6,803,836	65,804,611	12.16
1902	35,924,651	16,359,722	2,730,425	7,896,836	63,211,634	11.36
1903	33,210,147	17,197,317	2,589,302	8,443,747	61,740,513	10.83
1904	30,924,897	17,858,902	2,807,995	8,182,103	60,073,897	10.27
1905	36,946,212	18,756,112	3,468,408	9,608,267	69,078,999	11.49
1906	41,949,563	21,081,724	4,424,882	11,530,528	79,286,697	12.81
1907	42,426,607	26,254,162	5,021,384	12,863,049	86,865,202	13.75
1908	41,774,362	26,954,515	5,188,269	11,339,955	85,557,101	13.16
1909	44,156,841	26,548,109	4,593,142	16,533,349	91,831,441	13.70
1910	49,438,873	32,647,404	5,109,754	19,627,592	106,823,623	14.93
1911	46,105,423	28,746,214	5,659,746	22,709,611	103,220,994	14.32
1912	61,172,753	38,729,694	6,750,980	28,794,869	135,048,296	18.33
1913	66,361,351	41,060,860	7,402,849	30,809,752	145,634,812	19.35
1914	59,386,619	37,302,122	6,165,107	26,009,227	128,863,075	16.75
1915	75,814,841	36,118,839	7,254,732	17,920,759	137,109,171	17.44
1916	106,319,365	43,169,294	10,245,689	17,467,185	177,201,534	22.05
1917	106,455,147	48,787,368	14,566,995	19,837,311	189,646,821	23.18
1918	114,549,152	60,428,979	17,192,967	19,130,799	211,301,897	25.37
1919	73,262,793	59,325,710	16,676,377	27,421,510	176,686,390	20.84
1920	77,939,630	85,767,250	22,260,697	41,892,088	227,859,665	26.40
1921	49,343,232	77,694,017	10,148,665	34,737,428	171,923,342	19.56
1922	61,785,707	71,990,674	10,986,120	39,534,741	184,297,242	20.55
1923	83,764,403	78,465,622	14,097,925	37,751,381	214,079,331	23.41
1924	102,058,235	59,770,024	12,374,278	35,380,869	209,583,406	22.71
1925	116,951,996	57,354,055	14,628,048	37,649,234	226,583,333	24.19
1926	115,090,770	68,743,933	16,643,022	39,959,398	240,437,123	25.61
1927	113,349,051	71,426,516	17,771,709	44,809,419	247,356,695	25.67
1928	131,819,402	74,413,160	19,019,744	49,737,181	274,989,487	27.96
1929	154,282,736	76,787,397	21,245,279	58,534,834	310,850,246	31.00
1930	142,614,237	68,184,485	15,347,391	53,727,465	279,873,578	27.42
1931	120,794,977	54,453,143	11,028,311	44,158,295	230,434,726	22.21
1932	111,943,049	49,047,342	7,839,551	22,398,283	191,228,225	18.20
1933	146,959,059	47,778,436	10,061,071	16,696,687	221,495,253	20.74
1934	194,054,556	54,262,099	10,558,174	19,286,761	278,161,590	25.67
1935	221,725,523	54,824,200	12,579,334	23,215,400	312,344,457	28.56
1936	259,382,703	59,983,320	16,782,608	25,770,741	361,919,372	32.82
1937	334,124,211	65,828,879	22,536,303	34,869,699	457,359,092	41.13
1938	323,018,616	64,803,294	20,122,661	33,878,666	441,823,237	39.42
1939	343,453,866	70,671,328	25,114,106	35,362,759	474,602,059	41.94
1940	382,440,214	78,837,874	26,074,296	42,472,651	529,825,035	46.39
1941	395,193,386	85,141,997	34,532,635	45,373,272	560,241,290	49.06
1942	391,540,411	92,169,291	37,329,163	45,729,807	566,768,672	48.63
1943	356,558,751	92,514,384	38,967,577	42,010,254	530,053,966	44.87
1944	308,111,295	97,291,007	37,431,875	42,984,937	485,819,114	40.57
1945	316,962,810	93,531,276	39,841,422	48,419,673	498,755,181	41.15
1946	290,386,425	102,516,888	43,792,717	66,120,221	502,816,251	40.86
1947	395,069,530	110,481,207	54,742,453	84,576,785	644,869,975	51.25
1948	488,151,055	159,736,260	67,234,304	105,127,246	820,248,865	63.67
1949	538,967,258	183,654,473	64,585,216	113,903,079	901,110,026	66.51
1950	617,238,340	201,193,957	94,721,564	132,296,212	1,045,450,073	74.68
1951	745,588,728	232,854,093	115,706,983	151,333,791	1,245,483,595	88.90
1952	727,904,366	263,582,319	125,047,050	168,808,618	1,285,342,353	89.07

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.

GENERAL REVIEW OF THE MINING INDUSTRY

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

Year	Index	Year	Index	Year	Index
1920	37.6	1931	59.2	1942	129.5
1921	31.6	1932	50.4	1943	116.1
1922	38.1	1933	60.7	1944	104.1
1923	42.2	1934	73.6	1945	100.9
1924	43.4	1935	79.5	1946	97.1
1925	47.5	1936	89.2	1947	106.2
1926	54.9	1937	103.8	1948	122.2
1927	56.7	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

TABLE 5. Value of Mineral Production, by Provinces, Since 1940

Year	Newfoundland	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba
	\$	\$	\$	\$	\$	\$
1940	—	33,318,587	3,435,916	86,313,491	261,483,349	17,828,522
1941	—	32,569,867	3,690,375	99,651,044	267,435,727	16,689,867
1942	—	32,783,165	3,690,158	104,300,010	259,114,946	14,345,046
1943	—	29,979,837	3,676,834	101,610,678	232,948,959	13,412,266
1944	—	33,981,977	4,133,902	90,182,553	210,706,307	13,830,406
1945	—	32,220,659	4,182,100	91,518,120	216,541,856	14,429,423
1946	—	35,350,271	4,813,166	92,785,148	191,544,429	16,403,549
1947	—	34,255,560	5,812,943	115,151,635	249,797,671	18,236,763
1948	—	56,400,245	7,003,285	152,038,867	294,239,673	26,081,349
1949	27,583,615	56,092,830	7,134,009	165,021,513	323,368,644	23,839,638
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
	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	
	\$	\$	\$	\$	\$	\$
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	1,239,056	
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	138,838,205	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	

1. Values of pitchblende products not included since 1941.

TABLE 6. Mineral Production of Newfoundland, 1950-1952

Product	1950		1951		1952	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Metallics:						
Copper.....	lb.	6,442,825	1,508,910	5,798,674	1,606,233	5,918,288
Gold.....	troy oz.	9,254	352,115	8,515	313,778	8,595
Iron ore.....	short tons	1,169,545	5,851,488	1,724,991	9,145,960	1,653,878
Lead.....	lb.	35,836,124	5,178,320	32,888,189	6,051,427	36,118,414
Silver.....	troy oz.	575,524	465,138	534,519	505,388	638,524
Zinc.....	lb.	61,077,614	9,558,647	56,938,689	11,330,799	61,033,650
Non-metallics:						
Fluorspar.....	tons	55,595	1,290,361	67,925	1,966,477	81,283
Gypsum.....	tons	—	—	—	—	8,660
Structural materials:						
Cement.....	bbl.	—	—	—	—	126,100
Clay products.....	—	—	31,089	—	32,183	—
Lime.....	tons	396	20,436	436	17,533	436
Sand and gravel.....	tons	1,619,389	780,315	1,483,951	648,346	1,654,471
Stone.....	tons	469,651	787,228	466,440	792,319	475,704
Total	—	—	25,824,047	—	32,410,443	—
						32,512,313

TABLE 7. Mineral Production of Nova Scotia, 1950-1952

Product	1950		1951		1952	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Copper	lb.	—	—	—	766,165	218,663
Gold	troy oz.	65	2,473	17	626	1,432
Lead	lb.	—	—	—	1,558,645	252,021
Silver	troy oz.	2	2	1	1	91,886
Zinc	lb.	—	—	—	8,616,141	1,539,298
Non-metallics:						
Barite	tons	75,737	733,094	96,665	1,115,693	135,154
Coal	"	6,478,405	50,256,367	6,307,629	49,113,932	5,905,265
Diatomite	"	45	1,557	84	2,925	16
Gypsum	"	3,185,199	3,802,786	3,190,030	4,107,822	2,969,312
Peat moss	"	14	677	578	17,556	970
Salt	"	101,930	1,080,154	127,252	1,631,904	138,845
Silica brick	M	1,911	234,441	2,293	260,398	2,383
Structural materials:						
Clay products	—	—	1,126,969	—	1,202,428	—
Sand and gravel	tons	1,600,932	1,488,593	1,756,641	1,527,052	1,574,539
Stone	"	254,797	755,060	270,181	746,919	340,398
Total	—	—	59,482,173	—	59,727,256	—
						64,552,383

TABLE 8. Mineral Production of New Brunswick, 1950-1952

Product	1950		1951		1952	
	Quantity	Value	Quantity	Value	Quantity	Value
Non-metallics:		\$		\$		\$
Coal	tons	607,116	4,371,076	653,439	4,822,869	742,823
Grindstones	"	100	10,000	60	6,000	42
Gypsum	"	82,641	371,885	109,469	328,407	110,183
Natural gas	M cu.ft.	361,877	214,665	261,579	194,312	202,042
Petroleum	bbl.	17,137	23,992	15,551	21,771	14,237
Peat moss	tons	5,535	168,321	4,587	161,934	2,400
Structural materials:						
Cement	bbl.	—	—	—	—	604,123
Clay products	—	—	681,139	—	740,861	—
Lime	tons	23,694	387,431	20,954	369,681	19,837
Sand and gravel	"	4,789,585	2,997,779	2,966,210	2,229,258	3,670,289
Stone	"	3,060,942	3,530,687	879,504	689,524	160,944
Total	—	—	12,756,975	—	9,564,617	—
						11,298,960

TABLE 9. Mineral Production of Quebec¹, 1950-1952

Product	1950		1951		1952	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Metallics:						
Bismuth	lb.	29,005	65,261	23,827	56,232	20,127
Chromite						
Copper	lb.	145,781,371	34,141,997	137,731,906	38,151,738	137,691,702
Gold	Troy oz.	1,094,645	41,651,242	1,067,306	39,330,226	1,113,204
Iron ingots	tons	1,697	138,284	15,554	777,142	32,422
Lead	lb.	15,352,770	2,218,475	15,512,623	2,854,323	21,039,859
Magnesium	"	—	—	2	2	2
Molybdenite concentrates	"	103,550	60,059	381,596	228,958	505,964
Selenium	"	46,245	111,913	165,575	536,463	78,830
Silver	Troy oz.	4,343,379	3,510,319	4,154,290	3,927,881	4,536,247
Tellurium		—	—	—	—	—
Titanium ore	tons	1,253	7,706	1,674	9,790	51
Zinc	lb.	171,638,818	28,861,397	172,725,823	34,372,439	189,797,061
Non-metallics:						
Arsenic (As_2O_3)	lb.	546,534	35,809	636,896	35,029	119,970
Asbestos	tons	864,826	64,361,529	949,610	77,627,863	906,223
Feldspar	"	29,788	378,782	28,000	425,370	16,645
Iron oxides (ochre)	"	13,696	262,632	13,342	262,277	11,487
Magnesitic dolomite and brucite	"	—	1,717,879	—	2,437,773	—
Mica	tons	1,132	90,213	1,665	125,753	585
Natural mineral waters	Imp. gal.	316,654	158,457	322,800	146,521	309,125
Peat moss	tons	17,873	360,459	21,657	436,833	19,609
Peat fuel	"	—	—	20	800	—
Phosphate	"	23	357	—	—	—
Quartz	"	182,727	498,852	220,698	579,633	189,856
Soapstone and talc	"	17,209	181,263	11,148	123,084	12,578
Sulphur	"	144,675	627,594	161,489	895,253	N.A.
Titanium dioxide	"	1,596	149,565	14,123	738,577	30,805
Structural materials:						
Cement	bbl.	6,920,413	14,523,855	7,055,164	16,633,164	7,272,241
Clay products	—	—	6,324,387	—	6,776,430	—
Lime	tons	393,905	3,823,901	460,842	4,612,387	408,522
Sand and gravel	"	20,313,415	7,172,632	31,297,949	10,616,701	32,060,910
Stone	"	6,726,729	10,741,698	7,177,263	12,811,218	7,830,976
Total	—	220,176,517	—	—	—	270,483,962

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, 1950-1952

Product	1950		1951		1952	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Metallics:						
Beryllium ore	tons	29	7,882	—	—	—
Bismuth	lb.	—	—	15,000	35,400	—
Calcium	"	—	1	—	1	—
Cobalt ²	"	583,806	964,003	951,607	1,999,612	1,421,923
Copper	"	234,420,544	54,411,033	257,616,806	70,861,789	250,685,175
Gold	Troy oz.	2,481,110	94,406,236	2,482,979	90,760,776	2,513,691
Iron ore	short tons	2,435,716	17,562,059	2,841,984	21,205,152	2,717,490
Lead	lb.	—	—	—	—	1,803,455
Magnesium	lb.	—	1,545,011	—	3,618,219	—
Nickel	"	247,317,867	112,104,685	275,806,272	151,269,994	281,117,072
Palladium, rhodium, etc.	Troy oz.	148,730	7,576,528	164,905	7,950,107	157,407
Platinum	"	124,453	10,246,215	153,461	14,540,430	122,315
Selenium	lb.	63,709	154,176	82,409	267,005	81,578
Silver	Troy oz.	4,408,620	3,563,047	4,520,094	4,273,749	6,491,124
Tellurium	lb.	6,010	11,419	6,301	11,594	5,710
Tungsten concentrates	lb.	—	—	—	—	50,734
Zinc	lb.	—	—	—	—	744,920

1. Included with magnesium.
 2. Exclusive of metal in ore placed on government stock pile at Deloro, Ontario, but includes any metal reshipped from stock pile.

MINERAL STATISTICS

TABLE 10. Mineral Production of Ontario, 1950-1952 - Concluded

Product	1950		1951		1952	
	Quantity	Value	Quantity	Value	Quantity	Value
Non-metallics:		\$		\$		\$
Arsenic (As_2O_3).....	lb. tons	247,557 10,518	16,220 1,493,039	1,716,466 ³ 26,588	94,406 3,956,482	1,588,381 23,096
Asbestos.....	"	5,760	49,619	12,749	125,727	3,622
Feldspar.....	"	8,618	262,643	6,286	233,398	904
Fluorspar.....	"	3	240	—	—	—
Garnet (schist).....	"	3,586	390,815	1,569	231,167	2,040
Graphite.....	"	199,314	875,217	262,581	672,276	278,992
Gypsum.....	"	581	156,865	512	314,435	531,360
Mica.....						111,561
Natural mineral waters.....	Imp. gal.	2,175	440	2,500	450	2,370
Natural gas.....	M cu. ft.	8,009,488	3,203,795	8,442,842	3,377,137	8,302,190
Nepheline syenite.....	tons	65,638	842,886	81,108	1,114,943	82,681
Peat (fuel).....	"	58	580	30	300	32
Peat (moss).....	"	5,613	206,625	1,804	72,557	1,939
Petroleum.....	bbl.	250,655	892,000	197,171	677,905	191,814
Phosphate.....	tons	106	712	6	94	—
Quartz ¹	"	1,386,833	1,027,791	1,545,137	1,497,811	1,429,807
Salt.....	"	696,582	4,639,867	772,585	4,789,990	757,025
Silica brick.....	M	1,215	174,372	1,217	204,831	1,161
Sulphur ²	tons	13,154	131,540	15,605	156,050	N/A
Talc.....	"	15,263	182,048	13,698	160,540	12,454
Structural materials:						
Cement.....	bbl.	5,313,521	10,953,896	5,438,101	12,494,677	5,577,025
Clay products.....	—	—	9,323,263	—	10,484,341	—
Lime.....	tons	571,490	6,030,228	619,769	6,921,916	622,279
Sand and gravel.....	"	30,271,214	15,551,406	39,218,058	19,905,293	43,423,737
Stone.....	"	5,716,059	7,843,124	8,080,087	10,396,650	8,217,411
Total.....		—	366,801,525	—	444,667,203	—
						444,669,412

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, 1950-1952

Product	1950		1951		1952	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Cadmium.....	lb. "	69,954	162,293	47,333	126,852	25,229
Copper.....	41,634,697	9,750,846	31,677,863	8,774,768	18,748,439	5,350,804
Gold.....	Troy oz. "	191,725	7,295,136	163,914	6,040,231	141,947
Selenium.....	lb. "	40,543	98,114	25,955	84,094	15,852
Silver.....	Troy oz. "	893,099	721,803	613,141	579,725	412,149
Tellurium.....	lb. "	1,084	2,060	505	929	63
Zinc.....	42,905,613	6,714,728	30,221,016	6,013,982	30,185,026	5,270,306
Non-metallics:						
Gypsum.....	tons	114,555	1,037,510	134,704	509,276	130,934
Peat moss.....	"	595	22,569	1,236	44,098	3,042
Petroleum, crude.....	bbl. tons	—	—	10,698	26,478	104,826
Salt.....	"	16,592	378,297	16,778	358,391	18,113
Structural materials:						
Cement.....	bbl.	1,642,312	3,963,464	1,539,612	4,108,752	1,612,795
Clay products.....	—	—	690,730	—	673,698	—
Lime.....	tons	49,281	673,070	53,024	778,490	46,973
Sand and gravel.....	"	2,720,951	721,494	2,832,110	929,989	3,763,418
Stone.....	"	239,859	439,059	383,134	996,239	240,815
Total.....		—	32,691,173	—	30,045,992	—
						25,105,045

TABLE 12. Mineral Production of Saskatchewan, 1950-1952

Product	1950		1951		1952	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Metallics:						
Cadmium	lb.	71,502	165,885	99,835	267,558	89,123
Copper	"	57,963,500	13,575,052	63,250,444	17,520,373	60,687,296
Gold	Troy oz.	79,784	3,035,781	110,216	4,061,460	93,585
Selenium	lb.	111,476	269,772	108,664	352,071	65,770
Silver	Troy oz.	1,207,796	976,141	1,454,341	1,375,079	1,179,514
Tellurium	lb.	2,981	5,664	2,107	3,877	262
Zinc	"	54,981,653	8,604,629	79,148,484	15,750,548	93,381,238
Non-metallics:						
Coal	tons	2,203,223	4,044,697	2,223,318	4,361,677	2,083,465
Natural gas	M cu. ft.	813,554	71,564	860,082	86,008	1,007,491
Petroleum, crude	bbl.	1,041,098	1,134,797	1,249,281	1,659,045	1,696,505
Quartz ¹	"	141,265	88,997	120,769	67,631	143,164
Salt	"	18,186	373,701	28,192	653,130	33,540
Sodium sulphate	"	130,730	1,615,867	192,371	2,383,770	122,590
Structural materials:						
Clay products	—	—	581,506	—	616,655	—
Sand and gravel	tons	2,104,797	1,439,870	2,951,813	1,874,071	3,544,602
Total	—	—	35,983,923	—	51,032,953	—
						49,506,094

1. Low-grade silica sand for fluxing purposes.

TABLE 13. Mineral Production of Alberta, 1950-1952

Product	1950		1951		1952	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Metallics:						
Gold	fine oz.	152	5,784	97	3,574	111
Silver	"	14	11	9	8	10
Non-metallics:						
Bituminous sands	tons	—	1	—	1	1
Coal	"	8,116,220	41,687,211	7,659,329	40,981,581	7,194,757
Natural gas	M cu. ft.	58,603,976	2,930,199	69,876,831	3,493,842	79,149,895
Petroleum.....	bbl.	27,548,169	82,216,492	45,915,384	113,870,152	58,915,723
Quartz ²	tons	300	2,700	—	—	373
Salt	"	25,606	539,287	19,718	472,562	24,380
Structural materials:						
Cement	bbl.	1,589,713	3,364,613	1,649,909	3,898,043	1,886,544
Clay products	—	—	1,950,309	—	1,787,731	—
Lime	tons	33,564	435,342	30,670	395,452	30,006
Sand and gravel.....	"	3,866,662	2,572,795	4,289,021	3,194,446	5,066,403
Stone.....	"	12,894	54,197	13,310	46,820	22,773
Total	—	—	135,758,940	—	168,144,211	—
						196,811,634

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

2. Grinding pebbles.

TABLE 14. Mineral Production of British Columbia, 1950-1952

Product	1950		1951		1952	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Antimony	lb.	643,540	215,586	6,702,164	1,436,713	2,330,900
Bismuth	"	162,616	365,886	191,471	451,872	142,246
Cadmium	"	650,540	1,509,253	1,113,300	2,983,644	704,745
Copper	"	42,175,359	9,823,569	43,863,962	12,110,779	41,571,132
Gold	Troy oz.	290,490	11,053,144	289,992	10,686,205	273,059
Indium	"	4,952	12,083	582	1,368	404
Iron ore	tons	—	—	113,535	790,000	900,481
Lead	lb.	267,319,716	38,627,700	255,528,868	47,017,311	258,789,430
Mercury	"	—	—	—	—	—
Palladium, rhodium, etc.	Troy oz.	11	1,616	—	—	—
Platinum	"	118	9,714	22	2,085	2
Silver	"	8,528,107	6,892,416	8,342,414	7,887,752	7,784,964
Tin	lb.	796,403	828,259	346,718	494,073	212,113
Tungsten concentrates	"	284,078	160,343	—	—	1,434,641
Zinc	"	290,344,227	45,438,871	337,511,324	67,164,754	348,575,941
Non-metallics:						
Asbestos	tons	—	—	—	—	20
Arsenic (As_2O_3)	lb.	1	1	1	1	1
Barite	tons	1,440	17,284	1,248	16,224	848
Coal	"	1,730,445	9,740,088	1,739,412	9,698,179	1,644,250
Diatomite	"	4	108	8	223	12
Gypsum	"	84,627	620,108	105,908	263,072	92,702
Iron oxides (ochre)	"	—	—	—	—	—
Mica (schist)	tons	227	5,533	304	7,462	157
Peat moss	"	45,565	1,498,219	46,947	1,700,030	46,939
Quartz	"	19,570	121,928	18,281	113,393	19,881
Sodium carbonate	tons	—	—	—	—	—
Sulphur ²	tons	143,343	1,430,526	194,696	2,069,482	N.A.
Soapstone, talc	"	132	1,324	—	—	2,099,770
Structural materials:						
Cement	bbl.	1,275,867	3,088,296	1,325,026	3,311,439	1,441,710
Clay products	"	—	1,081,496	—	1,213,329	—
Lime	tons	51,858	910,676	55,346	987,061	47,733
Sand and gravel	"	5,808,218	3,709,875	6,177,068	3,702,403	8,137,176
Stone	"	1,606,133	1,724,304	1,406,787	2,170,079	1,437,175
Total		—	138,888,205	—	176,278,932	—
						170,071,244

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

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

TABLE 15. Mineral Production of the Northwest Territories and Yukon, 1950-1952

Product	1950		1951		1952	
	Quantity	Value	Quantity	Value	Quantity	Value
	\$		\$		\$	
Northwest Territories						
Metallics:						
Copper	lb.	—	—	1,934	536	6,900
Gold	Troy oz.	200,663	7,635,227	212,211	7,819,975	247,581
Lead	lb.	—	—	—	—	27,445
Pitchblende products	"	1	1	1	1	1
Silver	Troy oz.	62,111	50,198	64,228	60,728	59,258
Tungsten concentrates	lb.	—	—	—	—	7,736
Non-metallics:						
Natural gas	M cu. ft.	33,335	12,818	19,333	7,621	24,847
Petroleum, crude	bbl.	186,729	352,656	227,449	399,887	314,217
Total	—	8,050,899	—	8,288,747	—	8,944,835
Yukon						
Metallics:						
Cadmium	lb.	56,410	130,871	66,452	178,091	129,490
Gold	Troy oz.	93,339	3,551,549	77,504	2,656,022	78,519
Lead	lb.	12,885,518	1,861,957	12,533,071	2,306,085	18,368,643
Silver	Troy oz.	3,202,779	2,588,486	3,442,788	3,255,156	4,028,551
Tungsten concentrates (WO_3)	lb.	5,507,173	—	2,833	7,098	—
Zinc	"	861,873	5,678,999	1,130,121	11,070,178	1,932,853
Non-metallics:						
Coal	tons	3,703	40,960	3,696	60,597	8,442
Total	—	9,035,696	—	9,793,170	—	11,386,451

1. Data not available for publication.

TABLE 16. Tonnage of Ore Mined and Rock Quarried in the Canadian Mining Industry, 1948-1952

	1948	1949	1950	1951	1952
Gold quartz ores.....	13,630,705	15,999,866	16,984,524	16,548,264	16,496,218
Copper-gold-silver ores.....	6,496,499	8,245,402	8,758,607	7,380,966	7,773,341
Nickel-copper ores.....	11,688,146	10,923,823	10,777,859	12,885,445	14,380,684
Silver-cobalt ores.....	8,905	38,798	69,437	129,077	180,534
Silver-lead-zinc ores.....	3,147,849	3,915,405	4,826,992	6,317,545	6,759,454
Miscellaneous metals (iron ore, etc.).....	1,904,683	4,208,410	4,498,459	5,138,856	6,757,253
Asbestos.....	10,759,016	8,218,045	12,210,780	12,623,529	12,989,320
Feldspar and nepheline syenite.....	139,680	123,785	133,845	232,092	100,663
Quartz, exclusive of sand (shipments).....	1,341,914	1,212,562	952,093	1,259,791	1,274,196
Gypsum and anhydrite.....	3,487,964	3,157,114	3,780,211	3,928,377	3,553,917
Talc and soapstone.....	30,319	28,935	33,685	27,047	25,728
Iron oxides.....	22,935	22,443	20,622	20,505	20,048
Other non-metals.....	754,668	488,549	522,135	671,974	736,550
Stone, all kinds, quarries (exclusive of stone used for cement and lime).....	11,696,643	13,928,039	18,087,064	18,676,706	18,726,196
Stone used for the manufacture of cement.....	3,612,615	4,140,900	4,119,216	4,246,501	4,513,625
Estimated rock for the manufacture of lime.....	1,792,700	1,737,508	1,928,127	2,164,298	2,131,563
Total (other than coal).....	70,515,241	76,638,584	87,703,636	92,250,973	96,419,290

TABLE 17. Yearly Average Prices of Copper, Lead, Zinc and Silver, from 1933
(Copper, lead and zinc in U.S. cents per pound; silver, U.S. cents per ounce)
(From the American Bureau of Metal Statistics)

Year	Copper, New York	Lead, New York	Zinc	Silver, New York	Year	Copper, New York	Lead, New York	Zinc	Silver, New York
	Yearly average	Yearly average	Yearly average	Yearly average ¹		Yearly average	Yearly average	Yearly average	Yearly average ¹
1933.....	7.025	3,869	4.029	34,727	1943.....	11.775	6,500	8,250	44,750
1934.....	8.428	3,860	4.158	47,973	1944.....	11.775	6,500	8,250	44,750
1935.....	8.649	4,065	4.328	64,273	1945.....	11.775	6,500	8,250	51,928
1936.....	9.474	4,710	4,901	45,087	1946.....	13.820	8,109	8,726	80,151
1937.....	13.167	6,009	6,519	44,883	1947.....	20,958	14,673	10,500	71,820
1938.....	10,000	4,739	4,610	43,225	1948.....	22,038	18,043	13,589	74,361
1939.....	10,965	5,053	5,110	39,082	1949.....	19,202	15,364	12,144	71,930
1940.....	11,296	5,179	6,335	34,773	1950.....	21,235	13,296	13,866	74,169
1941.....	11,797	5,793	7,474	34,783	1951.....	24,200	17,500	18,000	89,368
1942.....	11,775	6,481	8,250	38,333	1952.....	24,200	16,467	16,215	84,941

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

TABLE 18. Average Annual Metal Prices, in Canadian Dollars, 1933-1952

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
1933.....	\$ 28.60	\$ 0.378	\$ 0.0745	\$ 0.024	\$ 0.032	1943.....	\$ 38.50	\$ 0.4525	\$ 0.1175	\$ 0.0375	\$ 0.040
1934.....	34.50	0.475	0.0742	0.024	0.030	1944.....	38.50	0.430	0.120	0.045	0.043
1935.....	35.19	0.648	0.0780	0.031	0.031	1945.....	38.50	0.470	0.1255	0.050	0.0644
1936.....	35.03	0.451	0.0948	0.039	0.033	1946.....	36.75	0.8365	0.128	0.0675	0.0781
1937.....	34.99	0.449	0.131	0.051	0.0490	1947.....	35.00	0.72	0.2039	0.1367	0.1123
1938.....	35.17	0.435	0.0997	0.034	0.031	1948.....	35.00	0.75	0.2235	0.1804	0.1393
1939.....	36.14	0.405	0.101 ²	0.032	0.031	1949.....	36.00	0.7425	0.1997	0.158	0.1325
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

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 and 1952.

TABLE 19. Production of Leading Mineral Products, by Months, 1950-1952

No.		Asbestos	Cement	Clay products	Coal	Copper	Gold	Gypsum
		tons	barrels	\$	tons	pounds	ounces	tons
1950								
1	January	57,172	652,920	1,166,388	1,801,536	44,086,877	353,615	157,359
2	February	57,961	790,500	1,079,468	1,775,859	45,286,579	349,291	141,510
3	March	68,356	1,233,425	1,509,122	1,897,084	44,695,769	382,624	137,326
4	April	68,730	1,383,134	1,319,229	1,316,889	44,567,293	369,070	200,839
5	May	71,772	2,136,103	2,045,406	1,460,561	44,756,294	373,124	275,521
6	June	67,781	1,849,368	2,150,876	1,363,135	40,842,159	368,347	357,026
7	July	57,389	1,681,110	2,011,486	1,138,104	42,688,407	367,766	411,757
8	August	71,519	1,614,646	2,068,138	1,066,014	42,717,742	375,924	449,646
9	September	92,215	1,615,506	2,263,482	1,515,163	41,910,478	364,361	438,878
10	October	96,610	1,558,140	2,276,650	1,815,985	44,479,964	376,315	470,778
11	November	89,678	1,435,354	2,169,115	2,061,482	46,868,657	378,294	412,529
12	December	76,161	791,620	1,731,528	1,927,300	45,518,077	382,496	213,167
13	Total	875,344	16,741,826	21,790,888	19,139,112	528,418,296	4,441,227	3,666,336
1951								
14	January	74,125	895,498	1,760,474	1,933,641	45,699,203	376,874	198,272
15	February	71,463	960,037	1,493,489	1,617,761	40,704,890	349,484	183,334
16	March	94,905	1,385,209	1,773,239	1,492,241	48,694,049	374,774	184,077
17	April	86,767	1,542,365	1,791,604	1,393,621	47,825,258	365,806	227,392
18	May	93,241	1,890,568	2,313,439	1,349,115	47,097,815	371,585	270,554
19	June	82,990	1,686,081	2,316,151	1,303,024	45,306,265	364,910	349,224
20	July	71,027	1,599,009	2,279,143	1,084,109	45,074,181	346,690	466,936
21	August	80,398	1,762,223	2,268,734	1,247,491	45,401,149	347,383	492,038
22	September	82,479	1,550,402	2,069,000	1,511,904	43,851,086	361,386	479,746
23	October	82,504	1,657,181	2,370,127	1,877,303	41,944,219	380,827	449,104
24	November	85,623	1,288,048	1,853,982	2,047,535	44,297,878	374,888	313,919
25	December	67,676	791,191	1,238,274	1,729,078	44,245,596	378,144	188,096
26	Total	973,198	17,007,812	23,527,156	18,586,823	539,941,589	4,392,731	3,802,692
1952								
27	January	76,287	857,398	1,395,093	1,980,838	44,863,580	353,573	146,482
28	February	89,036	1,184,013	1,505,150	1,568,384	40,844,987	351,926	161,862
29	March	72,059	1,507,239	1,692,888	1,446,258	44,841,702	364,973	175,006
30	April	81,301	1,584,070	1,542,925	1,278,160	44,105,322	363,375	190,397
31	May	83,358	2,017,682	2,273,633	1,282,386	45,393,242	366,169	292,691
32	June	78,250	1,745,018	2,415,881	1,200,327	41,447,232	359,812	459,038
33	July	69,611	1,877,806	2,433,420	1,182,695	39,801,686	374,037	448,565
34	August	76,659	1,661,071	2,248,694	956,126	42,032,871	371,828	469,775
35	September	85,986	1,673,582	2,590,307	1,457,179	43,211,315	382,177	426,546
36	October	89,405	1,757,796	2,868,156	1,797,434	42,216,445	403,532	384,691
37	November	81,493	1,603,792	2,247,157	1,658,885	42,680,543	388,546	236,019
38	December	65,894	1,051,071	1,948,224	1,770,330	44,636,172	391,779	199,711
39	Total	929,339	18,520,538	24,961,528	17,579,002	516,073,097	4,471,725	3,590,783

TABLE 19. Production of Leading Mineral Products, by Months, 1950-1952

Iron ore	Lead	Lime	Natural gas	Nickel	Petroleum	Salt	Silver	Zinc	No.
tons	pounds	tons	M cu. ft.	pounds	barrels	tons	ounces	pounds	
2,731	18,993,466	79,029	9,361,673	20,467,323	1,925,663	60,405	1,246,954	48,120,097	1
35,868	21,786,670	77,013	6,526,037	19,219,858	1,950,540	62,959	1,446,720	44,821,983	2
34,969	25,992,199	86,004	6,488,696	18,649,637	2,444,178	66,815	1,848,367	50,109,483	3
28,218	20,973,593	85,778	5,262,281	22,467,086	2,045,425	60,488	1,528,373	47,284,204	4
401,014	26,968,565	90,708	4,253,265	22,042,657	1,959,143	70,528	1,631,087	61,469,860	5
500,298	28,948,998	104,574	3,393,721	21,635,959	2,183,201	77,387	2,055,615	53,411,296	6
459,028	33,471,960	96,754	3,562,588	18,757,282	2,614,485	66,811	2,351,147	51,909,058	7
519,527	28,766,599	91,360	3,687,335	15,441,941	2,468,623	67,516	2,314,948	51,697,847	8
597,452	30,583,366	98,213	4,255,164	23,444,806	2,728,948	81,895	2,207,141	58,223,005	9
563,958	37,104,339	106,681	5,782,198	20,708,689	2,979,864	82,198	2,495,308	53,259,434	10
287,102	34,475,479	106,581	7,449,587	23,823,667	3,190,724	84,657	1,959,799	51,829,468	11
175,096	23,328,894	99,493	7,799,685	20,638,962	2,602,930	77,237	1,935,972	54,318,863	12
3,605,261	331,394,128	1,124,188	67,822,230	247,317,867	29,093,724	858,896	23,221,431	626,454,598	13
44,367	32,277,995	98,231	9,035,144	21,985,444	2,942,977	77,583	2,023,846	53,411,889	14
31,305	24,060,231	91,351	7,790,807	19,402,702	2,752,279	74,397	1,630,537	52,395,150	15
36,495	25,325,922	103,820	8,142,685	23,352,783	2,465,597	75,140	1,789,375	54,011,835	16
160,622	20,174,516	104,036	5,976,931	21,205,809	2,424,661	71,579	1,498,505	53,226,546	17
524,327	22,307,213	111,018	5,130,420	25,055,554	4,446,704	80,247	1,882,891	53,721,174	18
662,249	27,690,169	104,174	4,892,893	23,778,056	4,717,187	80,693	2,431,662	56,269,967	19
717,929	22,087,824	103,132	4,373,403	23,656,491	4,898,360	88,683	1,831,554	57,578,261	20
693,530	27,661,563	109,035	4,869,688	24,608,539	5,281,214	83,581	2,038,937	62,655,104	21
596,759	23,856,110	101,044	5,457,208	23,363,012	4,882,591	80,214	1,926,070	58,409,213	22
615,101	30,177,685	115,055	6,974,631	23,516,513	4,829,341	87,196	2,017,221	60,024,296	23
350,176	29,642,748	105,281	7,652,680	23,140,438	4,050,977	91,094	2,019,253	59,923,204	24
257,650	31,200,775	94,864	9,163,977	22,740,931	3,923,646	74,118	2,035,974	60,597,716	25
4,680,510	316,462,751	1,241,041	79,460,667	275,806,272	47,615,534	964,525	23,125,825	682,224,335	26
163,941	30,543,503	100,340	10,201,550	23,624,961	3,979,624	83,076	1,803,848	60,447,513	27
85,817	22,144,324	96,411	8,410,390	21,437,828	3,409,520	80,261	2,022,126	55,709,729	28
68,260	31,045,306	98,715	8,654,030	24,762,825	3,622,015	73,423	2,085,986	58,462,064	29
206,468	29,095,248	99,047	6,866,351	24,635,085	3,918,377	73,433	2,521,864	59,681,832	30
570,257	27,539,240	96,164	6,159,023	24,825,070	5,587,190	77,163	2,274,279	64,218,579	31
646,665	22,344,695	93,700	5,626,924	25,126,029	5,399,466	86,196	1,907,137	64,169,239	32
902,912	22,919,590	93,312	5,427,515	20,852,376	5,833,134	80,306	1,831,089	69,405,290	33
702,914	27,211,110	90,739	5,542,445	23,949,484	5,999,214	82,656	2,214,798	65,168,449	34
681,090	28,976,168	103,099	5,904,985	21,964,946	5,947,922	80,729	1,817,435	60,404,041	35
521,928	33,281,962	105,959	7,102,107	23,545,478	6,145,986	99,089	1,857,118	64,155,203	36
442,037	25,769,461	100,838	8,705,522	22,762,699	5,578,575	81,000	2,421,617	57,504,841	37
278,560	36,813,284	97,462	10,085,623	23,630,291	5,816,299	74,551	2,464,930	64,277,375	38
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	39

MINERAL STATISTICS

TABLE 20. Principal Statistics of the Mineral Industry, by Industries, 1948-1952

Year	Number of active firms	Number of operating mines, oil and gas wells, quarries, gravel pits, etc.	Number of employees	Salaries and wages	Gross value of production f.o.b. shipping points	Cost of process supplies, purchased electricity and fuel, also freight and smelter charges ¹	Net value of bullion, ore, concentrates, residues and other minerals shipped from the mines, smelters, brick and cement plants and quarries							
(a) Metal Mining Industries														
Alluvial Gold Mines														
1948	47	47	495	1,603,065	2,769,562	483,149	2,286,413							
1949	56	56	398	1,509,423	3,499,823	579,533	2,920,290							
1950	58	58	411	1,598,875	4,144,531	532,348	3,612,183							
1951	47	47	362	1,553,103	3,572,516	621,174	2,951,342							
1952	39	39	361	1,638,672	3,181,730	518,778	2,662,952							
Auriferous Quartz Mines														
1948	280	282	22,566	59,515,678	108,664,082	28,277,570	80,386,512							
1949	246	247	22,358	61,293,334	129,550,481	32,970,157	96,580,304							
1950	280	281	22,491	64,533,114	144,044,607	35,204,245	108,840,362							
1951	203	211	22,126	68,739,531	136,703,452	36,643,949	100,059,503							
1952	214	216	20,757	69,004,828	134,996,056	34,912,550	100,083,506							
Copper-Gold-Silver Mines														
1948	35	37	6,401	17,919,526	107,831,148	22,178,942	85,652,206							
1949	30	33	7,395	21,776,150	105,994,498	31,402,838	74,591,660							
1950	55	56	7,554	23,489,366	121,853,818	38,671,894	83,181,924							
1951	80	82	6,223	21,545,660	123,162,228	30,830,233	92,331,995							
1952	88	98	7,210	26,711,225	115,667,391	34,998,574	80,668,817							
Silver-Cobalt Mines														
1948	17	17	172	413,095	499,068	177,653	321,415							
1949	18	18	264	607,782	.822,881	319,309	503,572							
1950	20	20	364	883,281	2,940,146	631,933	2,308,213							
1951	20	22	514	1,406,783	4,539,842	899,494	3,640,348							
1952	19	19	696	2,161,894	4,770,635	1,213,660	3,556,975							
Silver-Lead-Zinc Mines														
1948	77	84	4,040	11,421,086	108,917,205	22,923,228	85,993,977							
1949	101	111	5,438	15,676,043	100,349,929	33,241,764	67,108,165							
1950	112	112	5,939	17,632,755	12,718,491	36,872,621	85,845,870							
1951	144	168	9,324	30,380,359	185,692,981	53,783,766	131,909,215							
1952	171	177	10,331	37,643,614	165,126,784	60,189,782	104,937,002							
Nickel-Copper Mines														
1948	11	15	6,920	20,492,920	56,953,020	5,976,740	50,978,280							
1949	7	11	7,053	22,517,855	52,945,060	6,981,288	45,963,772							
1950	5	10	7,713	25,313,838	53,942,530	7,914,476	46,028,054							
1951	5	11	9,831	34,974,971	64,352,735	10,182,069	54,170,666							
1952	17	22	10,820	42,151,955	71,740,630	12,046,000	59,694,630							
Miscellaneous Metal Mines														
1948	25	26	1,296	3,878,527	8,725,661	4,100,667	4,624,994							
1949	21	21	3,275	8,894,642	21,466,327	5,776,330	15,689,997							
1950	16	16	3,225	8,578,969	23,646,960	8,538,649	15,108,311							
1951	31	31	3,891	12,251,755	31,474,736	9,708,893	21,765,843							
1952	46	47	5,163	18,370,772	39,643,078	14,119,614	25,523,464							
Total Metal Mining														
1948	492	508	41,890	114,743,897	394,359,746	84,117,949	310,241,597							
1949	479	497	46,181	132,275,227	414,628,979	111,271,219	303,357,760							
1950	546	553	47,697	142,030,198	473,291,083	128,366,166	344,924,917							
1951	530	572	52,271	170,852,662	549,498,490	142,669,378	406,828,912							
1952	594	618	55,338	197,682,960	535,126,304	157,998,958	377,127,346							

1. See footnote at end of table.

Note. The number of producing metal mines was as follows: in 1948—248; in 1949—265; in 1950—254; in 1951—245; in 1952—242.

TABLE 20. Principal Statistics of the Mineral Industry, by Industries, 1948-1952 - Continued

Year	Number of active firms	Number of operating mines, oil and gas wells, quarries, gravel pits, etc.	Number of employees	Salaries and wages	Gross value of production f.o.b. shipping points	Cost of process supplies, purchased electricity and fuel, also freight and smelter charges ¹	Net value of bullion, ore, concentrates, residues and other minerals shipped from the mines, smelters, brick and cement plants and quarries
				\$	\$	\$	\$
(a) Metal Mining Industries - Concluded							
Smelting and Refining							
1948	9	17	19,701	52,276,836	576,383,967	429,553,076	146,830,891
1949	10	16	19,150	55,133,065	599,188,135	417,280,288	181,907,847
1950	10	17	19,863	58,748,362	669,882,806	467,171,025	202,711,781
1951	10	17	22,814	75,474,505	861,315,930	598,343,141	262,972,789
1952	10	18	24,608	87,964,295	837,074,065	570,352,683	266,721,382
Total Metals							
1948	501	525	61,591	167,520,734	See note at end of table	513,671,025	457,072,688
1949	489	513	65,331	187,408,294		528,531,507	485,265,607
1950	556	570	67,560	200,778,560		596,537,191	547,036,698
1951	540	589	75,085	246,327,167		741,012,719	669,801,701
1952	604	636	79,946	285,647,235		728,331,641	643,848,728
(b) Fuels Industries							
Coal							
1948	311	351	24,319	58,503,607	101,850,466	16,226,321	85,624,145
1949	296	328	24,230	61,204,632	110,915,121	15,496,981	95,418,140
1950	297	363	23,418	60,938,980	110,140,399	14,464,916	95,675,483
1951	268	315	22,647	63,127,966	109,038,835	16,547,467	92,491,368
1952	223	271	21,754	66,028,224	111,026,149	18,959,228	92,066,921
Natural Gas							
1948	175	3,833	1,831	2,918,941	14,689,737	67,065	14,622,672
1949	184	3,927	2,223	4,713,268	17,502,512	63,512	17,519,000
1950	196	3,991	2,618	5,703,524	6,444,215	186,180	6,258,035
1951	201	3,985	2,658	6,491,234	6,691,223	174,884	6,516,339
1952	191	4,132	2,573	7,296,092	5,854,051	336,666	5,517,385
Petroleum							
1948	246	2,581	1,641	4,391,929	37,388,975	2,052,808	35,336,167
1949	273	3,166	2,142	6,304,601	61,091,128	985,707	60,105,421
1950	260	3,849	2,417	7,848,539	84,595,945	1,714,101	82,881,844
1951	288	4,761	3,185	11,518,781	116,365,729	3,210,493	113,155,236
1952	271	5,833	3,702	14,610,821	139,596,851	4,413,948	135,182,903
Total Fuels							
1948	732	6,765	27,791	65,814,477	153,929,178	18,346,194	135,582,984
1949	753	7,421	28,598	72,222,499	180,588,761	16,346,200	173,042,561
1950	753	8,203	28,453	74,491,043	201,180,559	16,365,197	184,815,362
1951	757	9,061	28,490	81,137,981	232,095,787	19,932,844	212,162,943
1952	685	10,236	28,029	87,935,137	256,477,051	23,709,842	232,767,209
(c) Non-Metal Mining Industries							
Asbestos							
1948	11	15	4,950	12,136,615	42,278,721	7,856,902	34,421,819
1949	15	17	4,053	10,569,071	39,784,651	6,168,308	33,616,343
1950	15	19	5,552	15,848,829	65,908,396	10,267,587	55,640,809
1951	21	24	5,923	20,024,208	81,624,009	13,073,794	68,550,215
1952	19	23	6,318	23,625,431	89,295,426	13,137,225	76,158,201
Feldspar, Quartz and Nepheline Syenite							
1948	38	36	562	1,184,257	3,265,065	666,906	2,598,159
1949	31	31	442	946,268	2,650,035	465,253	2,184,782
1950	36	36	476	1,056,129	3,021,555	467,968	2,553,587
1951	33	33	532	1,402,294	3,926,523	741,571	3,184,952
1952	34	34	426	1,251,943	3,704,425	660,344	3,044,081

1. See footnote at end of table.

TABLE 20. Principal Statistics of the Mineral Industry, by Industries, 1948-1952 — Continued

Year	Number of active firms	Number of operating mines, oil and gas wells, quarries, gravel pits, etc.	Number of employees	Salaries and wages	Gross value of production f.o.b. shipping points	Cost of process supplies, purchased electricity and fuel, also freight and smelter charges ¹	Net value of bullion, ore, concentrates, residues and other minerals shipped from the mines, smelters, brick and cement plants and quarries						
							\$						
(c) Non-Metal Mining Industries — Concluded													
Gypsum													
1948	9	14	995	2,272,358	5,642,881	1,871,868	3,771,013						
1949	9	14	925	2,226,703	5,425,045	1,481,874	3,943,171						
1950	8	13	1,004	2,412,698	6,710,564	1,775,427	4,935,137						
1951	8	13	1,018	2,648,803	5,881,546	2,160,584	3,720,962						
1952	9	14	1,061	2,979,091	6,538,074	2,361,683	4,176,391						
Iron Oxides (Ochre)													
1948	7	7	55	84,559	203,391	38,265	165,126						
1949	8	8	44	73,111	207,887	40,406	167,481						
1950	6	6	44	70,404	262,632	37,360	225,272						
1951	5	5	43	87,283	262,277	42,425	219,852						
1952	4	4	45	93,423	194,922	41,867	153,055						
Mica													
1948	34	34	109	118,982	219,948	32,850	187,098						
1949	34	34	98	115,667	108,458	20,516	87,942						
1950	26	26	100	136,727	252,611	47,388	205,223						
1951	31	31	138	182,033	447,650	32,728	414,922						
1952	28	28	115	168,176	194,106	34,814	159,292						
Peat													
1948	41	41	1,032	1,532,977	3,407,825	810,071	2,597,754						
1949	42	43	1,129	1,510,105	2,987,332	700,260	2,287,072						
1950	37	39	1,118	1,530,866	2,868,202	767,110	2,101,092						
1951	33	37	859	1,247,619	3,149,444	831,434	2,318,010						
1952	34	36	1,042	1,601,825	3,257,357	932,940	2,324,417						
Salt													
1948	11	11	673	1,367,353	5,828,467	2,062,682	3,765,785						
1949	11	12	698	1,565,210	6,621,483	1,904,760	4,716,723						
1950	9	13	643	1,521,593	8,100,113	2,180,810	5,919,503						
1951	7	12	689	1,633,222	9,201,265	2,569,376	6,631,889						
1952	7	12	651	1,907,219	9,056,079	3,060,246	5,995,833						
Talc and Soapstone													
1948	5	5	58	102,087	309,823	29,250	280,573						
1949	3	3	59	105,736	320,793	64,252	256,541						
1950	5	6	58	116,547	364,635	66,775	297,860						
1951	3	3	50	109,522	305,338	62,955	242,383						
1952	3	3	54	117,144	303,118	74,194	228,924						
Miscellaneous Non-Metal Mines													
1948	38	40	1,161	2,497,918	6,034,352	1,977,985	4,056,367						
1949	37	37	1,160	2,632,808	6,236,811	1,744,881	4,461,930						
1950	41	42	1,121	2,640,013	6,709,579	1,888,255	4,821,324						
1951	39	39	1,359	3,699,789	8,914,360	2,704,474	6,209,886						
1952	41	42	1,535	4,257,845	9,299,130	2,619,353	6,679,777						
Total Non-Metal Mining Industries													
1948	192	203	9,604	21,297,106	67,190,473	15,346,779	51,843,694						
1949	190	199	8,606	19,744,679	64,342,485	12,620,510	51,721,985						
1950	183	200	10,116	25,335,806	94,198,287	17,498,480	76,699,807						
1951	180	197	10,611	31,034,773	113,712,412	22,219,341	91,493,071						
1952	179	196	11,247	36,002,097	121,842,637	22,922,666	98,919,971						

TABLE 20. Principal Statistics of the Mineral Industry, by Industries, 1948-1952 — Concluded

Year	Number of active firms	Number of operating mines, oil and gas wells, quarries, gravel pits, etc.	Number of employees	Salaries and wages	Gross value of production f.o.b. shipping points	Cost of process supplies, purchased electricity and fuel, also freight and smelter charges ¹	Net value of bullion, ore, concentrates, residues and other minerals shipped from the mines, smelters, brick and cement plants and quarries
				\$	\$	\$	\$
(d) Clay Products and Other Structural Materials							
Clay Products							
1948	107	117	3,746	7,505,765	17,629,048	4,026,603	13,602,445
1949	114	124	3,603	7,924,841	17,981,709	3,904,967	14,076,742
1950	122	134	3,663	8,583,912	21,790,888	4,655,254	17,135,634
1951	118	129	3,737	9,731,657	23,527,656	5,208,555	18,319,101
1952	120	133	3,568	9,812,214	24,961,528	5,116,848	19,844,680
Cement							
1948	3	8	1,723	4,356,086	30,561,717	12,857,198	17,704,519
1949	3	8	1,721	4,754,611	35,065,152	13,987,830	21,077,322
1950	3	8	1,781	5,235,735	38,200,513	15,109,409	23,091,104
1951	4	10	1,931	6,242,900	43,023,845	16,392,344	26,631,501
1952	5	11	2,239	7,849,057	51,029,930	18,365,676	32,664,254
Lime							
1948	37	42	1,121	2,459,299	11,074,871	3,790,233	7,284,638
1949	38	42	1,060	2,485,601	11,796,002	3,572,730	8,223,272
1950	37	43	1,133	2,760,960	12,826,921	4,052,688	8,774,233
1951	38	44	1,096	3,053,802	14,670,197	4,279,967	10,390,230
1952	35	42	1,005	3,145,246	14,219,453	4,435,054	9,784,399
Sand and Gravel							
1948	1,740	6,102	4,197	7,057,193	30,629,596	1,101,024	29,528,572
1949	1,789	6,952	3,863	7,491,081	31,181,541	1,500,164	29,681,377
1950	1,842	7,348	4,120	8,712,440	36,434,759	1,907,445	34,527,314
1951	1,889	7,591	4,060	10,414,559	44,627,559	2,309,809	42,317,750
1952	1,901	8,210	4,185	12,354,505	51,339,043	2,673,245	48,665,798
Stone							
1948	435	554	3,082	5,990,922	17,948,553	2,617,663	15,330,890
1949	451	549	3,728	7,615,572	20,528,073	3,399,603	17,128,470
1950	457	589	3,562	7,548,241	25,895,357	3,614,585	22,280,772
1951	435	536	3,861	9,218,694	28,649,768	4,677,322	23,972,446
1952	419	493	3,897	10,230,640	30,835,356	4,876,076	25,959,280
Total Clay Products and Other Structural Materials							
1948	2,322	6,823	13,869	27,369,265	107,843,785	24,392,721	83,451,064
1949	2,395	7,675	13,975	30,271,706	116,552,477	26,365,294	90,187,183
1950	2,461	8,122	14,259	32,841,288	135,148,438	29,339,381	105,809,057
1951	2,484	8,310	14,685	38,661,612	154,499,025	32,867,997	121,631,028
1952	2,480	8,889	14,894	43,391,662	172,385,310	35,466,899	136,918,411
GRAND TOTAL OF ALL INDUSTRIES							
1948	3,746	14,315	112,855	282,001,582	See note below	571,756,719	727,950,430
1949	3,827	15,808	116,507	309,647,178		584,083,511	800,217,336
1950	3,953	17,095	120,388	333,444,697		658,740,249	914,960,924
1951	3,961	18,157	128,871	397,161,533		816,032,901	1,095,088,743
1952	3,948	19,957	134,116	452,976,151		810,451,048	1,112,454,319

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

Because of the inclusion of figures for the non-ferrous smelting and refining industry there would be considerable duplication in the overall gross value of production. Excluding smelters and refineries the gross value of production for the mineral industries was as follows: in 1948—\$723,323,182; in 1949—\$785,112,712; in 1950—\$903,818,367; in 1951—\$1,049,805,714; in 1952—\$1,085,831,302.

MINERAL STATISTICS

TABLE 21. Principal Statistics of the Mineral Industry, by Provinces, 1948-1952

Year	Number of operating mines, oil and gas wells, quarries, gravel pits, etc.	Number of employees	Salaries and wages	Cost of process supplies, purchased electricity and fuel, also freight and smelter charges ¹	Net value of bullion, ore, concentrates, residues and other minerals shipped from the mines, smelters, brick and cement plants and quarries
					\$
Newfoundland					
1949.....	810	3,807	8,926,150	7,056,847	17,471,590
1950.....	880	3,558	7,763,217	7,784,138	20,162,905
1951.....	769	4,114	10,984,035	8,781,988	25,331,153
1952.....	783	4,585	13,835,288	9,161,361	20,900,527
Nova Scotia					
1948.....	711	13,957	32,491,530	11,482,321	44,069,431
1949.....	664	13,557	32,727,764	9,266,391	47,125,183
1950.....	663	13,364	34,698,277	9,633,894	50,160,271
1951.....	615	13,799	37,388,122	10,963,266	49,170,075
1952.....	621	13,578	40,857,352	13,583,087	51,711,623
New Brunswick					
1948.....	421	1,639	3,039,036	1,128,770	5,959,256
1949.....	399	1,745	3,310,220	1,114,265	6,073,542
1950.....	435	1,804	3,631,388	1,247,322	11,567,032
1951.....	383	1,526	3,283,050	1,530,021	8,086,267
1952.....	379	1,596	4,096,170	2,311,389	9,165,221
Quebec					
1948.....	3,837	27,809	64,395,934	178,689,225	165,762,032
1949.....	3,721	26,471	66,633,847	204,633,051	183,199,468
1950.....	3,935	27,909	74,652,149	249,645,062	237,957,690
1951.....	4,288	30,349	92,213,392	294,306,681	270,477,503
1952.....	4,867	33,010	108,515,942	288,929,962	299,378,307
Ontario					
1948.....	6,274	36,079	95,046,248	196,424,417	228,112,583
1949.....	6,508	36,980	103,684,179	184,481,852	263,605,255
1950.....	6,719	39,549	114,370,430	199,588,152	298,002,994
1951.....	6,832	43,451	138,056,626	246,976,014	365,526,388
1952.....	6,670	44,172	154,267,119	256,779,927	360,214,198
Manitoba					
1948.....	376	2,736	7,156,024	20,299,821	21,861,157
1949.....	170	2,648	7,558,052	17,543,482	19,670,622
1950.....	168	2,776	8,569,746	22,220,350	23,499,082
1951.....	218	2,632	9,091,188	23,795,085	23,181,449
1952.....	274	3,336	12,946,522	17,040,774	16,986,904
Saskatchewan					
1948.....	178	2,881	8,007,116	31,422,833	44,998,172
1949.....	451	3,079	9,404,837	33,732,987	33,809,447
1950.....	524	2,729	8,605,454	25,582,035	29,834,220
1951.....	517	2,930	10,891,010	38,256,009	42,577,100
1952.....	761	2,113	8,024,308	29,835,969	40,505,709

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, 1948-1952 — Concluded

Year	Number of operating mines, oil and gas wells, quarries, gravel pits, etc.	Number of employees	Salaries and wages	Cost of process supplies, purchased electricity and fuel, also freight and smelter charges ¹	Net value of bullion, ore, concentrates, residues and other minerals shipped from the mines, smelters, brick and cement plants and quarries
					\$
Alberta					
1948	1,375	11,951	29,085,041	8,884,543	80,931,360
1949	1,865	12,260	32,180,770	8,925,833	111,162,841
1950	2,626	12,135	32,755,745	8,876,175	127,271,937
1951	3,493	12,198	37,095,311	11,097,643	156,633,663
1952	4,387	12,107	39,677,562	13,366,664	177,256,475
British Columbia					
1948	1,055	14,384	38,033,557	121,198,606	129,984,244
1949	1,136	14,632	40,465,801	114,840,330	108,944,255
1950	1,044	15,076	42,562,240	130,731,298	102,530,283
1951	981	16,273	51,117,166	176,552,011	140,575,198
1952	956	17,820	62,223,703	174,312,254	121,282,853
Northwest Territories					
1948	78	826	2,721,296	1,177,924	3,065,192 ²
1949	76	826	2,694,496	1,208,929	5,582,240 ²
1950	80	884	3,249,770	1,645,321	6,377,212 ²
1951	35	904	3,822,078	1,800,882	6,466,033 ²
1952	37	959	4,106,791	2,092,059	6,736,867 ²
Yukon					
1948	10	593	2,025,800	1,048,259	3,207,003
1949	8	502	2,061,062	1,279,544	3,572,893
1950	22	604	2,586,281	1,786,502	7,597,298
1951	26	695	3,219,555	1,973,301	7,063,914
1952	24	840	4,425,394	3,037,582	8,315,635
Canada					
1948	14,315	112,855	282,001,582	571,756,719	727,950,430
1949	15,808	116,507	309,647,178	584,083,511	800,217,336
1950	17,095	120,388	333,444,697	658,740,249	914,960,924
1951	18,157	128,871	397,161,533	816,032,901	1,095,088,743
1952	19,958	134,116	452,976,151	810,451,048	1,112,454,319

1. Includes fuel and electricity used for metallurgical purposes.

2. Data on pitchblende not included.

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

TABLE 22. Employees, Salaries and Wages, in the Mineral Industry, by Industries, 1952

Industry	Average number of employees					Total number of man- hours worked ¹	Salaries and wages			
	Office and administrative		Workmen		Total ¹		Office and administrative	Workmen	Total	
	Male	Female	Male	Female						
Metal mining:										
Alluvial gold	17	3	333	8	361	1,071,381	98,073	1,540,599	1,638,672	
Auriferous quartz	2,005	198	18,462	92	20,757	48,223,254	10,193,402	58,811,426	69,004,828	
Copper-gold-silver	869	160	6,107	74	7,210	16,152,522	4,365,362	22,345,863	26,711,225	
Silver-cobalt	71	5	613	7	696	1,605,890	242,036	1,919,858	2,161,894	
Silver-lead-zinc	1,220	110	8,884	117	10,331	23,421,755	5,830,281	31,813,333	37,643,614	
Nickel-copper	796	33	9,982	9	10,820	21,306,654	4,556,855	37,595,100	42,151,955	
Miscellaneous metals	530	48	4,539	46	5,163	13,951,913	2,244,224	16,126,548	18,370,772	
Smelting and refining	3,468	598	20,474	68	24,608	55,188,884	16,290,926	71,673,369	87,964,295	
Fuels:										
Coal	1,770	68	19,916	—	21,754	41,611,144	5,899,260	60,128,964	66,028,224	
Natural gas	412	236	1,895	30	2,573	5,807,212	1,960,862	5,335,230	7,296,092	
Petroleum	537	119	3,018	28	3,702	9,574,639	2,520,231	12,090,590	14,610,821	
Non-metallics:										
Asbestos	714	96	5,481	27	6,318	14,012,175	3,570,040	20,055,391	23,625,431	
Feldspar and quartz	44	5	377	—	426	1,014,210	201,777	1,050,166	1,251,943	
Gypsum	46	7	1,006	2	1,061	2,542,287	198,112	2,780,979	2,979,091	
Iron oxides	4	1	40	—	45	82,854	14,489	78,934	93,423	
Mica	1	1	68	45	115	237,064	2,035	166,141	168,176	
Peat	38	13	919	72	1,042	1,550,590	165,704	1,436,121	1,601,825	
Salt	87	27	488	49	651	1,465,210	400,809	1,506,410	1,907,219	
Talc and soapstone	5	1	48	—	54	110,479	22,768	94,376	117,144	
Miscellaneous	177	25	1,327	6	1,535	3,270,305	567,116	3,690,729	4,257,845	
Structural materials:										
Cement	142	17	2,076	4	2,239	5,081,639	625,568	7,223,489	7,849,057	
Clay products	201	41	3,241	85	3,568	8,399,521	845,100	8,967,114	9,812,214	
Lime	72	11	921	1	1,005	2,590,524	364,520	2,780,726	3,145,246	
Sand and gravel	231	67	3,871	16	4,185	12,155,010	1,011,295	11,343,210	12,354,505	
Stone	277	35	3,578	7	3,897	9,350,107	956,036	9,274,604	10,230,640	
Total	13,734	1,925	117,664	793	134,116	299,777,223	63,146,881	389,829,270	452,976,151	

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

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

TABLE 23. Employees, Salaries and Wages, in the Mineral Industry, by Provinces, 1952

Province	Average number of employees					Total number of man- hours worked	Salaries and wages			
	Office and administrative		Workmen		Total		Office and administrative	Workmen	Total	
	Male	Female	Male	Female						
Newfoundland										
406	38	4,112	29	4,585	10,457,384	1,496,794	12,338,494	13,835,288		
Nova Scotia	997	39	12,524	18	13,578	27,968,388	3,264,485	37,592,867	40,857,352	
New Brunswick	77	14	1,475	30	1,596	3,626,366	313,924	3,782,246	4,096,170	
Quebec	3,648	495	26,760	107	33,010	79,762,534	15,731,651	92,784,291	108,515,942	
Ontario	4,131	670	39,147	224	44,172	98,271,128	21,907,551	132,359,568	154,267,119	
Manitoba	406	81	2,812	37	3,336	8,032,928	2,239,187	10,707,335	12,946,522	
Saskatchewan	296	70	1,735	12	2,113	4,881,224	1,426,619	6,597,689	8,024,308	
Alberta	1,271	186	10,570	80	12,107	25,147,276	5,144,442	34,533,120	39,677,562	
British Columbia	2,287	312	14,980	241	17,820	36,827,190	10,439,484	51,784,219	62,223,703	
Northwest Territories	155	13	782	9	959	2,250,346	839,618	3,267,173	4,106,791	
Yukon	60	7	767	6	840	2,552,459	343,126	4,082,268	4,425,394	
Canada	13,734	1,925	117,664	793	134,116	299,777,223	63,146,881	389,829,270	452,976,151	

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TABLE 24. Employees and Salaries and Wages in the Mineral Industry, 1938 - 1952

Year	Newfoundland		Nova Scotia		New Brunswick		Quebec		Ontario		Manitoba	
	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$
1938	—	—	15,591	15,959,095	3,042	2,074,273	20,829	24,485,254	35,791	58,926,900	2,840	4,393,270
1939	—	—	15,202	17,371,518	3,263	2,311,835	20,972	25,689,382	37,233	63,220,042	3,027	4,541,992
1940	—	—	14,934	19,285,662	2,240	1,939,160	21,726	29,025,418	38,774	66,395,845	3,145	5,107,054
1941	—	—	15,246	21,388,809	2,262	2,097,842	23,149	34,008,021	40,486	74,902,555	3,101	5,312,075
1942	—	—	14,394	22,169,053	1,718	1,855,798	27,235	42,901,445	36,866	72,868,161	2,512	4,600,171
1943	—	—	13,852	25,348,097	1,570	1,828,019	31,491	52,859,348	33,516	67,732,244	1,777	3,497,951
1944	—	—	13,538	30,815,335	1,631	2,240,478	27,973	49,498,836	33,194	64,766,975	1,732	3,369,320
1945	—	—	14,091	26,707,708	1,525	2,200,188	22,374	39,674,306	30,634	61,414,603	1,763	3,460,480
1946	—	—	14,560	27,572,966	1,600	2,363,247	22,799	41,793,277	31,244	63,895,634	2,242	4,446,790
1947	—	—	11,716	21,637,321	1,473	2,349,749	24,930	50,729,876	34,727	80,436,924	2,547	5,836,505
1948	—	—	13,957	32,491,530	1,639	3,039,036	27,809	64,395,934	36,079	95,046,248	2,736	7,156,024
1949	3,807	8,926,150	13,557	32,727,764	1,745	3,310,220	26,471	66,633,847	36,980	103,684,179	2,648	7,558,052
1950	3,558	7,763,217	13,364	34,698,277	1,804	3,631,388	27,909	74,652,149	39,549	114,370,430	2,776	8,569,746
1951	4,114	10,984,035	13,799	37,388,122	1,526	3,283,050	30,349	92,213,392	43,451	138,056,626	2,632	9,091,188
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
	Saskatchewan		Alberta		British Columbia		Northwest Territories		Yukon		Canada	
	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$
1938	2,287	2,470,530	10,612	12,811,975	15,179	21,975,143	310	584,619	794	1,962,941	107,275	145,644,000
1939	2,026	2,347,264	10,548	13,097,818	14,587	21,698,690	273	468,996	728	1,605,671	107,759	152,353,208
1940	1,961	2,573,878	10,626	14,535,789	14,420	23,227,719	441	880,414	617	1,518,747	108,886	164,489,686
1941	1,977	3,105,529	11,141	17,065,351	14,801	25,797,418	553	1,174,903	501	1,570,683	113,227	186,423,186
1942	2,450	4,401,181	11,435	19,628,105	14,323	27,166,996	701	1,737,398	398	1,221,952	112,032	198,550,260
1943	3,067	5,737,896	12,316	21,825,643	13,399	25,703,433	800	1,999,661	352	1,043,663	112,140	207,575,955
1944	2,652	5,328,535	11,582	23,389,050	11,871	23,118,465	566	1,798,896	139	482,424	104,878	204,808,314
1945	2,457	5,020,119	11,438	22,867,506	11,450	22,520,369	345	825,572	173	589,075	96,250	185,279,926
1946	2,957	5,672,652	11,476	23,641,650	11,562	25,109,066	510	1,346,718	246	906,691	99,196	196,748,691
1947	2,831	6,856,253	11,365	25,526,877	13,546	31,631,916	836	2,468,094	548	2,085,089	104,519	229,560,604
1948	2,881	8,007,116	11,951	29,085,041	14,384	38,033,557	826	2,721,296	593	2,025,800	112,855	282,001,582
1949	3,079	9,404,837	12,260	32,180,770	14,632	40,465,801	826	2,694,496	502	2,061,062	116,507	309,647,178
1950	2,729	8,605,454	12,135	32,755,745	15,076	42,562,240	884	3,249,770	604	2,586,261	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

TABLE 25. Wage-earners on Surface, Underground and in Mill, 1952

Province	Metal mines			Fuels		Other ¹		
	Surface	Under-ground	Mill ²	Surface	Under-ground	Surface	Under-ground	Mill
Newfoundland	1,244	1,770	59	—	—	674	247	147
Nova Scotia	128	126	20	1,530	9,170	996	—	572
New Brunswick	15	9	—	455	439	297	7	283
Quebec	3,140	5,727	8,958	—	—	5,109	1,282	4,651
Ontario	6,225	15,766	10,393	1,088	—	3,110	223	2,566
Manitoba	851	756	538	10	—	289	21	384
Saskatchewan	284	223	344	470	7	155	—	264
Alberta	—	—	—	5,959	3,990	160	—	541
British Columbia	3,057	3,929	4,721	453	1,284	1,092	14	671
Northwest Territories ³	286	397	88	20	—	—	—	—
Yukon	459	238	64	5	7	—	—	—
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
Canada, 1949	12,648	25,080	20,410	9,156	16,558	11,051	1,080	8,490
Canada, 1948	12,093	21,797	20,658	8,610	17,037	11,430	981	9,321

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

2. Includes non-ferrous smelters and refineries.

3. Exclusive of data on mining of pitchblende ores.

TABLE 26. Administration and Office Employees at Places in Canada, Except at Mine or Plant, 1952

Plant location	Average number of employees			Salaries and wages
	Male	Female	Total	
				\$
Newfoundland	5	6	11	37,814
Nova Scotia	1,278	90	1,368	4,152,920
New Brunswick	40	16	56	239,619
Quebec	286	100	386	1,523,998
Ontario	305	107	412	1,894,140
Manitoba	38	10	48	247,408
Saskatchewan	51	27	78	295,513
Alberta	2,005	719	2,724	11,183,058
British Columbia	208	51	259	1,053,337
Northwest Territories	2	1	3	10,084
Yukon	8	—	8	10,750
Canada	4,226	1,127	5,353	20,648,641

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

TABLE 27. Administration and Office Employees at Places in Canada, Except at Mine or Plant, 1952

Industry	Average number of employees			Salaries and wages
	Male	Female	Total	
				\$
Metal mining	445	134	579	2,588,671
Non-ferrous smelting and refining	3,423	855	4,278	16,067,084
Fuels	91	34	125	542,547
Non-metallic mining	267	104	371	1,450,339
Structural materials and clay products	4,226	1,127	5,353	20,648,641
Total				

TABLE 28. 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	145,529,154	1,991,607	4,417,393	42,606,405	—
Nickel-copper.....	702,005	295,033,874	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	639,459,046	7,327,300
Total	31,591,822	13,155,631,749	38,181,033	69,772,855	808,095,229	16,936,094
Fuels:						
Coal.....	2,001,987	243,186,739	3,403,053	5,405,040	49,500,398	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
Non-metal-mining:						
Asbestos.....	1,334,699	263,677,918	1,758,260	3,092,959	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	4,018,248	320,690,691	2,397,868	6,414,116	22,946,330	93,057
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	14,203,152,292	48,064,951	104,989,194	888,221,105	28,348,347

TABLE 29. 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	4,669,767	20,276,747	2,661,661
British Columbia.....	6,270,444	289,016,037	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	14,203,152,292	48,064,951	104,989,194	889,621,105	28,348,347

TABLE 30. Cost of Prospecting Conducted by Metal Mining Companies, 1948-1952

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								
1948								
Nova Scotia	—	—	—	—	3,069	—	—	3,069
New Brunswick	—	—	—	—	5,057	—	—	5,057
Quebec	—	1,344,497	381,370	—	91,321	13,836	353,865	2,184,889
Ontario	—	721,952	63,083	28,923	30,242	164,595	138,383	1,147,183
Manitoba	—	94,124	231,039	—	20,336	595,669	—	941,168
Saskatchewan	—	3,006	14,374	—	22,653	17,540	—	57,573
British Columbia	—	316,049	18,918	—	237,462	8,805	21,911	603,145
Northwest Territories	—	14,078	2,988	—	27,560	827	—	45,453
Yukon	—	2,676	88,273	—	16,361	—	—	107,310
Canada	N.A.	2,496,382	800,050	28,923	499,004	806,329	514,159	5,094,847
1949								
Newfoundland	—	4,058	—	—	214,081	3,386	—	221,525
Nova Scotia	—	8,693	—	—	2,146	—	—	10,839
New Brunswick	—	5,176	—	—	—	1,552	—	6,728
Quebec	—	1,543,987	261,562	—	147,746	36,663	825,834	2,815,792
Ontario	—	866,402	26,831	27,042	94,824	219,453	183,018	1,417,570
Manitoba	—	55,891	121,595	—	19,295	297,741	—	494,522
Saskatchewan	—	32,912	23,673	—	25,249	18,837	—	100,671
British Columbia	66,304	472,079	42,343	—	400,051	8,697	—	989,474
Northwest Territories	—	204,522	32,090	10,000	48,220	—	4,170	299,002
Yukon	—	17,481	40,921	—	654	—	—	59,056
Canada	66,304	3,211,201	549,015	37,042	952,266	586,329	1,013,022	6,415,179
1950								
Newfoundland	—	460	—	—	104,030	74,942	—	179,432
Nova Scotia	—	1,243	—	—	—	—	—	1,243
New Brunswick	—	899	—	—	904	—	—	1,803
Quebec	—	1,231,390	469,434	800	177,481	3,699	42,997	1,925,801
Ontario	—	887,237	134,308	9,310	14,343	325,260	413,954	1,784,412
Manitoba	—	47,352	85,398	—	1,203	188,877	—	323,336
Saskatchewan	—	6,953	19,303	—	13,898	13,750	—	53,904
Alberta	—	—	—	75,900	—	—	—	75,900
British Columbia	47,929	494,000	84,638	—	158,276	1,123	—	785,966
Northwest Territories	—	79,807	828	—	—	6,726	—	87,361
Yukon	12,621	8,828	7,479	—	105,187	—	—	134,115
Canada	60,550	2,758,669	801,388	86,010	575,322	614,377	456,951	5,353,267
1951								
Newfoundland	—	400	20,304	—	118,826	370,524	37,862	547,916
Nova Scotia	—	50	3,011	—	4,592	—	16,731	24,384
New Brunswick	—	34,673	54,303	—	824	—	—	89,800
Quebec	—	979,304	670,597	28,535	149,491	10,603	449,971	2,288,501
Ontario	—	985,868	194,597	7,584	54,039	2,181,404	761,851	4,185,343
Manitoba	—	30,507	52,494	—	2,587	420,077	141	505,806
Saskatchewan	—	77,500	23,505	—	5,277	14,805	—	121,587
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	—	182,839	1,461,496
Northwest Territories	—	13,140	8,280	—	383,369	1,329,549	9,200	1,743,538
Yukon	—	13,211	28,302	—	495,065	—	—	536,578
Canada	11,805	2,566,981	1,740,207	105,902	2,268,355	5,124,466	1,760,458	13,578,174

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 1952 statistics on the mineral industries since the publication of the separate industry reports in this series. These are as follows:—

Non-Ferrous Smelting and Refining:

Page F-8, Table 18: Last line, last figure, \$7,559,379 should read \$7,559,109.

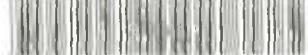
Cement Manufacturing:

Page P-7, Table 11: Heading: "by Counties" should read "by Countries".

Crude Petroleum and Natural Gas:

Page H-17, Table 21: First column "1951" should read "1950". Data for 1951 were inadvertently omitted from this table.

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